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EVERFINE

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Manufacturer: LED line	Luminaire: 246845
Report No:	Voltage(V): 221.3
Test No:	Current(A): 0.72383
LampCAT:	Power (W): 153.200
Lamp flux(lm): 20322.0	PF: 0.9564
Number of Lamps: 1	Ballast type:
Length(mm): 310	Width(mm): 310
Phm Type: C	Height(mm): 0

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Photometric Results

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Lumens(lm): 20325.96  
Efficiency(%): 100.02%  
Lumens(lm)/Power(W): 132.68  
Central intensity(cd): 20197.000  
Maximum intensity(cd): 20470.150  
Angle of maximum intensity: C=270.0  $\gamma$ =7.0  
Beam Angle(50%Imax): [H]Left=22.1 Right=33.6  
[V]Left=27.0 Right=27.3  
Field angle(10%Imax): [H]Left=43.6 Right=55.1  
[V]Left=48.9 Right=49.4  
Maximum s/h: C0\_180=0.85 C90\_270=0.81  
Up flux rate of lamp(%): 0.38%  
Down flux rate of lamp(%): 99.64%  
Up flux rate of LUM(%): 0.38%  
Down flux rate of LUM(%): 99.62%  
CIE Type : Direct lighting  
Output flux ratio in  $\pi$  solid angle : 99.380%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	20197.000	.000	.000	.000%	.000%
1.0	20193.140	19.326	19.326	.095%	.095%
2.0	20180.250	57.948	77.274	.285%	.380%
3.0	20160.670	96.482	173.756	.475%	.855%
4.0	20130.850	134.869	308.624	.664%	1.519%
5.0	20095.160	173.050	481.675	.852%	2.370%
6.0	20049.940	210.973	692.648	1.038%	3.408%
7.0	19986.470	248.505	941.153	1.223%	4.631%
8.0	19910.830	285.537	1226.690	1.405%	6.036%
9.0	19812.710	321.938	1548.628	1.584%	7.620%
10.0	19672.130	357.323	1905.951	1.758%	9.379%
11.0	19504.550	391.455	2297.407	1.926%	11.305%
12.0	19270.650	423.869	2721.275	2.086%	13.391%
13.0	19002.450	454.205	3175.480	2.235%	15.626%
14.0	18677.760	482.303	3657.784	2.373%	17.999%
15.0	18256.030	507.043	4164.827	2.495%	20.494%
16.0	17807.500	528.432	4693.259	2.600%	23.094%
17.0	17302.460	546.756	5240.015	2.690%	25.785%
18.0	16693.190	560.515	5800.530	2.758%	28.543%
19.0	16089.060	570.344	6370.874	2.807%	31.350%
20.0	15390.840	576.170	6947.043	2.835%	34.185%
21.0	14725.400	578.293	7525.336	2.846%	37.031%
22.0	14046.340	578.180	8103.516	2.845%	39.876%
23.0	13302.670	573.856	8677.372	2.824%	42.699%
24.0	12629.930	566.980	9244.352	2.790%	45.489%
25.0	11976.240	559.491	9803.842	2.753%	48.243%
26.0	11295.040	549.321	10353.160	2.703%	50.946%
27.0	10706.890	538.282	10891.450	2.649%	53.594%
28.0	10109.590	527.029	11418.470	2.593%	56.188%
29.0	9604.178	515.768	11934.240	2.538%	58.726%
30.0	9138.212	506.041	12440.280	2.490%	61.216%
31.0	8671.426	495.616	12935.900	2.439%	63.655%
32.0	8276.197	485.529	13421.430	2.389%	66.044%
33.0	7904.912	476.702	13898.130	2.346%	68.390%
34.0	7517.068	466.715	14364.840	2.297%	70.686%
35.0	7167.751	456.056	14820.900	2.244%	72.930%
36.0	6784.411	444.240	15265.140	2.186%	75.116%
37.0	6425.902	430.846	15695.990	2.120%	77.237%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	6059.124	416.733	16112.720	2.051%	79.287%
39.0	5651.249	399.707	16512.430	1.967%	81.254%
40.0	5273.726	381.024	16893.450	1.875%	83.129%
41.0	4896.940	362.173	17255.620	1.782%	84.911%
42.0	4491.869	341.112	17596.730	1.679%	86.590%
43.0	4130.488	319.397	17916.130	1.572%	88.161%
44.0	3751.125	297.474	18213.610	1.464%	89.625%
45.0	3418.958	275.555	18489.160	1.356%	90.981%
46.0	3101.548	255.003	18744.160	1.255%	92.236%
47.0	2769.712	233.515	18977.680	1.149%	93.385%
48.0	2475.359	212.033	19189.710	1.043%	94.428%
49.0	2161.237	190.404	19380.120	.937%	95.365%
50.0	1877.884	168.405	19548.520	.829%	96.194%
51.0	1599.665	147.130	19695.650	.724%	96.918%
52.0	1306.246	124.695	19820.350	.614%	97.532%
53.0	1052.993	102.627	19922.970	.505%	98.037%
54.0	822.139	82.648	20005.620	.407%	98.443%
55.0	603.560	63.641	20069.260	.313%	98.756%
56.0	438.398	47.083	20116.350	.232%	98.988%
57.0	298.043	33.672	20150.020	.166%	99.154%
58.0	203.639	23.200	20173.220	.114%	99.268%
59.0	137.331	15.941	20189.160	.078%	99.346%
60.0	90.180	10.748	20199.910	.053%	99.399%
61.0	63.645	7.341	20207.250	.036%	99.435%
62.0	47.718	5.366	20212.610	.026%	99.462%
63.0	37.744	4.156	20216.770	.020%	99.482%
64.0	32.381	3.441	20220.210	.017%	99.499%
65.0	28.542	3.015	20223.220	.015%	99.514%
66.0	25.821	2.712	20225.940	.013%	99.527%
67.0	23.393	2.475	20228.410	.012%	99.540%
68.0	20.908	2.244	20230.660	.011%	99.551%
69.0	18.792	2.025	20232.680	.010%	99.561%
70.0	16.883	1.832	20234.510	.009%	99.570%
71.0	15.077	1.652	20236.170	.008%	99.578%
72.0	13.671	1.495	20237.660	.007%	99.585%
73.0	12.372	1.362	20239.020	.007%	99.592%
74.0	11.347	1.247	20240.270	.006%	99.598%
75.0	10.432	1.151	20241.420	.006%	99.604%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.511	1.059	20242.480	.005%	99.609%
77.0	8.704	.971	20243.450	.005%	99.614%
78.0	7.914	.890	20244.340	.004%	99.618%
79.0	7.059	.804	20245.140	.004%	99.622%
80.0	6.279	.719	20245.860	.004%	99.625%
81.0	5.443	.634	20246.490	.003%	99.629%
82.0	4.706	.550	20247.040	.003%	99.631%
83.0	4.015	.474	20247.520	.002%	99.634%
84.0	3.331	.400	20247.920	.002%	99.636%
85.0	2.782	.334	20248.250	.002%	99.637%
86.0	2.310	.278	20248.530	.001%	99.639%
87.0	1.884	.230	20248.760	.001%	99.640%
88.0	1.576	.190	20248.950	.001%	99.641%
89.0	1.329	.159	20249.110	.001%	99.641%
90.0	1.185	.138	20249.250	.001%	99.642%
91.0	1.113	.126	20249.380	.001%	99.643%
92.0	1.102	.121	20249.500	.001%	99.643%
93.0	1.134	.123	20249.620	.001%	99.644%
94.0	1.184	.127	20249.750	.001%	99.645%
95.0	1.220	.131	20249.880	.001%	99.645%
96.0	1.230	.134	20250.010	.001%	99.646%
97.0	1.209	.133	20250.140	.001%	99.647%
98.0	1.168	.129	20250.270	.001%	99.647%
99.0	1.123	.124	20250.400	.001%	99.648%
100.0	1.088	.120	20250.520	.001%	99.648%
101.0	1.079	.117	20250.630	.001%	99.649%
102.0	1.096	.117	20250.750	.001%	99.649%
103.0	1.128	.119	20250.870	.001%	99.650%
104.0	1.166	.122	20250.990	.001%	99.651%
105.0	1.209	.126	20251.120	.001%	99.651%
106.0	1.254	.130	20251.250	.001%	99.652%
107.0	1.315	.135	20251.380	.001%	99.653%
108.0	1.415	.143	20251.530	.001%	99.653%
109.0	1.549	.154	20251.680	.001%	99.654%
110.0	1.749	.170	20251.850	.001%	99.655%
111.0	1.977	.191	20252.040	.001%	99.656%
112.0	2.237	.215	20252.260	.001%	99.657%
113.0	2.539	.242	20252.500	.001%	99.658%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	2.822	.270	20252.770	.001%	99.659%
115.0	3.107	.296	20253.060	.001%	99.661%
116.0	3.432	.324	20253.390	.002%	99.662%
117.0	3.759	.353	20253.740	.002%	99.664%
118.0	4.163	.385	20254.130	.002%	99.666%
119.0	4.587	.422	20254.550	.002%	99.668%
120.0	5.058	.460	20255.010	.002%	99.670%
121.0	5.621	.505	20255.510	.002%	99.673%
122.0	6.174	.551	20256.060	.003%	99.676%
123.0	6.763	.598	20256.660	.003%	99.679%
124.0	7.451	.650	20257.310	.003%	99.682%
125.0	8.127	.704	20258.020	.003%	99.685%
126.0	8.907	.760	20258.780	.004%	99.689%
127.0	9.646	.818	20259.590	.004%	99.693%
128.0	10.387	.871	20260.460	.004%	99.697%
129.0	11.174	.925	20261.390	.005%	99.702%
130.0	11.867	.975	20262.370	.005%	99.707%
131.0	12.533	1.017	20263.380	.005%	99.712%
132.0	13.241	1.058	20264.440	.005%	99.717%
133.0	13.886	1.097	20265.540	.005%	99.722%
134.0	14.598	1.133	20266.670	.006%	99.728%
135.0	15.277	1.168	20267.840	.006%	99.734%
136.0	16.002	1.202	20269.040	.006%	99.739%
137.0	16.876	1.241	20270.280	.006%	99.746%
138.0	17.781	1.284	20271.560	.006%	99.752%
139.0	18.898	1.333	20272.890	.007%	99.758%
140.0	20.043	1.387	20274.280	.007%	99.765%
141.0	21.296	1.442	20275.720	.007%	99.772%
142.0	22.765	1.504	20277.230	.007%	99.780%
143.0	24.168	1.567	20278.790	.008%	99.787%
144.0	25.573	1.622	20280.420	.008%	99.795%
145.0	27.030	1.675	20282.090	.008%	99.804%
146.0	28.235	1.716	20283.810	.008%	99.812%
147.0	29.377	1.744	20285.550	.009%	99.821%
148.0	30.286	1.758	20287.310	.009%	99.829%
149.0	31.117	1.759	20289.070	.009%	99.838%
150.0	32.006	1.757	20290.830	.009%	99.847%
151.0	32.857	1.751	20292.580	.009%	99.855%

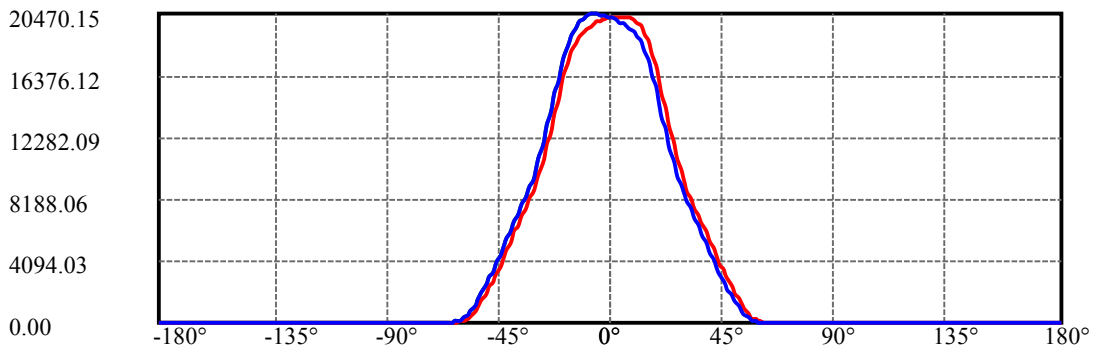
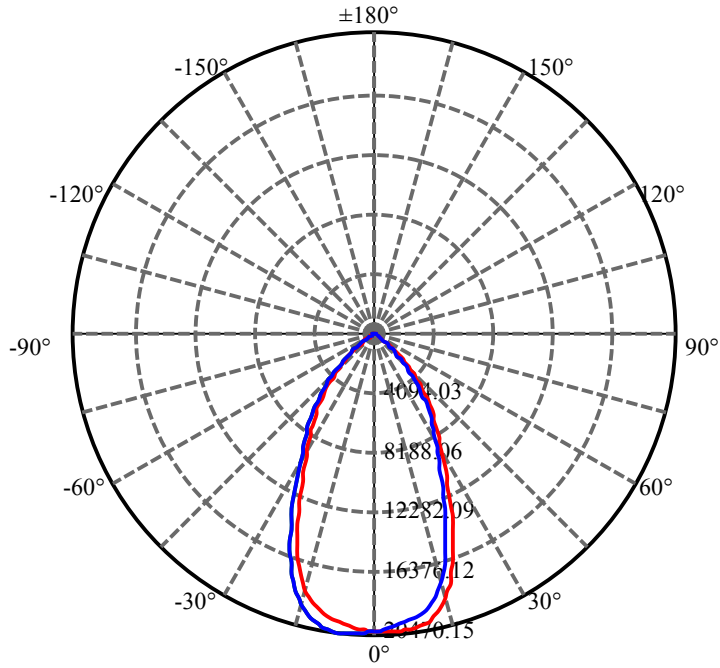
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	33.782	1.743	20294.320	.009%	99.864%
153.0	34.904	1.739	20296.060	.009%	99.872%
154.0	36.049	1.736	20297.800	.009%	99.881%
155.0	37.402	1.734	20299.530	.009%	99.890%
156.0	38.681	1.730	20301.260	.009%	99.898%
157.0	39.930	1.719	20302.980	.008%	99.907%
158.0	41.192	1.702	20304.680	.008%	99.915%
159.0	42.225	1.676	20306.360	.008%	99.923%
160.0	43.133	1.639	20308.000	.008%	99.931%
161.0	43.979	1.594	20309.590	.008%	99.939%
162.0	44.624	1.542	20311.130	.008%	99.947%
163.0	45.200	1.481	20312.610	.007%	99.954%
164.0	45.650	1.415	20314.030	.007%	99.961%
165.0	46.095	1.344	20315.370	.007%	99.967%
166.0	46.658	1.273	20316.640	.006%	99.974%
167.0	47.287	1.202	20317.850	.006%	99.980%
168.0	48.007	1.131	20318.980	.006%	99.985%
169.0	48.818	1.058	20320.040	.005%	99.990%
170.0	49.498	.982	20321.020	.005%	99.995%
171.0	50.127	.902	20321.920	.004%	100.000%
172.0	50.633	.817	20322.740	.004%	100.004%
173.0	51.151	.728	20323.470	.004%	100.007%
174.0	51.825	.639	20324.110	.003%	100.011%
175.0	52.569	.549	20324.650	.003%	100.013%
176.0	53.383	.456	20325.110	.002%	100.015%
177.0	54.234	.360	20325.470	.002%	100.017%
178.0	54.864	.261	20325.730	.001%	100.019%
179.0	55.300	.158	20325.890	.001%	100.019%
180.0	55.432	.053	20325.940	.000%	100.020%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	12440.28	61.22%	61.20%
0-40	16893.45	83.13%	83.11%
0-60	20199.91	99.40%	99.38%
0-90	20249.25	99.64%	99.62%
90-120	5.76	0.03%	0.03%
90-130	13.12	0.06%	0.06%
90-150	41.58	0.20%	0.20%
90-180	76.64	0.38%	0.38%
0-180	20325.94	100.02%	100.00%

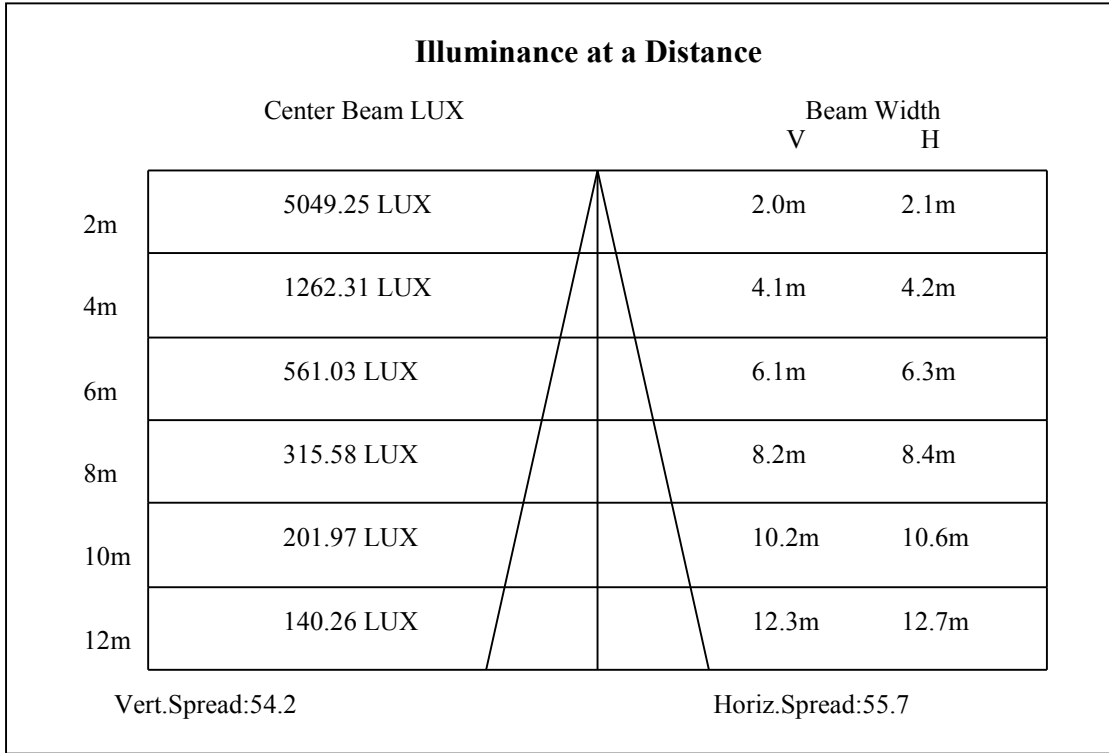
## ZONAL LUMEN SUMMARY

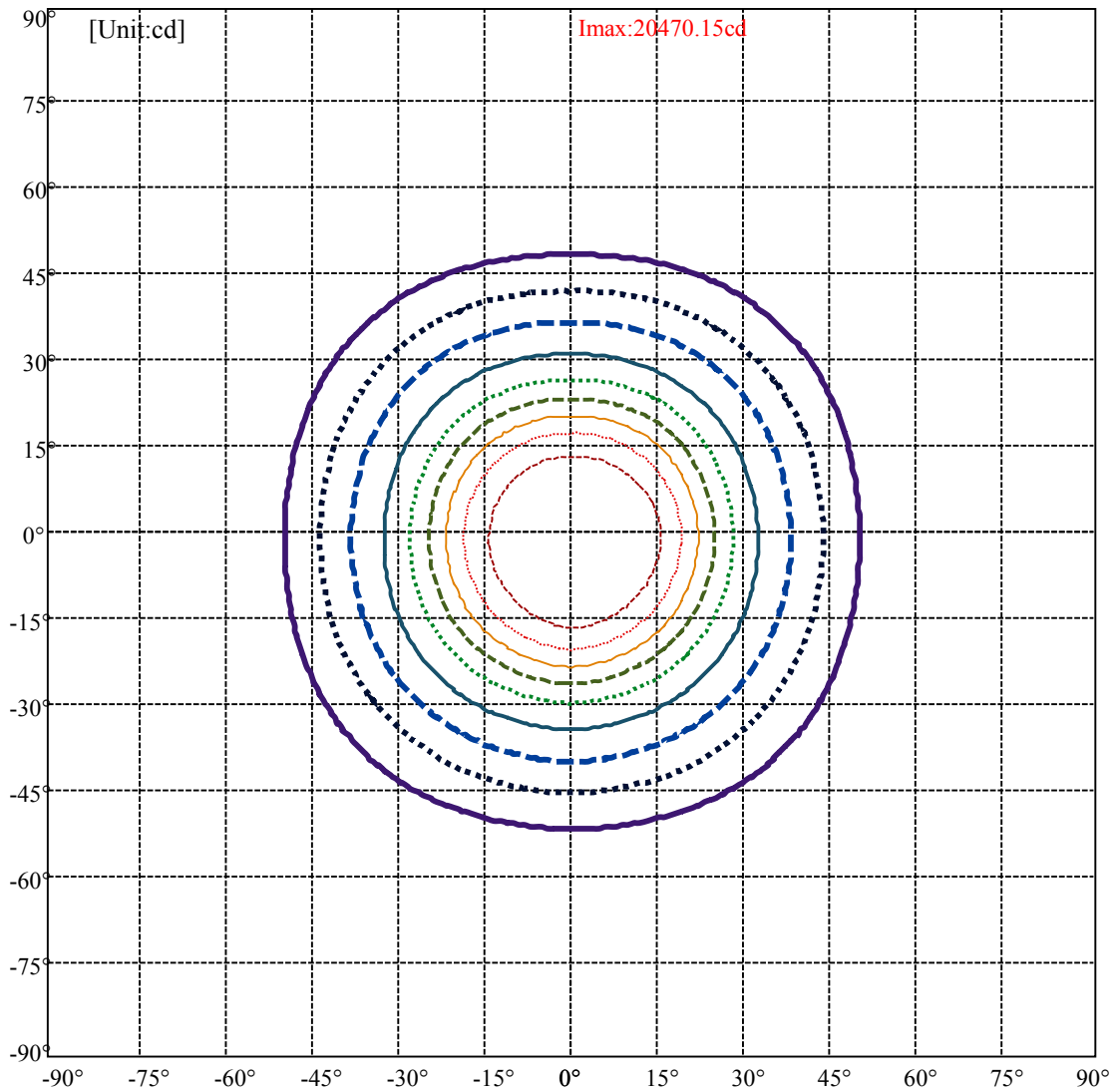
0-10	1905.95
10-20	5041.09
20-30	5493.24
30-40	4453.17
40-50	2655.07
50-60	651.38
60-70	34.61
70-80	11.35
80-90	3.39
90-100	1.27
100-110	1.33
110-120	3.16
120-130	7.36
130-140	11.92
140-150	16.54
150-160	17.17
160-170	13.02
170-180	4.87



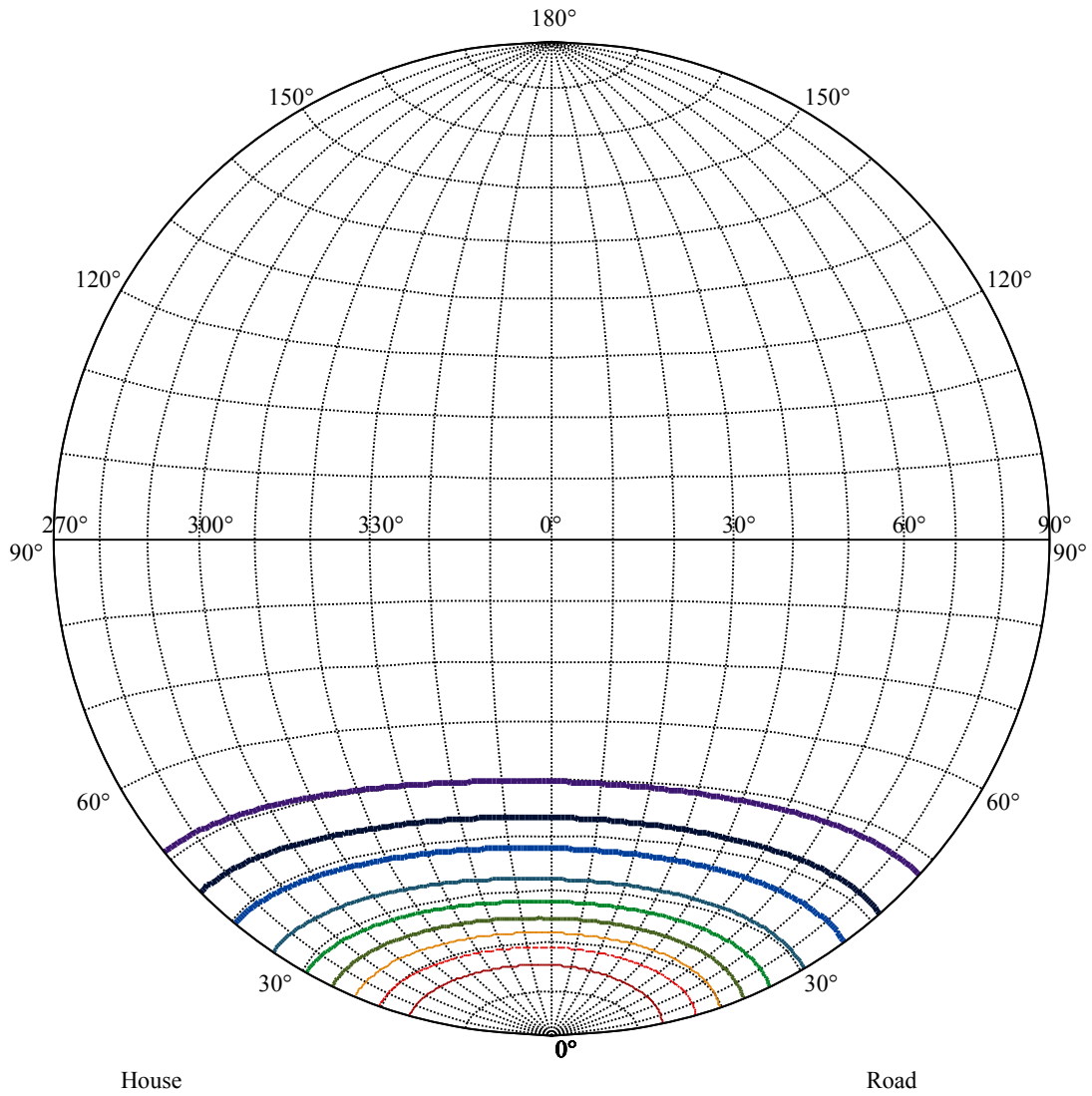
C270(Max): ———  
C0/C180: ———  
C90/C270: ———







(10%Imax) 2047.02	———
(20%Imax) 4094.03	.....
(30%Imax) 6141.05	- - - - -
(40%Imax) 8188.06	—————
(50%Imax) 10235.1	.....
(60%Imax) 12282.1	- - - - -
(70%Imax) 14329.1	—————
(80%Imax) 16376.1	.....
(90%Imax) 18423.1	- - - - -

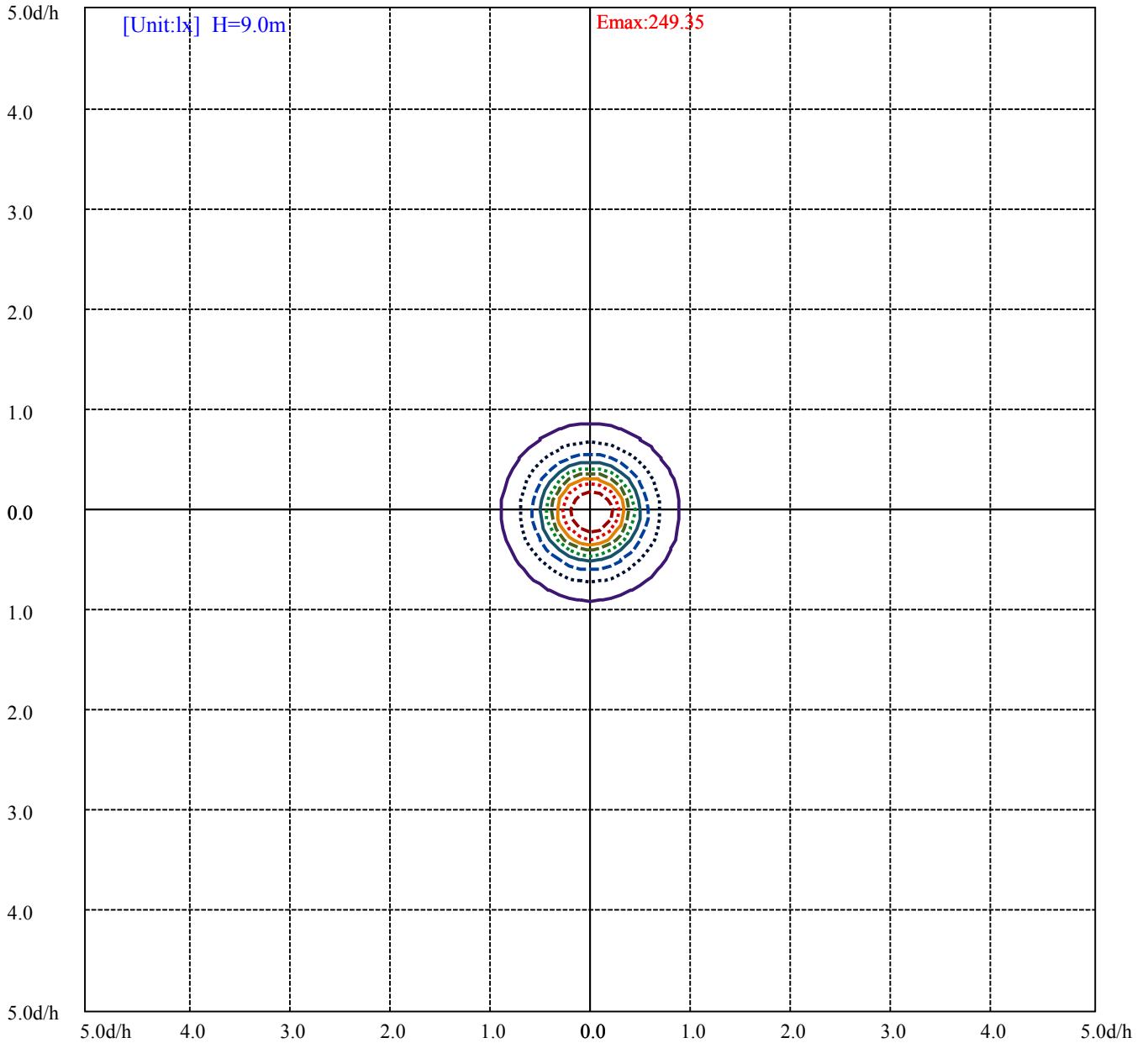


House

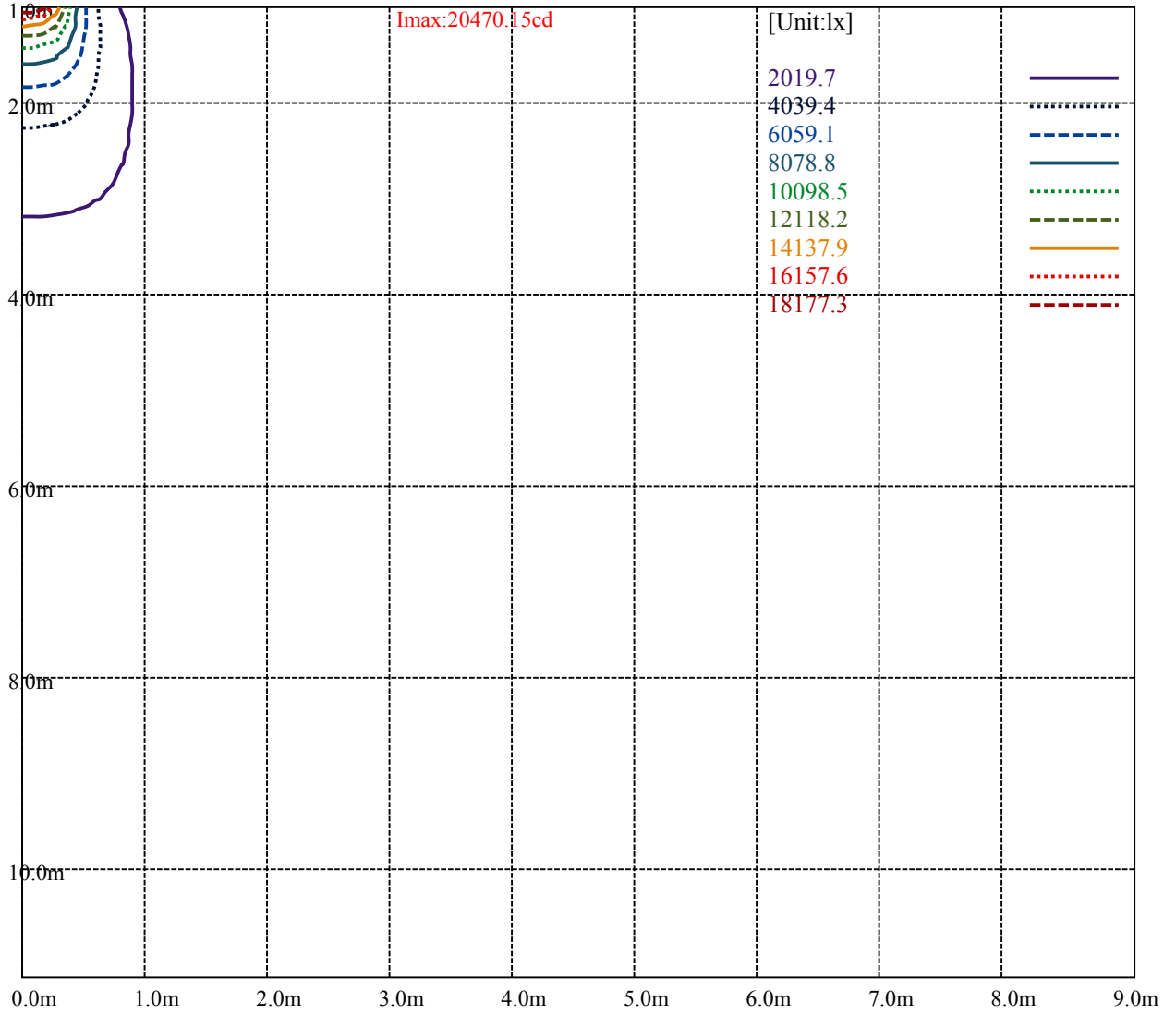
Road

Imax:20470.15cd

(10%Imax) 2047.02	—
(20%Imax) 4094.03	·····
(30%Imax) 6141.05	- - - - -
(40%Imax) 8188.06	—
(50%Imax) 10235.1	·····
(60%Imax) 12282.1	- - - - -
(70%Imax) 14329.1	—
(80%Imax) 16376.1	·····
(90%Imax) 18423.1	- - - - -



- (10%Emax) 24.93457 ————
- (20%Emax) 49.86913 ······
- (30%Emax) 74.8037 - - - - -
- (40%Emax) 99.73827 ————
- (50%Emax) 124.6728 ······
- (60%Emax) 149.6074 - - - - -
- (70%Emax) 174.542 ————
- (80%Emax) 199.4765 ······
- (90%Emax) 224.4111 - - - - -

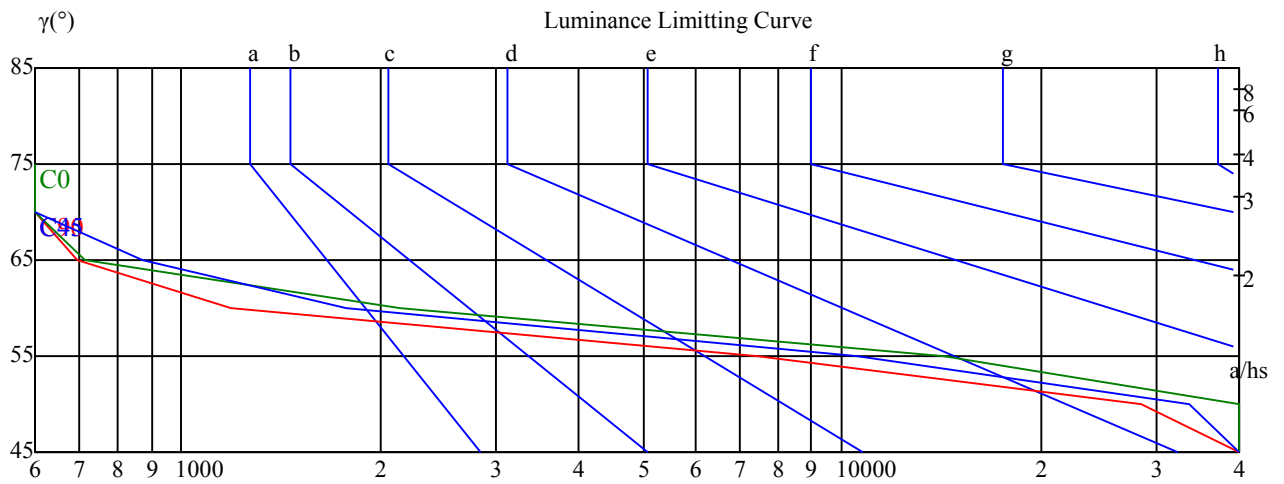


Luminance Table

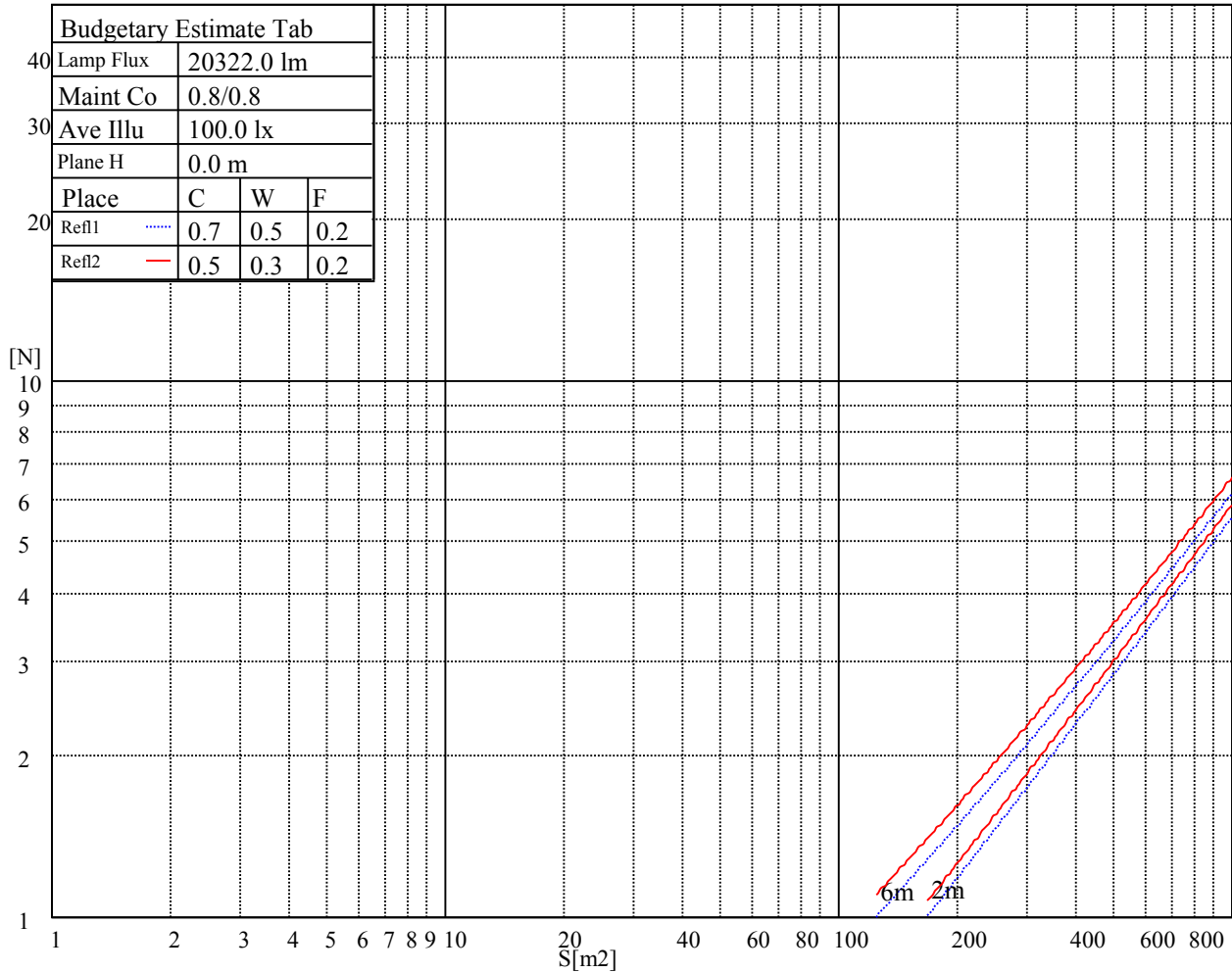
$\gamma$	45	50	55	60	65	70	75	80	85
C0	66441	40361	14258	2140	712	599	594	544	312
C45	58541	33610	10531	1780	871	576	502	476	361
C90	52847	28381	7436	1187	695	525	457	306	124

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

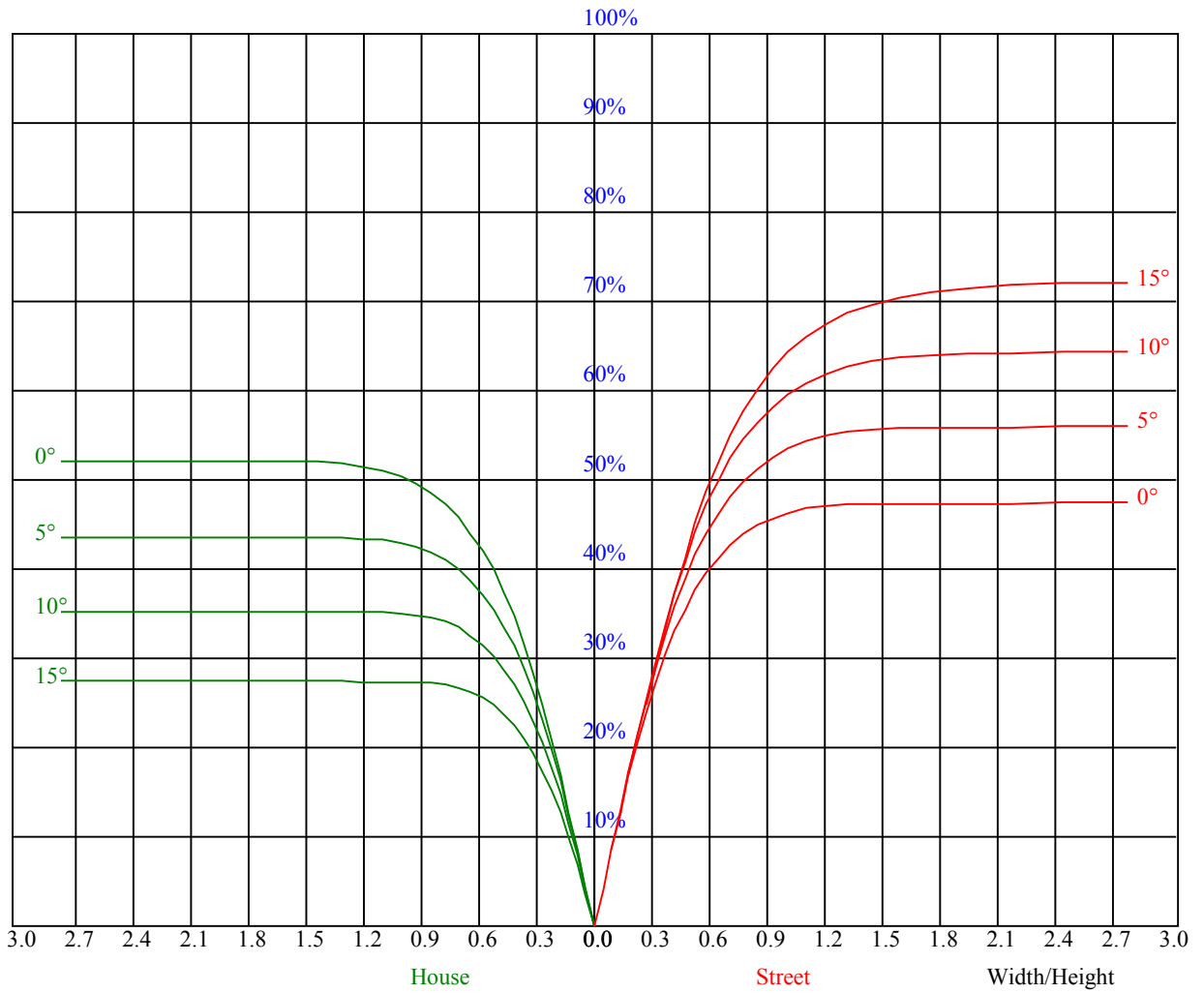


Illuminatin assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	11.7	12.6	11.9	12.8	13.0	11.0	11.9	11.2	12.1	12.3
	3H	11.5	12.3	11.8	12.6	12.8	10.8	11.6	11.1	11.9	12.1
	4H	11.3	12.0	11.7	12.3	12.6	10.6	11.3	11.0	11.6	11.9
	6H	11.3	12.0	11.7	12.3	12.6	10.6	11.3	11.0	11.6	11.9
	8H	11.3	12.0	11.7	12.3	12.6	10.6	11.3	11.0	11.6	11.9
	12H	11.1	11.6	11.5	12.0	12.4	10.4	10.9	10.8	11.3	11.7
4H	2H	11.3	12.0	11.7	12.3	12.6	10.6	11.3	11.0	11.6	11.9
	3H	11.1	11.6	11.5	12.0	12.4	10.4	10.9	10.8	11.3	11.7
	4H	11.1	11.6	11.5	12.0	12.4	10.4	10.9	10.8	11.3	11.7
	6H	11.1	11.6	11.5	12.0	12.4	10.4	10.9	10.8	11.3	11.7
	8H	10.9	11.2	11.4	11.7	12.2	10.2	10.5	10.7	11.0	11.5
	12H	10.9	11.2	11.4	11.7	12.2	10.2	10.5	10.7	11.0	11.5
8H	4H	10.9	11.2	11.4	11.7	12.2	10.2	10.5	10.7	11.0	11.5
	6H	10.9	11.2	11.4	11.7	12.2	10.2	10.5	10.7	11.0	11.5
	8H	10.9	11.2	11.4	11.7	12.2	10.2	10.5	10.7	11.0	11.5
	12H	10.9	11.2	11.4	11.7	12.2	10.2	10.5	10.7	11.0	11.5
12H	4H	10.9	11.2	11.4	11.7	12.2	10.2	10.5	10.7	11.0	11.5
	6H	10.9	11.2	11.4	11.7	12.2	10.2	10.5	10.7	11.0	11.5
	8H	10.9	11.2	11.4	11.7	12.2	10.2	10.5	10.7	11.0	11.5
Variation with the observer position at spacings:											
S = 1.0H		2.0/-8.4					2.4/-10.5				
S = 1.5H		4.5/-21.7					4.7/-22.1				
S = 2.0H		6.7/-22.9					6.8/-23.1				
Standard tables:		BK0					BK0				
Uncorrected UGR		-6.9					-7.6				
According 1000lm											





RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.10	1.08	1.05	1.08	1.06	1.03	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.95	0.94	0.92
2	1.02	0.97	0.94	1.00	0.96	0.93	0.97	0.93	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.85
3	0.94	0.89	0.85	0.93	0.88	0.84	0.90	0.86	0.82	0.88	0.84	0.81	0.85	0.82	0.80	0.78
4	0.87	0.81	0.77	0.86	0.81	0.76	0.84	0.79	0.75	0.82	0.78	0.74	0.80	0.76	0.74	0.72
5	0.81	0.75	0.70	0.80	0.74	0.70	0.78	0.73	0.69	0.77	0.72	0.69	0.75	0.71	0.68	0.66
6	0.76	0.69	0.65	0.75	0.69	0.64	0.73	0.68	0.64	0.72	0.67	0.63	0.70	0.66	0.63	0.61
7	0.71	0.64	0.60	0.70	0.64	0.59	0.69	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.58	0.57
8	0.66	0.60	0.55	0.66	0.59	0.55	0.64	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.54	0.53
9	0.62	0.56	0.52	0.62	0.56	0.51	0.61	0.55	0.51	0.60	0.55	0.51	0.59	0.54	0.51	0.49
10	0.58	0.52	0.48	0.58	0.52	0.48	0.57	0.52	0.48	0.56	0.51	0.48	0.56	0.51	0.48	0.46



EVERFINE

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	20197.00	20214.22	20237.99	20253.58	20260.34	20254.60	20236.22	20201.21	20154.01
45.0	20197.00	20143.14	20107.07	20062.87	20000.28	19931.67	19856.34	19769.74	19684.55
90.0	20197.00	20152.96	20071.87	19986.17	19885.80	19792.95	19701.80	19601.35	19499.87
135.0	20197.00	20167.05	20096.21	20018.92	19929.11	19847.98	19769.88	19683.72	19594.60
180.0	20197.00	20159.22	20121.08	20076.81	20013.98	19940.24	19850.26	19734.93	19615.72
225.0	20197.00	20194.66	20220.32	20238.00	20241.31	20220.59	20171.44	20084.48	19977.39
270.0	20197.00	20265.46	20314.84	20358.33	20404.56	20441.87	20466.99	20470.15	20441.80
315.0	20197.00	20248.43	20272.60	20290.66	20311.40	20331.36	20346.56	20346.22	20318.69
360.0	20197.00	20214.22	20237.99	20253.58	20260.34	20254.60	20236.22	20201.21	20154.01
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	20088.50	19987.70	19857.35	19659.28	19414.12	19099.38	18672.78	18208.04	17680.09
45.0	19585.94	19448.22	19279.06	19033.34	18744.44	18392.36	17937.62	17459.10	16925.68
90.0	19377.33	19204.21	18996.42	18704.92	18371.61	17971.58	17458.07	16918.78	16319.84
135.0	19483.66	19322.64	19125.64	18846.21	18526.32	18145.77	17665.90	17172.56	16634.04
180.0	19484.80	19326.40	19160.40	18944.95	18704.24	18412.63	18029.47	17616.08	17143.54
225.0	19848.28	19684.78	19512.60	19294.52	19059.12	18781.21	18419.95	18028.57	17576.74
270.0	20377.08	20261.08	20112.41	19904.76	19672.88	19399.63	19050.14	18677.78	18251.72
315.0	20256.11	20141.96	19992.52	19777.27	19526.88	19219.51	18814.30	18379.10	17888.04
360.0	20088.50	19987.70	19857.35	19659.28	19414.12	19099.38	18672.78	18208.04	17680.09
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	17043.06	16413.43	15687.57	14996.12	14290.06	13516.57	12817.41	12138.76	11431.28
45.0	16287.87	15660.74	14943.13	14267.44	13586.33	12848.29	12184.56	11540.02	10866.64
90.0	15610.89	14926.29	14162.56	13464.58	12781.71	12063.80	11436.32	10842.35	10236.80
135.0	16001.77	15387.58	14688.03	14028.25	13360.15	12633.71	11981.44	11353.00	10705.48
180.0	16563.09	15975.61	15282.03	14608.75	13913.74	13149.88	12462.32	11801.67	11123.71
225.0	17017.66	16452.14	15789.52	15151.94	14496.29	13772.27	13111.28	12462.62	11778.54
270.0	17723.98	17184.55	16541.72	15910.84	15249.30	14503.87	13809.91	13117.50	12378.27
315.0	17297.20	16712.13	16032.14	15375.25	14693.17	13932.97	13236.21	12553.97	11839.62
360.0	17043.06	16413.43	15687.57	14996.12	14290.06	13516.57	12817.41	12138.76	11431.28
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	10818.31	10191.87	9658.36	9165.20	8673.25	8261.67	7881.58	7492.64	7149.54
45.0	10283.84	9692.29	9193.79	8737.06	8282.81	7900.80	7543.80	7171.75	6835.51
90.0	9723.33	9208.94	8776.56	8376.24	7967.82	7610.97	7262.79	6884.25	6531.78
135.0	10154.25	9603.30	9144.10	8725.00	8306.09	7948.16	7604.85	7234.49	6888.70
180.0	10547.31	9968.99	9483.03	9035.80	8587.16	8206.28	7847.46	7471.30	7131.07
225.0	11179.54	10561.75	10031.46	9538.06	9043.04	8626.83	8240.36	7841.07	7482.82
270.0	11728.23	11061.12	10494.83	9973.82	9454.77	9019.15	8615.58	8203.64	7843.78
315.0	11220.31	10588.43	10051.29	9554.52	9056.48	8635.73	8242.88	7837.43	7478.81
360.0	10818.31	10191.87	9658.36	9165.20	8673.25	8261.67	7881.58	7492.64	7149.54
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	6780.07	6439.67	6094.23	5710.33	5352.86	4992.80	4601.81	4249.68	3876.44
45.0	6462.70	6108.97	5742.40	5331.58	4951.28	4574.09	4172.55	3817.66	3447.48
90.0	6136.37	5762.81	5380.98	4961.03	4579.82	4208.32	3819.12	3479.36	3127.44
135.0	6497.67	6125.54	5743.46	5320.92	4933.09	4548.33	4135.84	3768.51	3384.67
180.0	6756.06	6403.91	6042.18	5637.68	5260.35	4880.19	4467.07	4094.92	3701.82
225.0	7087.89	6715.45	6332.22	5906.09	5514.23	5127.08	4715.77	4352.97	3975.86
270.0	7460.90	7110.59	6754.67	6356.28	5982.06	5602.46	5188.00	4813.22	4414.73
315.0	7093.63	6740.28	6382.86	5986.09	5616.11	5242.25	4834.80	4467.59	4080.56
360.0	6780.07	6439.67	6094.23	5710.33	5352.86	4992.80	4601.81	4249.68	3876.44

EVERFINE

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	3545.94	3226.13	2887.18	2582.85	2255.22	1958.16	1665.87	1357.40	1090.99
45.0	3124.31	2815.80	2493.47	2207.91	1903.83	1630.62	1364.24	1086.95	852.53
90.0	2820.47	2525.89	2215.27	1937.71	1641.39	1376.90	1123.10	865.71	655.53
135.0	3051.78	2737.91	2415.06	2133.12	1836.20	1571.28	1313.71	1045.50	818.33
180.0	3357.39	3030.12	2691.87	2395.85	2083.40	1803.17	1528.10	1237.26	985.71
225.0	3648.17	3336.06	3008.89	2715.94	2398.77	2108.01	1818.25	1508.18	1236.49
270.0	4061.28	3719.61	3359.33	3038.81	2697.50	2390.43	2087.93	1764.00	1475.83
315.0	3742.34	3420.87	3086.63	2790.70	2473.58	2184.51	1896.12	1584.96	1308.53
360.0	3545.94	3226.13	2887.18	2582.85	2255.22	1958.16	1665.87	1357.40	1090.99

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	847.85	617.27	442.93	295.12	196.48	128.20	80.77	54.89	39.86
45.0	644.88	455.91	320.05	211.13	142.51	97.34	67.17	50.98	41.38
90.0	476.76	321.93	216.77	137.62	91.09	62.53	44.80	35.85	30.64
135.0	616.71	433.11	301.31	196.13	130.40	87.66	59.74	45.37	37.47
180.0	756.84	542.17	383.11	252.15	167.85	111.59	73.81	53.66	42.00
225.0	984.53	740.49	550.70	383.78	267.07	181.86	118.84	82.03	59.17
270.0	1201.46	925.96	702.93	498.68	350.31	238.43	153.43	103.03	72.05
315.0	1048.09	791.64	589.39	409.73	283.41	191.05	122.89	83.35	59.18
360.0	847.85	617.27	442.93	295.12	196.48	128.20	80.77	54.89	39.86

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	30.73	25.97	22.73	20.66	19.05	17.60	16.46	15.45	14.48
45.0	35.06	31.16	27.78	24.94	22.20	19.34	16.94	14.86	13.03
90.0	27.04	24.54	22.16	20.11	18.18	16.28	14.78	13.54	12.44
135.0	32.94	30.60	28.68	26.86	24.72	22.05	19.51	17.07	14.69
180.0	34.76	30.76	27.68	25.25	22.85	20.18	17.76	15.48	13.27
225.0	44.21	35.66	29.17	24.59	20.92	17.93	16.12	15.09	14.57
270.0	53.15	44.11	38.95	36.03	33.48	30.43	27.29	24.01	20.57
315.0	44.06	36.24	31.20	28.14	25.75	23.47	21.48	19.56	17.57
360.0	30.73	25.97	22.73	20.66	19.05	17.60	16.46	15.45	14.48

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.70	12.93	12.28	11.61	10.81	10.00	9.12	8.11	7.13
45.0	11.78	10.84	10.26	9.80	9.29	8.71	8.00	7.10	6.24
90.0	11.56	10.66	9.82	8.94	7.93	6.97	6.00	4.95	4.02
135.0	12.80	11.03	9.62	8.39	7.22	6.29	5.48	4.70	4.08
180.0	11.55	10.04	9.01	8.29	7.80	7.51	7.25	6.90	6.50
225.0	14.31	13.98	13.50	12.84	12.03	11.27	10.51	9.64	8.72
270.0	17.79	15.27	13.42	11.91	10.51	9.37	8.33	7.32	6.56
315.0	15.88	14.22	12.87	11.67	10.50	9.53	8.64	7.74	6.99
360.0	13.70	12.93	12.28	11.61	10.81	10.00	9.12	8.11	7.13

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.02	4.97	3.93	2.88	2.05	1.39	0.86	0.52	0.30
45.0	5.30	4.50	3.75	3.00	2.38	1.81	1.26	0.85	0.52
90.0	3.07	2.31	1.68	1.16	0.82	0.58	0.39	0.26	0.16
135.0	3.49	3.02	2.62	2.25	1.97	1.73	1.50	1.32	1.17
180.0	5.97	5.44	4.90	4.32	3.80	3.30	2.83	2.50	2.29
225.0	7.55	6.34	5.10	3.86	2.92	2.22	1.72	1.45	1.30
270.0	5.95	5.57	5.31	5.07	4.83	4.53	4.15	3.77	3.40
315.0	6.20	5.51	4.82	4.10	3.49	2.93	2.38	1.93	1.50
360.0	6.02	4.97	3.93	2.88	2.05	1.39	0.86	0.52	0.30

EVERFINE

Intensity data(cd)

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	0.21	0.19	0.24	0.33	0.45	0.56	0.65	0.71	0.73
45.0	0.32	0.21	0.18	0.21	0.27	0.32	0.34	0.33	0.29
90.0	0.10	0.06	0.05	0.07	0.11	0.18	0.26	0.37	0.48
135.0	1.09	1.08	1.13	1.23	1.36	1.48	1.59	1.71	1.80
180.0	2.21	2.23	2.30	2.39	2.49	2.57	2.61	2.57	2.46
225.0	1.24	1.21	1.18	1.17	1.14	1.11	1.07	1.04	1.03
270.0	3.12	2.92	2.78	2.68	2.54	2.35	2.09	1.76	1.43
315.0	1.20	1.01	0.95	1.01	1.12	1.20	1.22	1.18	1.13
360.0	0.21	0.19	0.24	0.33	0.45	0.56	0.65	0.71	0.73
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.72	0.69	0.66	0.64	0.65	0.70	0.81	0.95	1.12
45.0	0.22	0.15	0.11	0.12	0.18	0.32	0.59	0.94	1.39
90.0	0.60	0.77	0.98	1.25	1.53	1.78	1.97	2.05	2.06
135.0	1.85	1.83	1.75	1.61	1.48	1.38	1.31	1.29	1.29
180.0	2.30	2.14	2.06	2.09	2.19	2.30	2.37	2.35	2.25
225.0	1.08	1.18	1.29	1.37	1.37	1.28	1.10	0.93	0.81
270.0	1.12	0.81	0.58	0.38	0.25	0.17	0.15	0.19	0.29
315.0	1.10	1.13	1.21	1.31	1.38	1.41	1.38	1.33	1.32
360.0	0.72	0.69	0.66	0.64	0.65	0.70	0.81	0.95	1.12
C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	1.29	1.45	1.64	1.85	2.11	2.46	2.84	3.28	3.86
45.0	1.94	2.44	2.91	3.26	3.54	3.78	3.99	4.19	4.43
90.0	2.03	2.05	2.15	2.34	2.61	2.96	3.28	3.57	3.85
135.0	1.31	1.35	1.42	1.50	1.63	1.84	2.14	2.57	3.20
180.0	2.13	2.06	2.06	2.16	2.32	2.51	2.68	2.86	3.09
225.0	0.76	0.81	0.95	1.13	1.33	1.56	1.78	2.01	2.29
270.0	0.45	0.62	0.82	0.99	1.15	1.32	1.50	1.71	1.97
315.0	1.40	1.62	2.05	2.59	3.22	3.89	4.38	4.68	4.76
360.0	1.29	1.45	1.64	1.85	2.11	2.46	2.84	3.28	3.86
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	4.53	5.43	6.40	7.44	8.56	9.46	10.18	10.73	11.07
45.0	4.70	5.07	5.52	6.10	6.83	7.55	8.25	8.97	9.59
90.0	4.09	4.38	4.68	5.02	5.43	5.87	6.42	7.18	8.08
135.0	3.91	4.77	5.59	6.35	7.07	7.63	8.15	8.73	9.36
180.0	3.38	3.78	4.21	4.69	5.25	5.83	6.48	7.29	8.08
225.0	2.58	2.92	3.24	3.57	3.95	4.35	4.82	5.45	6.12
270.0	2.24	2.53	2.80	3.08	3.39	3.69	4.04	4.50	4.99
315.0	4.64	4.42	4.25	4.24	4.49	5.01	5.77	6.76	7.73
360.0	4.53	5.43	6.40	7.44	8.56	9.46	10.18	10.73	11.07
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	11.34	11.58	11.88	12.36	12.99	13.81	14.88	15.92	16.99
45.0	10.24	10.82	11.40	12.05	12.77	13.76	15.29	17.15	19.59
90.0	9.27	10.54	11.98	13.71	15.40	17.12	18.91	20.38	21.70
135.0	10.17	11.02	11.93	12.90	13.68	14.26	14.62	14.71	14.64
180.0	8.95	9.71	10.38	10.98	11.40	11.67	11.79	11.75	11.60
225.0	6.94	7.72	8.49	9.22	9.75	10.12	10.35	10.45	10.55
270.0	5.60	6.19	6.78	7.39	7.91	8.39	8.94	9.51	10.27
315.0	8.75	9.59	10.27	10.79	11.05	11.13	11.15	11.21	11.44
360.0	11.34	11.58	11.88	12.36	12.99	13.81	14.88	15.92	16.99

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Intensity data(cd)

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	17.85	18.60	19.38	20.21	21.35	22.64	24.12	25.79	27.24
45.0	22.00	24.32	26.46	27.84	28.64	28.82	28.70	28.57	28.78
90.0	22.69	23.55	24.50	25.51	26.83	28.24	29.77	31.47	32.90
135.0	14.55	14.57	14.85	15.42	16.44	17.75	19.34	21.27	23.06
180.0	11.50	11.60	12.09	12.96	14.32	15.84	17.52	19.49	21.42
225.0	10.70	11.02	11.68	12.63	14.03	15.56	17.22	19.10	20.86
270.0	11.12	12.05	13.04	13.83	14.57	15.24	16.07	17.29	18.65
315.0	11.80	12.31	13.02	13.85	15.00	16.26	17.63	19.13	20.46
360.0	17.85	18.60	19.38	20.21	21.35	22.64	24.12	25.79	27.24
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	28.54	29.81	30.93	32.20	33.46	34.76	36.16	37.33	38.35
45.0	29.43	30.61	31.92	33.30	34.31	34.96	35.29	35.36	35.42
90.0	34.08	35.00	35.51	35.86	36.20	36.73	37.64	38.78	40.08
135.0	24.73	26.31	27.51	28.59	29.42	30.18	31.01	31.89	33.02
180.0	23.44	25.70	27.69	29.66	31.22	32.53	33.70	34.51	35.11
225.0	22.59	24.38	25.84	27.23	28.42	29.71	31.33	32.92	34.40
270.0	20.04	21.35	22.19	22.71	22.95	23.13	23.51	24.23	25.48
315.0	21.73	23.09	24.29	25.46	26.32	26.94	27.43	27.83	28.39
360.0	28.54	29.81	30.93	32.20	33.46	34.76	36.16	37.33	38.35
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	39.33	40.20	41.28	42.52	44.05	45.96	47.74	49.27	50.42
45.0	35.72	36.39	37.62	39.15	40.95	43.08	45.09	47.07	49.18
90.0	41.50	42.62	43.52	44.06	44.45	44.94	45.59	46.50	47.64
135.0	34.64	36.50	38.80	40.91	42.77	44.30	45.20	45.64	45.72
180.0	35.59	35.99	36.54	37.21	38.00	38.88	39.59	40.12	40.51
225.0	35.60	36.19	36.34	36.24	36.09	36.04	36.15	36.42	36.85
270.0	27.49	29.78	32.38	34.44	35.90	36.79	37.22	37.69	38.60
315.0	29.37	30.73	32.73	34.93	37.23	39.54	41.23	42.36	42.91
360.0	39.33	40.20	41.28	42.52	44.05	45.96	47.74	49.27	50.42
C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	50.89	50.80	50.33	49.71	49.11	48.84	48.94	49.49	50.27
45.0	51.01	52.82	54.24	55.32	56.05	56.28	56.14	55.65	54.97
90.0	48.68	49.61	50.26	50.77	51.37	52.15	53.18	54.44	55.41
135.0	45.56	45.30	45.15	45.27	45.81	46.70	47.81	49.01	49.84
180.0	40.77	41.06	41.45	42.03	42.95	44.01	45.14	46.31	47.26
225.0	37.34	37.93	38.48	39.00	39.43	39.65	39.75	39.94	40.50
270.0	39.85	41.45	42.86	44.02	44.98	45.66	46.25	46.80	47.23
315.0	42.91	42.62	42.43	42.64	43.56	45.01	46.85	48.92	50.51
360.0	50.89	50.80	50.33	49.71	49.11	48.84	48.94	49.49	50.27
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	51.18	51.86	52.29	52.52	52.66	52.90	53.36	53.93	54.59
45.0	54.08	53.21	52.43	51.91	51.86	52.24	53.00	53.80	54.61
90.0	55.92	55.77	55.15	54.26	53.60	53.32	53.56	54.21	55.21
135.0	50.31	50.39	50.31	50.34	50.68	51.39	52.48	53.57	54.62
180.0	48.26	49.27	50.45	51.89	53.20	54.31	55.14	55.49	55.46
225.0	41.92	44.09	46.92	50.21	52.86	54.73	55.78	55.98	55.71
270.0	47.67	48.23	49.14	50.67	52.45	54.28	55.88	56.68	56.71
315.0	51.68	52.24	52.52	52.80	53.25	53.90	54.68	55.25	55.49
360.0	51.18	51.86	52.29	52.52	52.66	52.90	53.36	53.93	54.59

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Intensity data(cd)

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C/ $\gamma$ (°)	180.0
0.0	55.43
45.0	55.43
90.0	55.43
135.0	55.43
180.0	55.43
225.0	55.43
270.0	55.43
315.0	55.43
360.0	55.43