

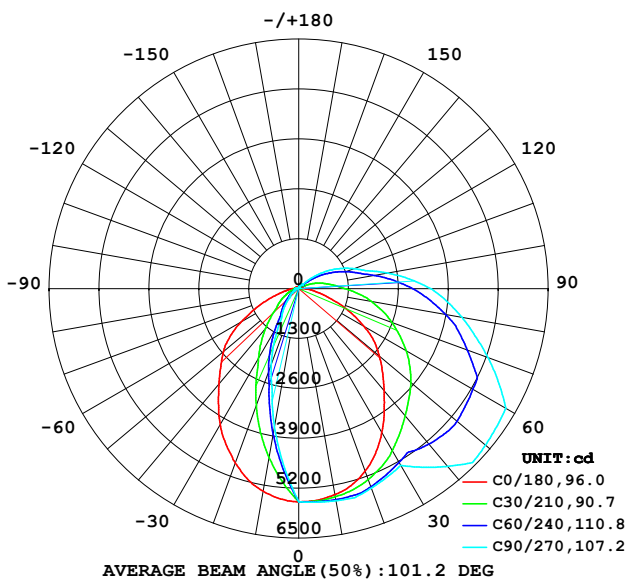
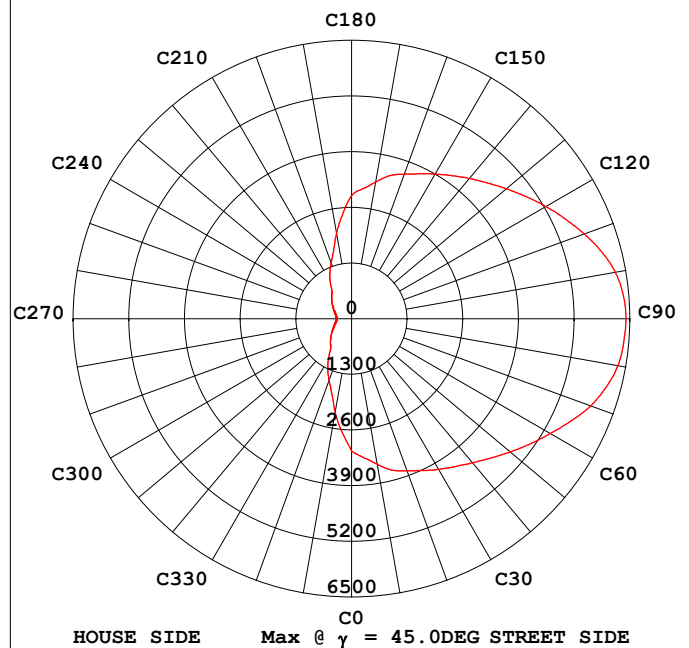
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.76V I:0.4738A P:119.51W PF:0.9148 Freq:60.00Hz

Lamp Flux:17233.6x1 lm

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:HAVELLS LIGHTING LLC	SUR.:	Shielding Angle:

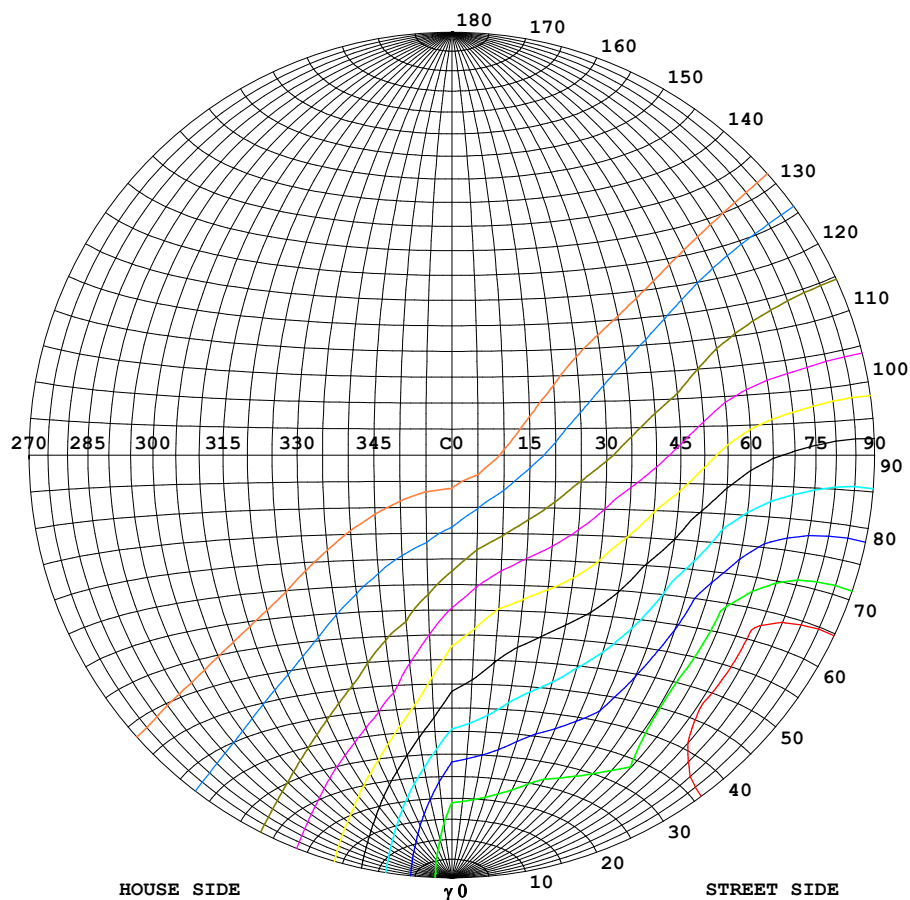
DATA OF LAMP		PHOTOMETRIC DATA				Eff: 144.20 lm/W
MODEL	HL-WP-MW-MCCT-120W-PS-BB-Gen2	Imax (cd)	6407	η street_up (%)	11.5	
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	71.3	
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	17234	η house_up (%)	0.9	
NOMINAL FLUX (lm)	17233.6	MAXIMUM @ (C, γ)	90, 45.0	η house_down (%)	16.3	
LAMPS INSIDE	1	η up (%)	12.4	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	275.7	η down (%)	87.6	SLI	21.677	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-06-12

V(B) Range: -180 - 180DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.200m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



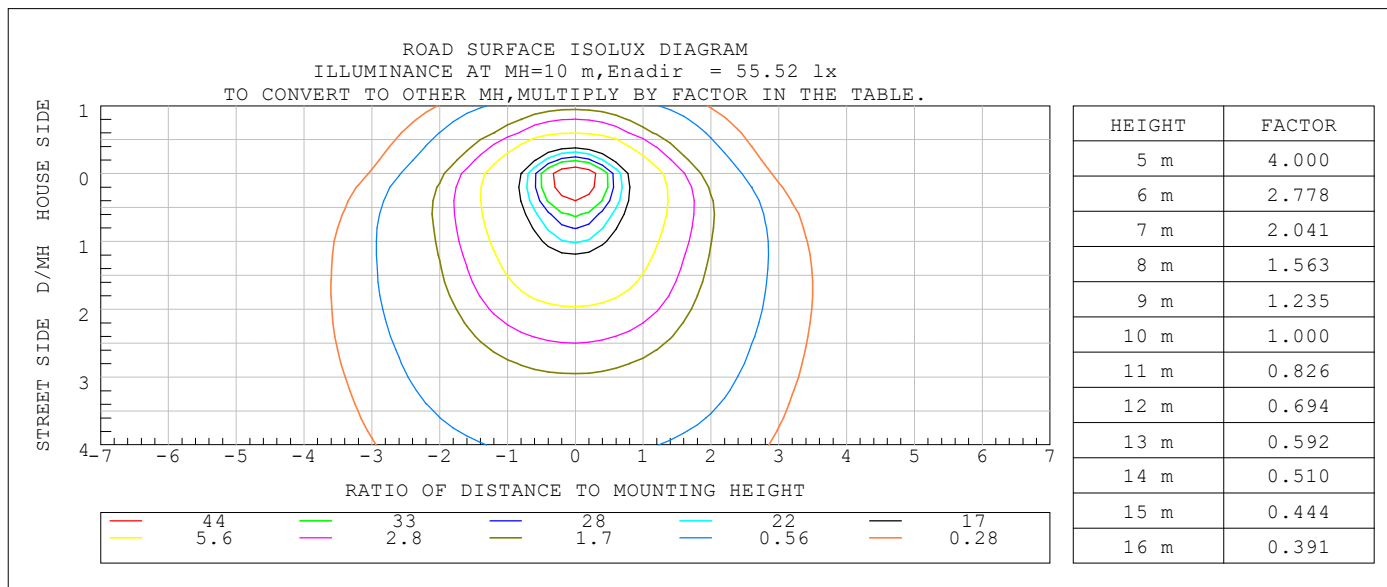
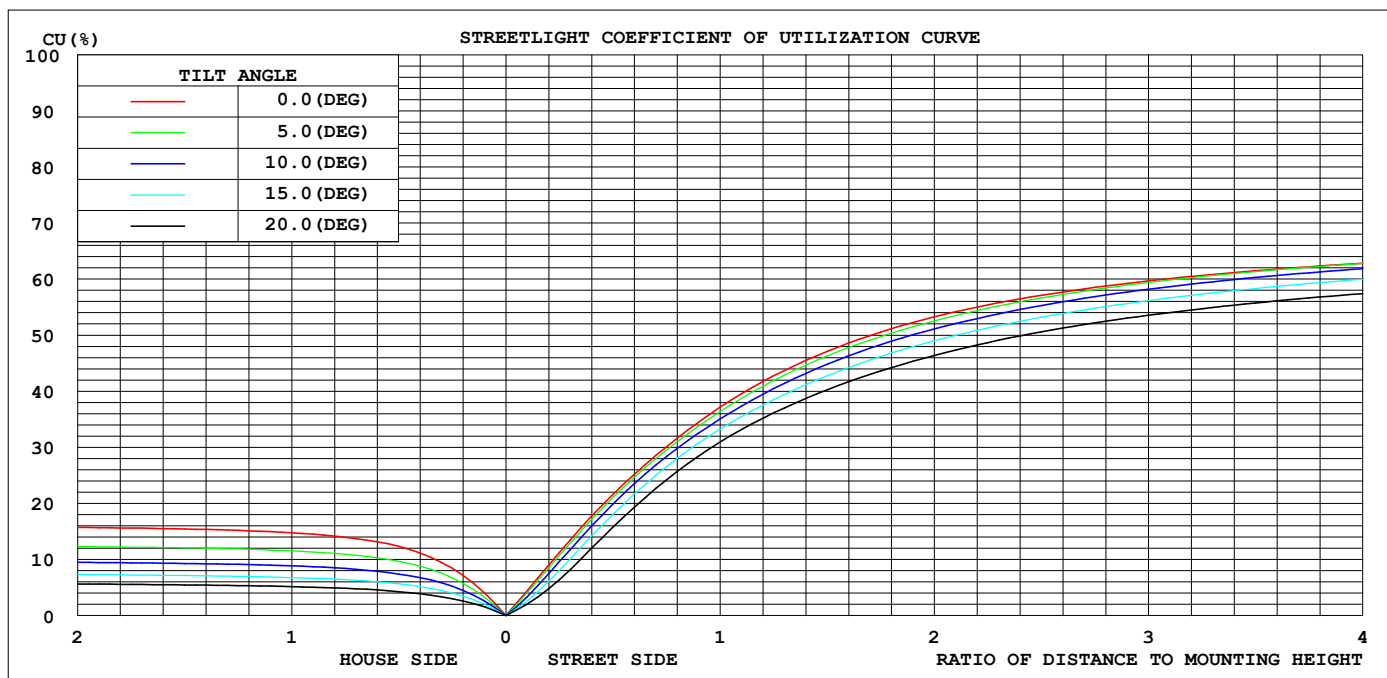
Classification:

IES:Type IV - Very Short
CIE:Broad - Short
IES:None cut-off
CIE:Non-cut-off
Max.At80:251.2cd/klm
Max.At90:200.5cd/klm
Max.80-90:251.2cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6407
90%	5766
80%	5125
70%	4485
60%	3844
50%	3203
40%	2563
30%	1922
20%	1281
10%	641
5%	320

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-12

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-12

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks:

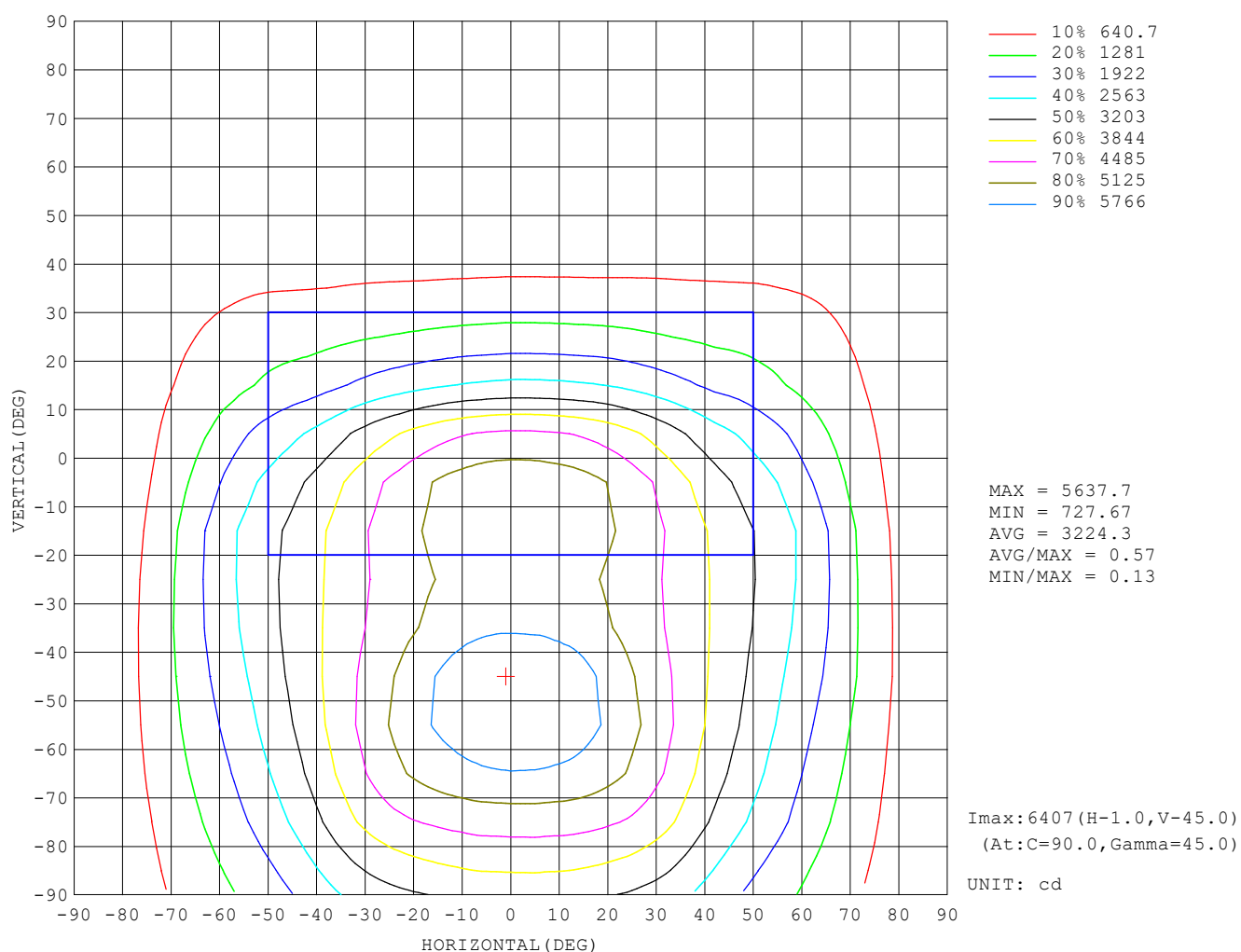
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5447	5542	5609	5492	5356	4115	3648	4168	0- 10	489.1	489.1	2.84, 2.84
20	5063	5452	5531	5323	4835	2614	2101	2731	10- 20	1271	1760	10.2, 10.2
30	4331	5066	5318	4939	4088	1625	908.7	1736	20- 30	1747	3507	20.4, 20.4
40	3468	4701	6044	4584	3231	809.3	543.4	852.1	30- 40	2000	5507	32, 32
50	2745	4467	6348	4341	2559	511.3	296.6	538.5	40- 50	2198	7705	44.7, 44.7
60	1959	4079	6230	3912	1724	286.1	168.2	303.8	50- 60	2249	9954	57.8, 57.8
70	1069	3559	5245	3361	860.3	149.5	125.3	159.0	60- 70	2090	12043	69.9, 69.9
80	447.1	2863	4317	2657	350.8	125.0	96.33	128.4	70- 80	1730	13773	79.9, 79.9
90	169.2	2059	3445	1906	151.0	104.8	81.20	93.26	80- 90	1326	15099	87.6, 87.6
100	33.62	1341	2355	1265	33.09	73.55	64.02	59.54	90-100	920.1	16019	93, 93
110	46.89	843.2	1534	826.7	41.08	47.63	51.11	41.10	100-110	573.5	16592	96.3, 96.3
120	81.81	385.2	982.7	379.8	78.78	35.88	42.46	32.75	110-120	339.2	16932	98.2, 98.2
130	50.12	133.1	417.4	128.8	50.66	31.75	38.18	29.79	120-130	158.7	17090	99.2, 99.2
140	31.04	137.7	141.4	135.4	33.32	29.80	34.43	28.27	130-140	61.10	17151	99.5, 99.5
150	25.18	101.6	154.7	99.94	28.85	29.69	31.21	28.22	140-150	42.46	17194	99.8, 99.8
160	26.23	60.06	91.22	58.73	29.02	29.32	29.88	28.20	150-160	25.41	17219	99.9, 99.9
170	27.40	43.59	48.85	43.07	28.40	28.62	28.66	28.11	160-170	11.32	17230	100, 100
180	27.57	27.57	27.57	27.57	27.55	27.55	27.55	27.55	170-180	3.097	17234	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-12

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks:

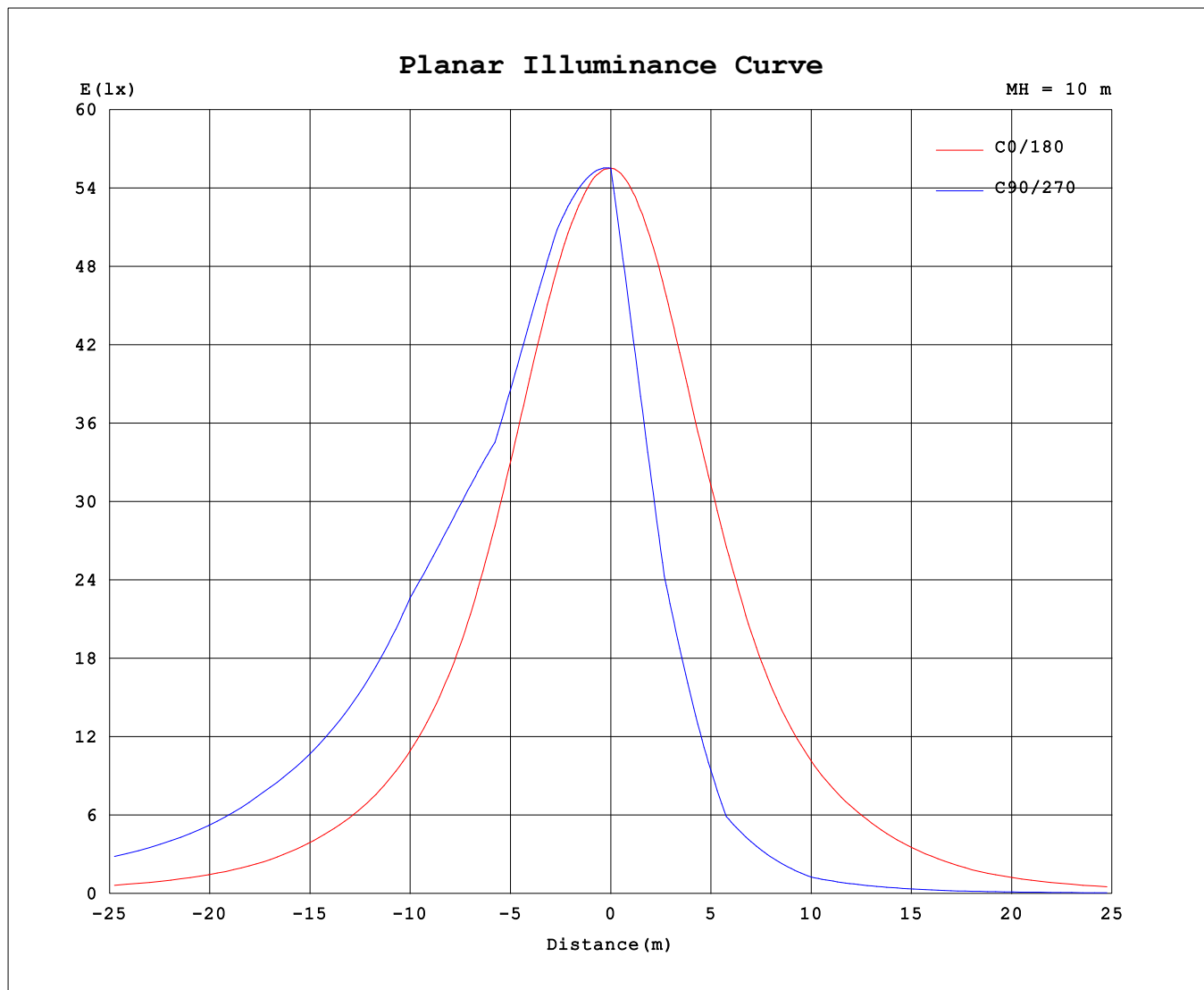
ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-12

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



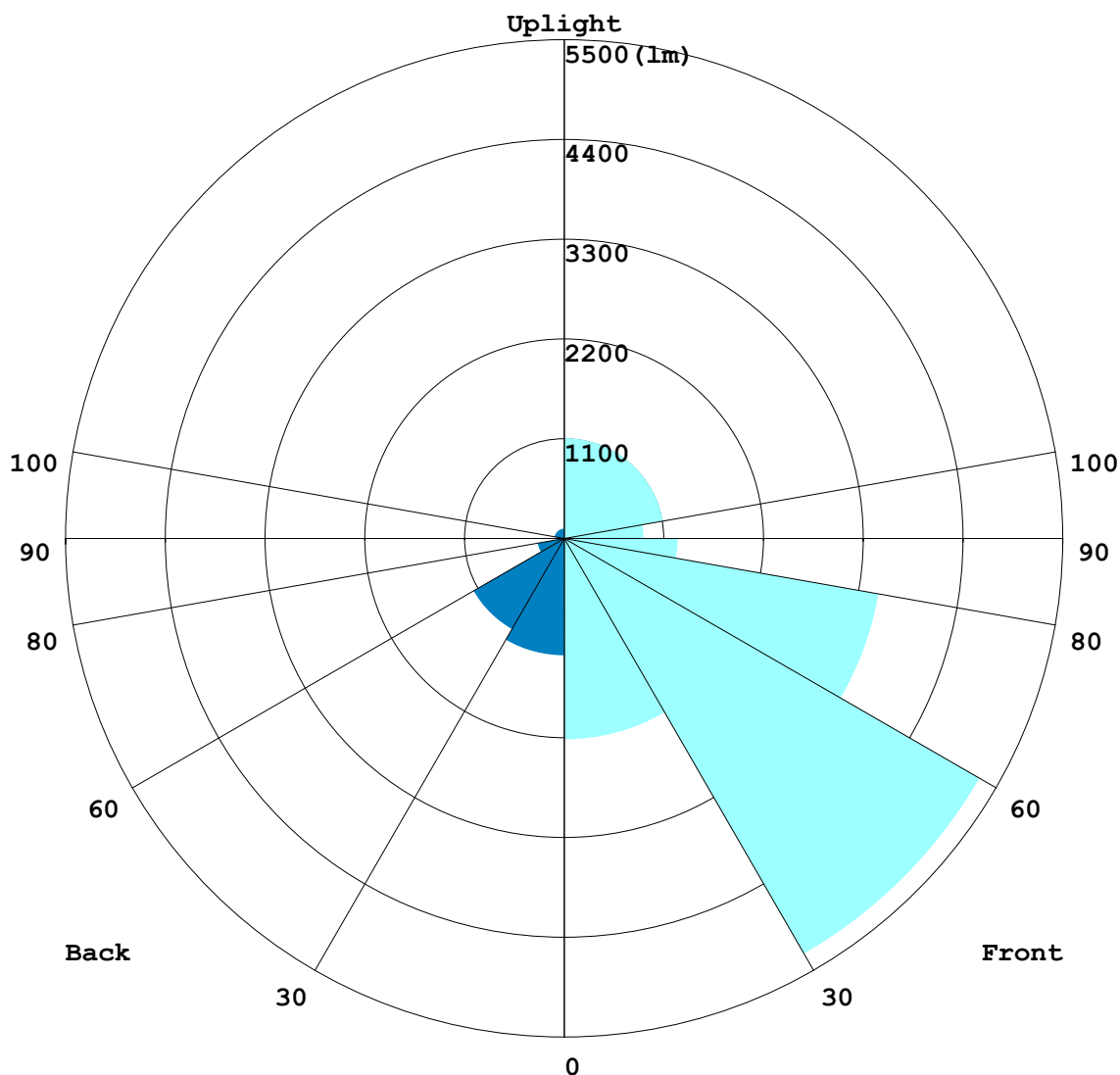
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-12

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks:

LCS REPORT

Test:U:275.76V I:0.4738A P:119.51W PF:0.9148 Freq:60.00Hz Lamp Flux:17233.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-12

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks:

BUG REPORT

Test:U:275.76V I:0.4738A P:119.51W PF:0.9148 Freq:60.00Hz Lamp Flux:17233.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2216.3	12.9
FM - Front-Medium(30-60)	5289.7	30.7
FH - Front-High(60-80)	3521.7	20.4
FVH - Front-Very High(80-90)	1253.4	7.3
Total Forward Light	14263	82.8

BL - Back-Low(0-30)	1290.9	7.5
BM - Back-Medium(30-60)	1156.7	6.7
BH - Back-High(60-80)	297.65	1.7
BVH - Back-Very High(80-90)	72.343	0.4
Total Back Light	2970.2	17.2

UL - Uplight-Low(90-100)	920.08	5.3
UH - Uplight-High(100-180)	1214.7	7.0
Total Up Light	2134.8	12.4

BUG(Back,Up,Glare) Rating	B3-U4-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2817.6	152.65	2970.2
Street Side	12281	1982.2	14263

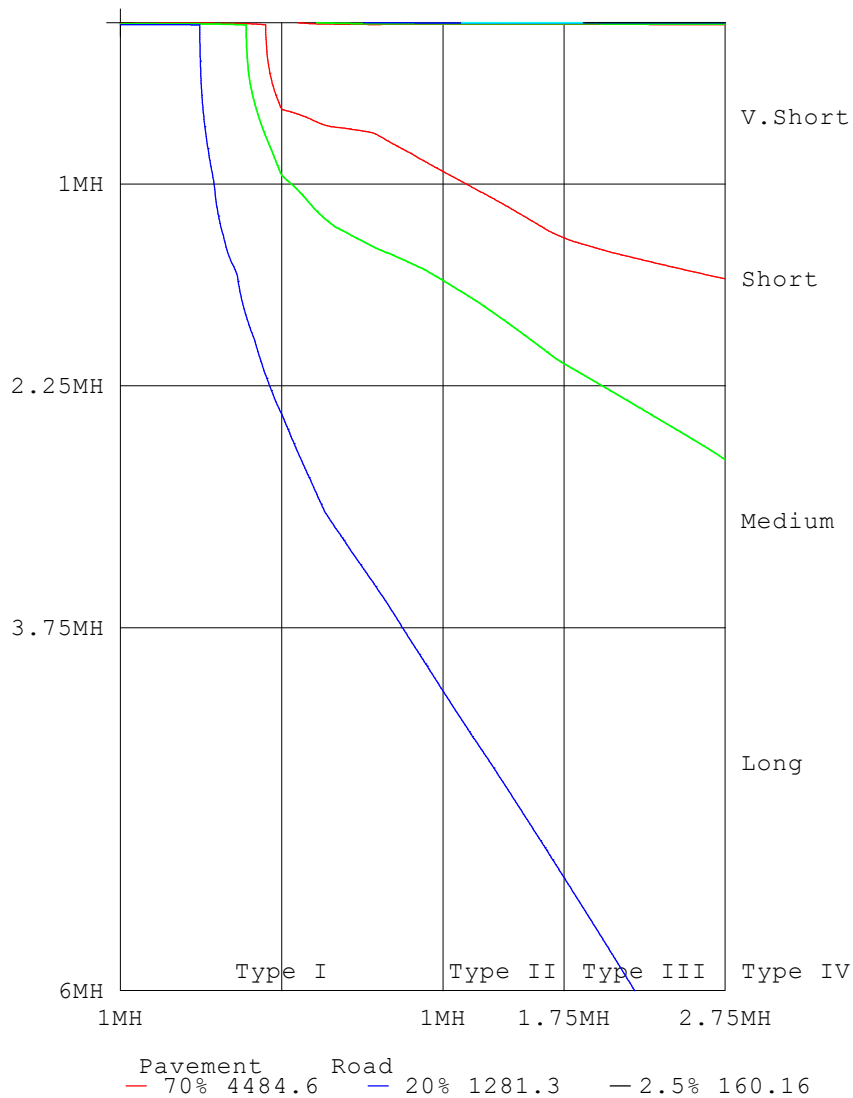
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-12

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:275.76V I:0.4738A P:119.51W PF:0.9148 Freq:60.00Hz Lamp Flux:17233.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-12

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552
5	5534	5537	5539	5542	5545	5549	5552	5556	5559	5562	5565	5568	5572	5576	5577	5577	5578	5579	5581
10	5447	5453	5461	5471	5481	5492	5503	5516	5529	5542	5558	5572	5580	5589	5595	5602	5606	5606	5609
15	5307	5319	5335	5355	5378	5404	5431	5456	5481	5507	5529	5549	5572	5596	5609	5622	5631	5634	5638
20	5063	5085	5114	5150	5194	5244	5293	5348	5400	5452	5477	5486	5496	5501	5515	5523	5528	5531	5531
25	4738	4775	4825	4886	4956	5033	5113	5191	5230	5272	5314	5346	5364	5375	5387	5413	5418	5423	5425
30	4331	4395	4478	4574	4676	4784	4876	4943	5009	5066	5124	5185	5230	5254	5265	5290	5313	5318	5318
35	3891	3988	4106	4243	4392	4510	4597	4688	4784	4871	4946	5013	5168	5316	5432	5535	5629	5668	5681
40	3468	3597	3751	3924	4089	4202	4318	4441	4561	4701	4886	5077	5285	5512	5710	5855	5975	6024	6044
45	3092	3258	3450	3661	3780	3913	4063	4215	4394	4602	4840	5096	5361	5654	5946	6159	6317	6380	6407
50	2745	2947	3177	3367	3494	3646	3815	4000	4215	4467	4749	5065	5382	5677	5967	6162	6288	6329	6348
55	2402	2645	2924	3065	3211	3375	3537	3739	4001	4293	4612	4961	5310	5624	5905	6109	6222	6270	6289
60	1959	2280	2586	2726	2902	3040	3234	3473	3746	4079	4451	4851	5244	5598	5874	6065	6160	6213	6230
65	1511	1880	2161	2365	2510	2686	2906	3181	3486	3852	4280	4724	5073	5357	5543	5664	5708	5735	5738
70	1069	1440	1712	1941	2128	2334	2586	2892	3227	3559	3945	4336	4673	4929	5091	5194	5230	5250	5245
75	703	974	1237	1522	1741	1986	2261	2553	2863	3201	3590	3987	4311	4529	4655	4729	4754	4765	4753
80	447	624	855	1096	1360	1626	1919	2226	2540	2863	3224	3595	3888	4080	4194	4272	4311	4329	4317
85	282	376	550	768	1027	1287	1562	1846	2135	2444	2791	3147	3424	3612	3729	3816	3869	3892	3881
90	169	134	357	530	730	961	1207	1473	1761	2059	2391	2723	2974	3151	3269	3361	3426	3456	3445
95	33.6	44.1	206	383	554	750	961	1188	1435	1693	1982	2272	2489	2642	2744	2824	2882	2908	2900
100	33.6	43.9	140	263	397	567	749	934	1128	1341	1587	1831	2008	2136	2220	2288	2338	2360	2355
105	31.6	53.2	117	179	282	409	564	731	903	1084	1282	1468	1598	1687	1738	1777	1806	1815	1810
110	46.9	35.5	72.1	115	176	275	400	533	681	843	1017	1180	1305	1396	1456	1498	1527	1537	1534
115	85.9	59.3	57.6	53.3	105	157	225	345	475	611	754	896	1017	1110	1176	1221	1248	1260	1258
120	81.8	77.9	76.2	61.2	62.4	111	139	148	261	385	512	634	740	827	895	941	968	982	983
125	64.4	72.5	79.0	73.5	76.4	95.1	120	131	135	149	262	369	464	543	607	652	681	697	700
130	50.1	58.3	65.4	71.5	81.7	97.8	115	123	129	133	136	137	186	260	320	364	395	413	417
135	38.9	46.9	54.1	61.0	74.3	89.4	105	122	129	134	137	139	140	139	138	136	135	136	135
140	31.0	38.8	46.2	53.3	62.5	77.1	92.2	108	125	138	141	144	145	146	146	145	144	143	141
145	25.9	33.2	40.3	47.0	53.5	63.6	77.9	92.5	107	122	136	149	153	154	154	154	152	150	148
150	25.2	31.1	36.9	42.5	47.9	53.0	62.0	75.6	88.8	102	114	125	135	144	151	155	157	156	155
155	25.6	30.4	35.1	39.9	44.7	49.4	54.1	58.7	69.7	80.2	90.2	99.3	107	114	119	122	124	123	123
160	26.2	30.2	34.2	38.1	42.1	45.9	49.7	53.3	56.8	60.1	65.5	72.5	78.7	83.5	87.1	89.5	90.8	91.3	91.2
165	27.0	30.0	33.1	36.1	39.0	41.9	44.7	47.4	49.9	52.3	54.4	56.1	57.3	58.1	58.7	59.2	59.4	59.5	59.5
170	27.4	29.4	31.5	33.5	35.5	37.4	39.1	40.7	42.2	43.6	44.8	45.8	46.7	47.4	48.0	48.4	48.7	48.8	48.8
175	27.5	28.5	29.4	30.4	31.3	32.2	33.0	33.8	34.5	35.2	35.8	36.4	36.9	37.3	37.6	37.9	38.1	38.2	38.2
180	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-12

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552
5	5578	5575	5573	5571	5568	5563	5558	5551	5544	5537	5530	5524	5518	5514	5509	5506	5502	5500	5417
10	5601	5602	5593	5580	5566	5547	5528	5509	5492	5470	5450	5433	5417	5400	5385	5373	5363	5356	5195
15	5628	5623	5606	5575	5545	5514	5479	5443	5407	5374	5340	5304	5270	5237	5205	5178	5157	5142	4908
20	5530	5518	5495	5470	5443	5413	5387	5361	5323	5254	5189	5123	5062	5003	4951	4905	4866	4835	4541
25	5425	5408	5378	5346	5309	5280	5242	5186	5131	5078	5029	4931	4834	4745	4666	4594	4533	4485	4140
30	5319	5301	5265	5224	5193	5143	5079	5008	4939	4858	4782	4705	4612	4489	4374	4263	4166	4088	3709
35	5666	5602	5499	5371	5233	5077	4928	4843	4743	4643	4544	4447	4347	4219	4052	3897	3762	3648	3246
40	6019	5933	5785	5598	5392	5177	4974	4770	4584	4446	4318	4179	4044	3916	3735	3545	3376	3231	2812
45	6370	6256	6048	5787	5510	5244	4976	4723	4488	4280	4082	3903	3736	3593	3462	3243	3047	2875	2448
50	6313	6217	6041	5809	5538	5251	4939	4631	4341	4072	3837	3641	3465	3306	3171	2979	2755	2559	2115
55	6248	6153	5984	5765	5488	5175	4827	4479	4151	3840	3577	3365	3210	3046	2879	2719	2437	2188	1735
60	6184	6096	5950	5738	5456	5099	4701	4291	3912	3580	3312	3070	2889	2740	2547	2390	2062	1724	1323
65	5707	5648	5556	5417	5210	4920	4550	4095	3666	3298	2994	2742	2527	2335	2166	1925	1621	1266	960
70	5224	5170	5091	4971	4791	4521	4160	3753	3361	3014	2685	2397	2155	1940	1724	1463	1166	860	668
75	4742	4696	4632	4541	4401	4160	3812	3398	2999	2646	2337	2059	1800	1553	1295	1033	764	550	466
80	4302	4252	4180	4087	3953	3737	3423	3036	2657	2318	2002	1716	1455	1212	942	698	491	351	334
85	3863	3811	3730	3628	3487	3277	2987	2625	2264	1945	1662	1398	1144	895	660	466	291	234	254
90	3423	3371	3282	3171	3030	2833	2576	2244	1906	1607	1347	1109	880	666	480	313	126	151	177
95	2881	2834	2755	2656	2529	2363	2146	1867	1579	1325	1100	893	696	510	346	181	38.8	33.7	71.1
100	2338	2298	2229	2142	2033	1897	1724	1501	1265	1060	880	707	537	371	241	124	43.3	33.1	42.4
105	1798	1774	1729	1672	1599	1508	1389	1224	1038	864	702	545	396	266	164	120	57.1	31.1	38.3
110	1523	1502	1461	1406	1335	1245	1132	988	827	671	524	388	264	166	115	76.8	40.9	41.1	48.5
115	1248	1229	1193	1141	1073	985	878	749	608	468	337	215	148	102	58.1	55.5	51.5	74.5	70.9
120	974	956	922	872	804	719	619	505	380	255	141	131	104	55.2	57.1	67.7	70.0	78.8	70.6
125	692	673	639	592	528	450	358	255	143	128	126	114	89.3	71.4	70.4	77.2	70.6	63.8	57.7
130	410	391	357	311	252	180	131	131	129	125	119	113	94.5	78.1	68.6	63.7	57.9	50.7	46.6
135	135	135	134	134	135	135	135	133	131	126	119	102	86.5	72.6	59.2	53.6	47.7	40.9	38.0
140	142	143	144	144	144	142	140	138	135	123	106	90.1	74.8	60.2	52.1	46.2	40.0	33.3	31.5
145	148	150	153	153	153	152	148	134	120	105	90.3	75.4	60.8	51.4	46.3	40.8	34.8	28.6	28.3
150	154	154	153	150	143	134	124	112	99.9	87.3	74.1	60.7	51.7	47.0	42.6	38.2	33.6	28.8	28.7
155	122	122	120	118	113	106	98.2	89.1	79.1	68.5	57.6	53.5	49.4	45.3	41.2	37.2	33.2	29.0	28.9
160	90.7	89.6	87.9	85.2	81.5	76.7	70.8	64.0	58.7	55.8	52.8	49.6	46.3	43.0	39.5	36.1	32.6	29.0	29.0
165	59.3	59.1	58.6	57.8	56.9	55.7	54.4	52.9	51.2	49.2	47.1	44.8	42.3	39.7	37.1	34.4	31.7	28.9	29.0
170	48.8	48.5	48.2	47.7	47.1	46.3	45.3	44.3	43.1	41.8	40.4	38.9	37.3	35.7	33.9	32.1	30.3	28.4	28.5
175	38.2	38.1	37.9	37.6	37.3	36.9	36.4	35.9	35.3	34.6	33.9	33.1	32.3	31.5	30.6	29.7	28.8	27.8	27.9
180	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-12

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552
5	5335	5256	5178	5104	5033	4966	4905	4849	4799	4753	4711	4675	4647	4626	4611	4602	4600	4604	4614
10	5038	4886	4740	4601	4465	4337	4220	4115	4015	3927	3851	3785	3734	3693	3665	3651	3648	3657	3679
15	4682	4464	4255	4056	3866	3685	3520	3366	3226	3099	2987	2892	2815	2757	2718	2698	2696	2710	2742
20	4257	3985	3724	3476	3240	3017	2810	2614	2474	2386	2308	2238	2182	2139	2112	2099	2101	2112	2136
25	3809	3493	3188	2899	2626	2363	2221	2091	1972	1864	1768	1686	1616	1561	1525	1506	1505	1517	1544
30	3349	3005	2671	2350	2101	1935	1774	1625	1484	1355	1240	1139	1055	987	941	914	909	920	952
35	2867	2508	2160	1896	1712	1531	1354	1184	1020	866	817	787	762	743	731	725	726	730	739
40	2417	2042	1721	1529	1341	1152	961	809	752	701	657	621	593	569	553	544	543	548	559
45	2040	1642	1403	1202	1004	803	727	662	602	547	498	457	425	397	376	364	361	365	379
50	1700	1371	1151	930	739	655	579	511	448	391	355	335	320	310	301	297	297	299	305
55	1316	1095	901	710	608	515	435	364	332	305	281	263	250	242	236	232	232	235	241
60	985	834	675	577	473	375	325	286	253	227	204	187	178	173	169	168	168	171	177
65	765	633	532	436	354	292	241	203	172	151	145	142	143	145	145	146	147	148	151
70	568	485	398	329	270	208	160	150	142	135	128	125	125	125	125	125	125	126	128
75	417	354	304	245	193	163	146	137	128	119	111	108	107	106	105	104	104	104	105
80	303	268	224	178	142	128	124	125	116	108	101	99.1	98.3	97.6	97.0	96.4	96.3	96.1	96.2
85	235	199	157	129	118	119	117	115	107	99.9	94.3	92.6	91.7	90.9	90.0	89.2	88.8	88.2	88.0
90	178	144	112	116	125	123	113	105	97.3	91.7	87.7	86.2	85.1	84.1	83.0	82.1	81.2	80.4	79.7
95	95.4	85.6	96.4	114	113	104	94.1	89.1	84.0	79.4	77.1	76.4	75.8	75.1	74.3	73.5	72.6	71.7	70.9
100	51.1	70.1	92.6	97.0	91.7	83.0	75.5	73.5	70.4	67.1	66.6	66.6	66.5	66.1	65.5	64.9	64.0	63.1	62.1
105	55.6	86.3	83.9	72.7	66.5	65.1	62.4	59.8	58.5	57.0	57.4	57.8	57.7	57.4	56.9	56.3	55.4	54.6	53.6
110	73.7	76.4	68.0	60.4	55.6	51.7	47.9	47.6	48.2	49.1	50.4	51.4	51.9	52.1	52.0	51.7	51.1	50.4	49.5
115	67.5	58.9	53.3	49.1	45.7	42.3	40.2	39.6	40.4	41.7	43.8	45.3	46.3	46.9	47.2	47.1	46.8	46.2	45.4
120	61.1	50.1	42.2	42.2	37.7	33.6	34.8	35.9	37.3	38.7	40.0	40.9	41.7	42.2	42.5	42.6	42.5	42.1	41.5
125	50.4	44.5	40.0	35.6	32.4	31.3	31.7	33.0	34.7	36.2	37.5	38.6	39.4	40.0	40.3	40.4	40.3	40.0	39.5
130	41.7	37.3	33.9	30.5	28.3	29.3	30.5	31.8	32.9	34.1	35.2	36.3	37.2	37.7	38.1	38.2	38.2	37.9	37.5
135	34.6	30.7	28.5	27.6	27.9	28.4	29.6	30.7	31.8	32.8	33.8	34.6	35.2	35.6	35.9	36.1	36.0	35.9	35.5
140	29.5	27.9	27.3	27.7	28.2	28.6	29.1	29.8	30.7	31.7	32.5	33.1	33.7	34.0	34.3	34.4	34.4	34.3	34.0
145	28.1	28.0	27.9	28.1	28.5	28.9	29.3	29.7	30.1	30.5	31.2	31.7	32.1	32.5	32.7	32.8	32.8	32.7	32.4
150	28.6	28.6	28.6	28.6	28.7	29.0	29.4	29.7	30.0	30.3	30.6	30.7	30.9	31.0	31.1	31.2	31.2	31.2	31.0
155	28.9	28.9	28.9	28.9	29.0	29.1	29.4	29.6	29.8	30.0	30.1	30.2	30.3	30.4	30.5	30.5	30.5	30.5	30.4
160	29.1	29.1	29.1	29.2	29.2	29.2	29.3	29.3	29.4	29.5	29.6	29.7	29.7	29.8	29.8	29.9	29.9	29.9	29.8
165	29.0	29.0	29.0	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.2	29.2	29.2	29.2	29.1
170	28.5	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.7	28.7	28.7	28.6
175	27.9	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
180	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-12

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552	5552				
5	4632	4658	4689	4725	4768	4817	4871	4931	4996	5064	5136	5212	5290	5370	5452				
10	3713	3760	3819	3891	3973	4065	4168	4281	4403	4535	4674	4819	4969	5125	5284				
15	2791	2859	2945	3048	3169	3305	3455	3619	3796	3986	4184	4392	4610	4836	5069				
20	2174	2227	2295	2377	2471	2577	2731	2943	3169	3410	3660	3918	4188	4470	4762				
25	1589	1653	1735	1832	1944	2074	2222	2375	2540	2816	3102	3401	3714	4040	4382				
30	1004	1078	1173	1288	1423	1573	1736	1907	2083	2266	2524	2859	3207	3565	3938				
35	755	779	808	845	902	1075	1258	1448	1643	1845	2052	2340	2705	3081	3475				
40	578	605	638	679	730	787	852	1021	1235	1452	1672	1898	2232	2622	3032				
45	402	432	468	513	567	629	697	771	858	1091	1320	1543	1803	2221	2647				
50	315	327	342	363	402	467	539	616	705	802	1017	1271	1526	1872	2293				
55	250	259	272	291	316	346	383	463	557	660	775	994	1229	1492	1928				
60	183	190	199	216	240	268	304	348	403	513	630	747	951	1150	1518				
65	153	153	153	157	163	185	217	258	314	383	480	596	720	888	1133				
70	130	130	132	137	144	151	159	170	221	290	361	447	555	667	804				
75	107	109	111	116	124	134	143	155	172	204	262	334	402	486	565				
80	96.7	97.3	98.3	102	108	118	128	133	137	152	185	238	296	345	395				
85	88.0	88.0	88.4	90.2	95.1	102	111	116	120	121	126	156	206	249	274				
90	79.2	78.7	78.4	78.4	81.3	86.5	93.3	101	113	122	110	99.2	126	162	164				
95	70.1	69.3	68.5	67.8	68.7	71.6	76.5	80.8	88.6	97.5	104	85.9	70.1	80.2	66.2				
100	61.1	59.9	58.5	57.2	56.3	56.7	59.5	60.5	67.4	76.9	90.4	96.0	75.4	50.3	42.4				
105	52.6	51.4	50.2	49.0	47.8	47.2	49.5	52.5	56.4	63.1	72.8	85.3	93.5	70.4	43.8				
110	48.5	47.3	45.9	44.4	42.8	41.1	41.1	42.8	46.8	52.5	59.9	69.5	81.9	91.2	75.6				
115	44.4	43.2	41.7	39.9	38.1	36.5	35.4	36.7	39.5	43.2	49.2	57.6	67.2	79.4	87.5				
120	40.7	39.8	38.6	37.3	35.9	34.4	32.8	31.9	33.0	36.3	40.9	46.5	55.1	63.9	73.9				
125	38.7	37.8	36.7	35.5	34.1	32.5	30.7	29.3	29.2	30.8	33.4	38.3	44.4	50.8	58.6				
130	36.7	35.9	34.9	33.7	32.5	31.2	29.8	28.4	27.0	26.6	28.5	31.8	35.5	40.5	46.1				
135	34.9	34.1	33.3	32.5	31.4	30.2	29.0	27.7	26.4	25.7	25.7	26.8	28.8	32.6	36.3				
140	33.5	32.8	32.1	31.2	30.4	29.4	28.3	27.4	26.7	26.0	25.3	24.8	25.7	27.6	29.6				
145	32.0	31.5	30.8	30.1	29.3	28.8	28.2	27.6	27.0	26.4	25.8	25.4	25.4	25.6	26.0				
150	30.7	30.5	30.0	29.6	29.1	28.7	28.2	27.7	27.2	26.7	26.4	26.1	26.0	25.8	25.7				
155	30.2	30.0	29.7	29.3	28.9	28.6	28.2	27.8	27.4	27.2	26.9	26.7	26.6	26.4	26.3				
160	29.6	29.5	29.3	29.1	28.8	28.5	28.2	28.0	27.7	27.5	27.4	27.2	27.1	26.9	26.8				
165	29.1	29.0	28.8	28.7	28.6	28.4	28.3	28.1	27.9	27.7	27.6	27.5	27.4	27.3	27.2				
170	28.6	28.5	28.5	28.4	28.3	28.2	28.1	28.0	27.9	27.8	27.8	27.7	27.6	27.5	27.4				
175	28.1	28.1	28.0	28.0	28.0	27.9	27.9	27.8	27.8	27.7	27.7	27.6	27.6	27.5	27.5				
180	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6				

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-12

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.200m [K=1.0000]
Remarks: