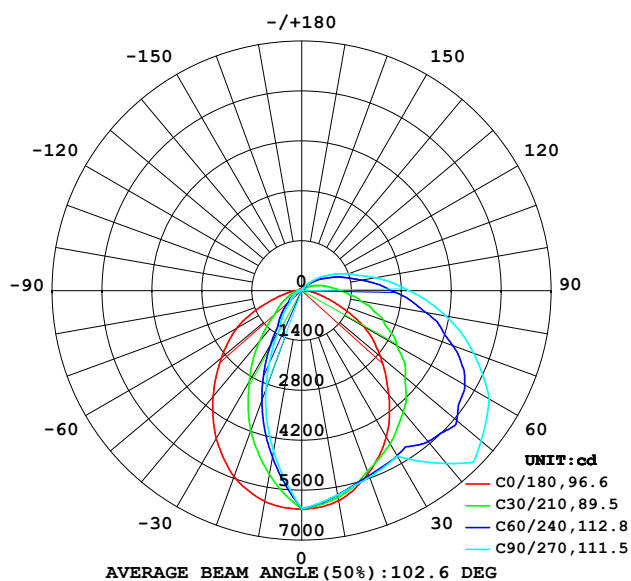
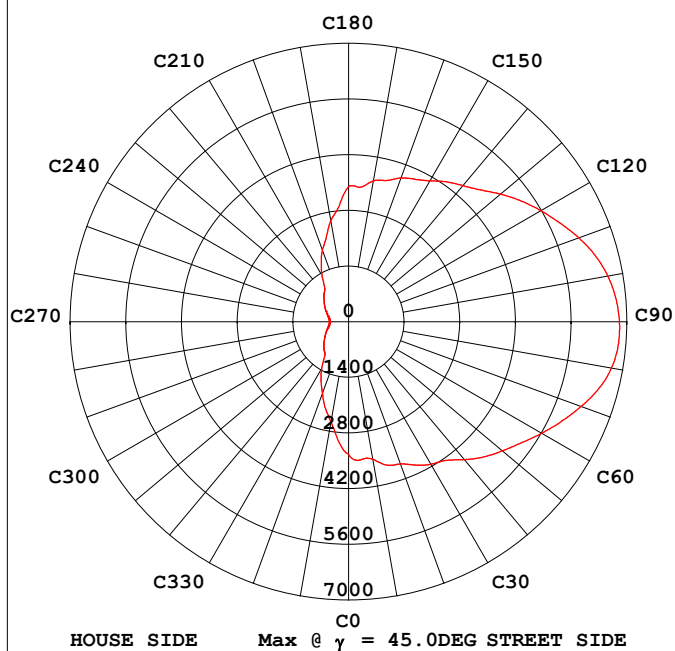


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.77V I:0.4518A P:123.92W PF:0.9945 Freq:0Hz Lamp Flux:17923.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:HAVELLS LIGHTING LLC	SUR.:	Shielding Angle:

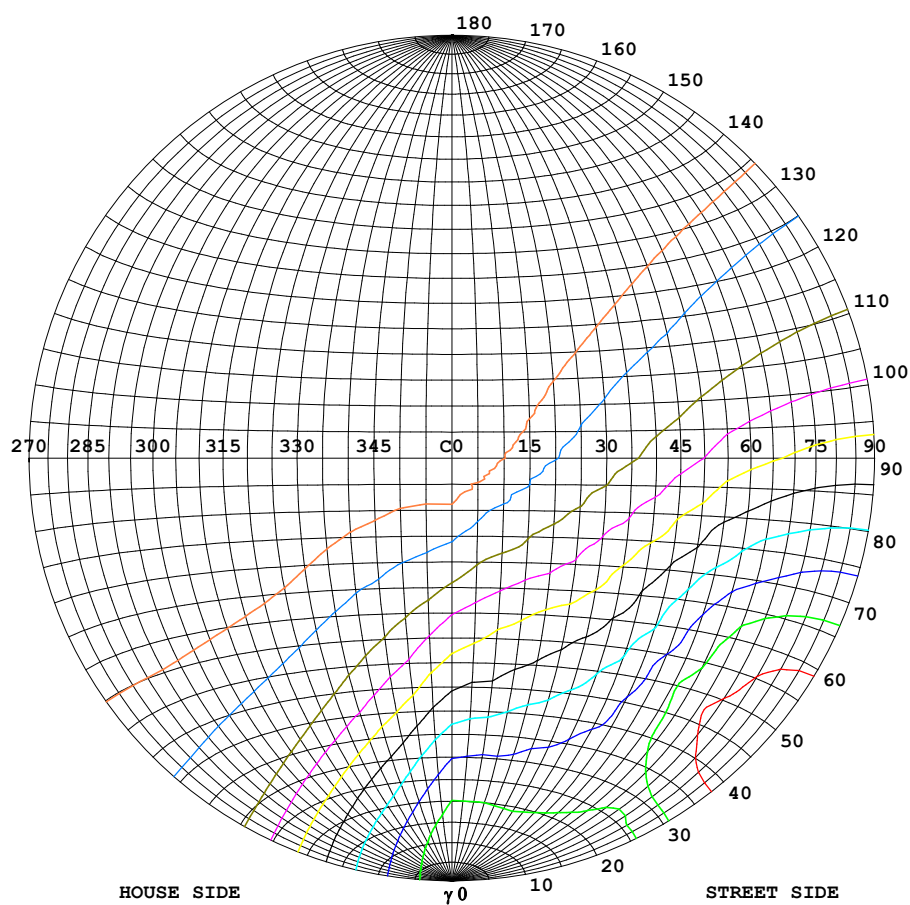
DATA OF LAMP		PHOTOMETRIC DATA				Eff: 144.64 lm/W
MODEL	HL-WP-MW-MCCT-120W-PS-HV-Gen2	Imax (cd)	6811	η street_up (%)	10.3	
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	69.2	
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	17923	η house_up (%)	0.9	
NOMINAL FLUX (lm)	17923.3	MAXIMUM @ (C, γ)	90, 45.0	η house_down (%)	19.6	
LAMPS INSIDE	1	η up (%)	11.2	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	277	η down (%)	88.8	SLI	21.332	

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:2025-06-10

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



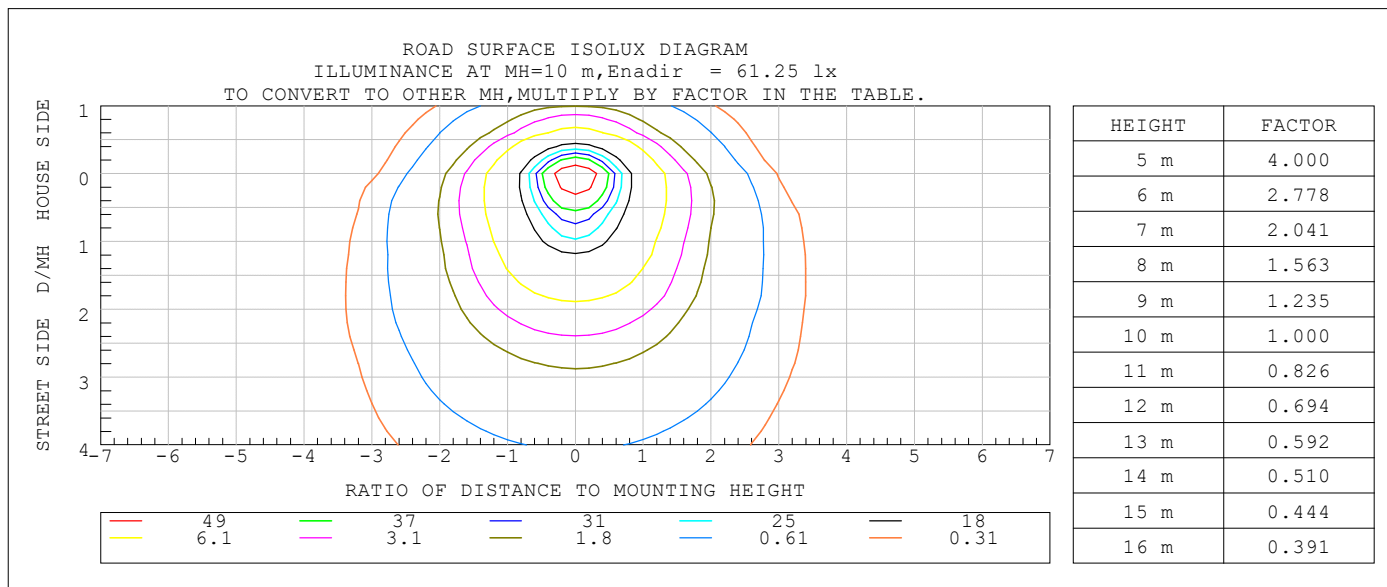
Classification:

IES:Type IV - Very Short
CIE:Broad - Short
IES:None cut-off
CIE:Non-cut-off
Max.At80:229.1cd/klm
Max.At90:168.0cd/klm
Max.80-90:229.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6811
90%	6130
80%	5449
70%	4768
60%	4087
50%	3405
40%	2724
30%	2043
20%	1362
10%	681
5%	341

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-10

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:2025-06-10

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:

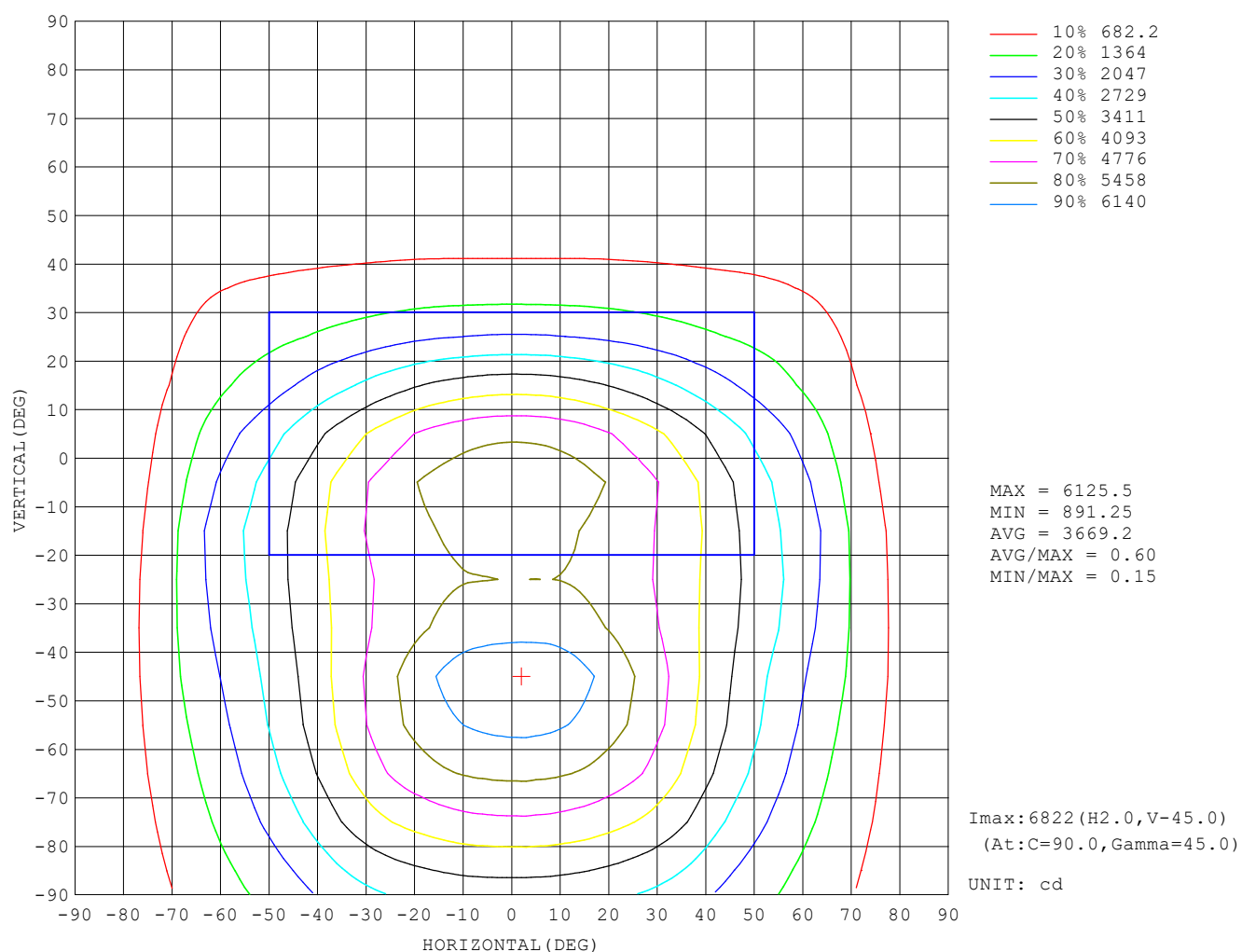
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5980	5846	5820	5854	6002	4955	4571	4969	0- 10	544.1	544.1	3.04,3.04
20	5458	5467	5567	5519	5560	3653	2946	3678	10- 20	1428	1972	11,11
30	4739	5151	5366	5181	4793	2306	1253	2299	20- 30	1956	3928	21.9,21.9
40	3802	4849	6332	4844	3868	1096	739.0	1090	30- 40	2218	6147	34.3,34.3
50	2885	4572	6569	4599	2943	676.4	409.8	671.0	40- 50	2390	8536	47.6,47.6
60	2007	4051	6078	4073	2098	380.8	265.3	373.1	50- 60	2348	10884	60.7,60.7
70	965.0	3463	5129	3424	1068	189.9	163.0	182.1	60- 70	2106	12990	72.5,72.5
80	378.5	2639	4106	2594	428.6	137.9	105.3	138.2	70- 80	1685	14675	81.9,81.9
90	181.0	1782	3010	1845	191.8	115.6	92.20	106.9	80- 90	1238	15913	88.8,88.8
100	31.85	1218	2110	1195	32.81	88.19	73.33	66.48	90-100	840.6	16754	93.5,93.5
110	28.57	781.2	1393	768.0	29.71	56.70	57.89	46.97	100-110	535.6	17290	96.5,96.5
120	62.81	470.8	862.1	466.9	67.62	39.92	45.87	36.59	110-120	322.7	17612	98.3,98.3
130	54.46	232.6	494.4	231.4	56.92	32.29	41.07	30.85	120-130	173.0	17785	99.2,99.2
140	39.39	51.97	221.2	54.80	40.69	29.68	36.74	29.05	130-140	78.50	17864	99.7,99.7
150	26.56	39.94	42.26	40.10	27.15	29.10	32.89	28.93	140-150	31.46	17895	99.8,99.8
160	25.20	42.80	44.21	40.54	26.04	28.69	30.85	28.84	150-160	15.64	17911	99.9,99.9
170	26.78	35.93	39.17	35.68	27.34	28.48	29.11	28.56	160-170	9.401	17920	100,100
180	27.14	27.14	27.14	27.14	27.67	27.67	27.67	27.67	170-180	2.886	17923	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:2025-06-10

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:

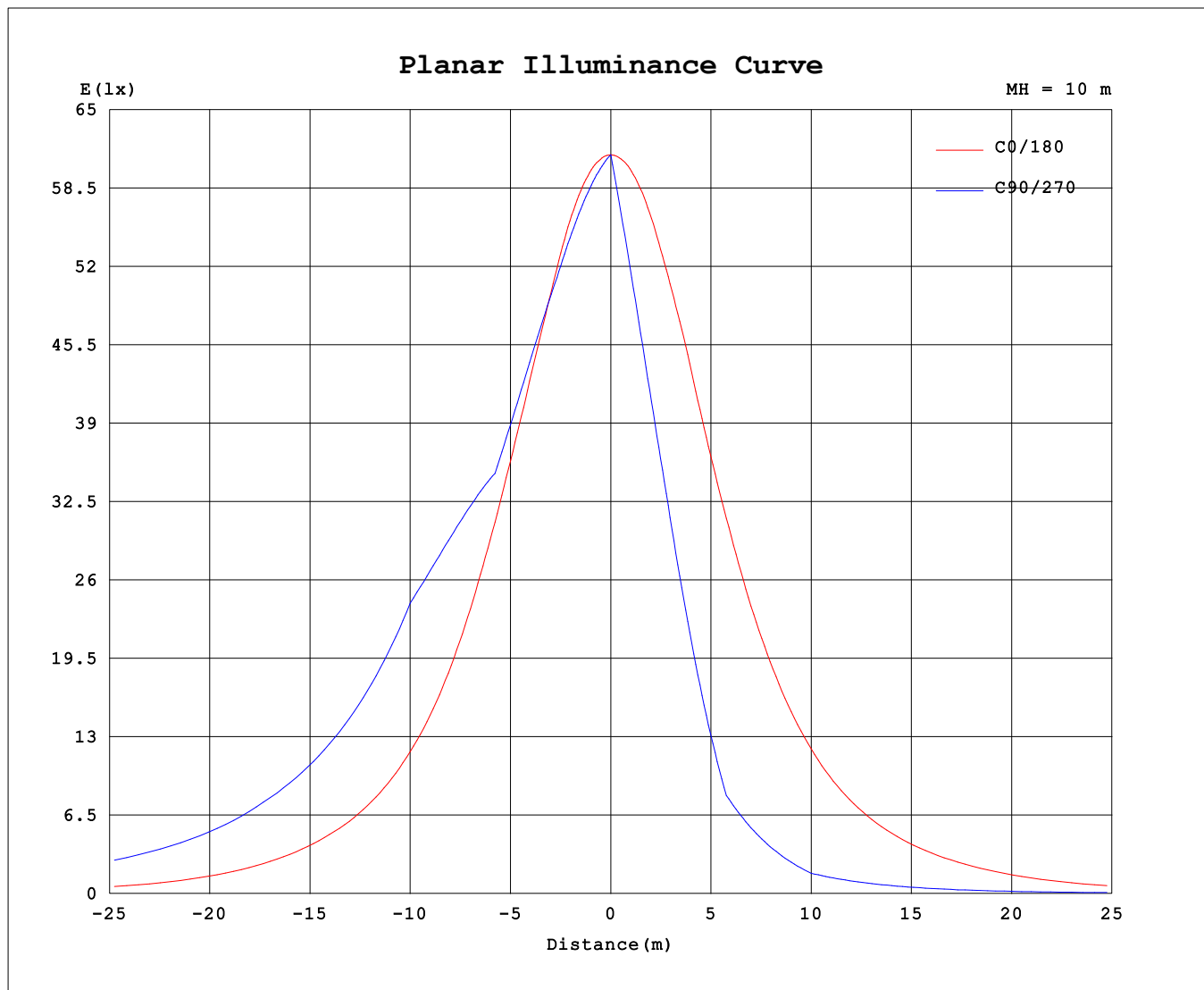
ISOCANDELA DIAGRAM



H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-06-10

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

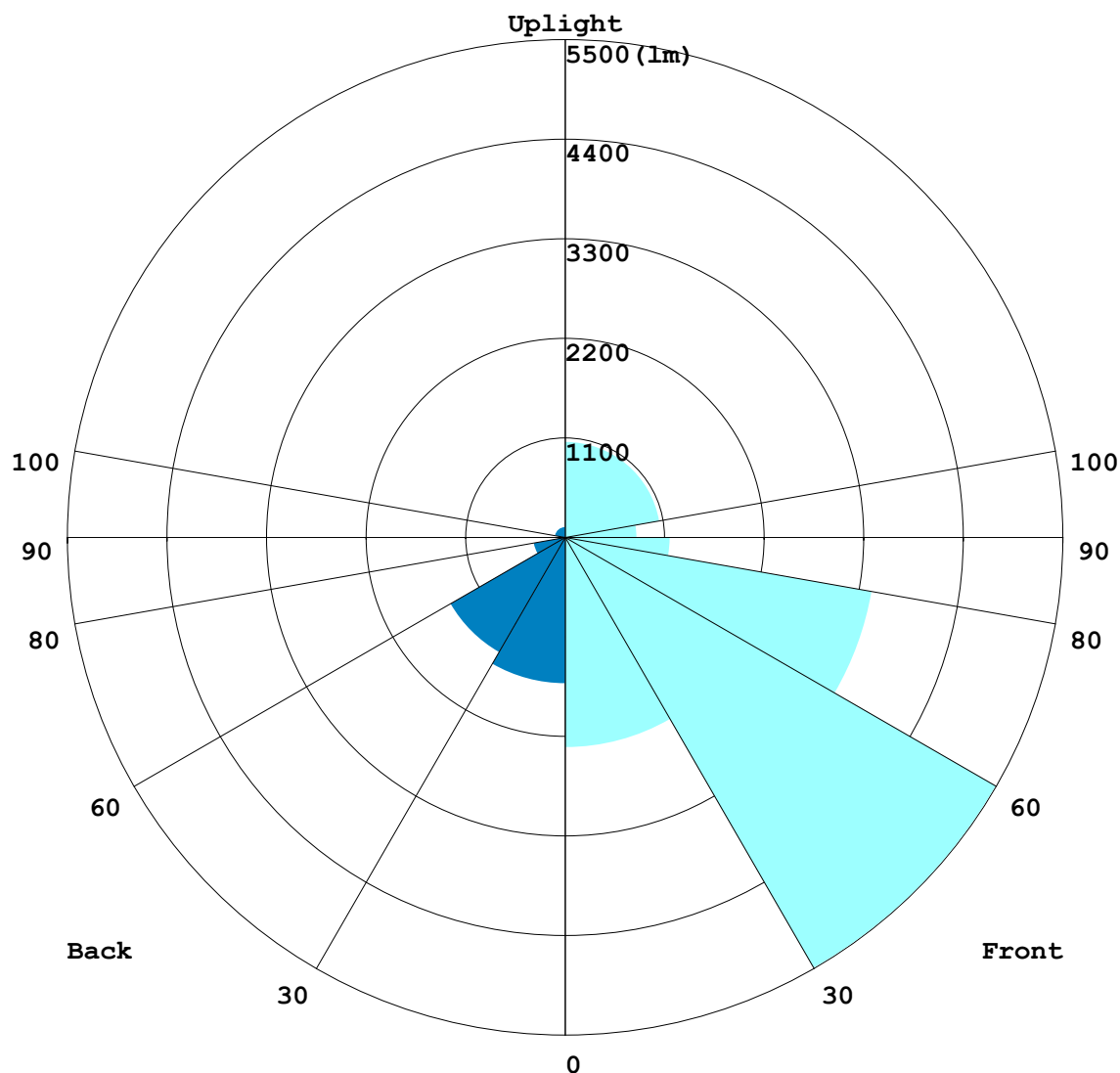


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-10

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:275.77V I:0.4518A P:123.92W PF:0.9945 Freq:0Hz Lamp Flux:17923.3x1 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:2025-06-10

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:275.77V I:0.4518A P:123.92W PF:0.9945 Freq:0Hz Lamp Flux:17923.3x1 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)	2316.3	12.9
FM - Front-Medium(30-60)	5491.6	30.6
FH - Front-High(60-80)	3439	19.2
FVH - Front-Very High(80-90)	1156.8	6.5
Total Forward Light	14249	79.5

BL - Back-Low(0-30)	1611.8	9.0
BM - Back-Medium(30-60)	1464.6	8.2
BH - Back-High(60-80)	352.32	2.0
BVH - Back-Very High(80-90)	81.17	0.5
Total Back Light	3674.7	20.5

UL - Uplight-Low(90-100)	840.56	4.7
UH - Uplight-High(100-180)	1169.2	6.5
Total Up Light	2009.8	11.2

BUG(Back,Up,Glare) Rating	B3-U4-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3509.9	164.82	3674.7
Street Side	12404	1845	14249

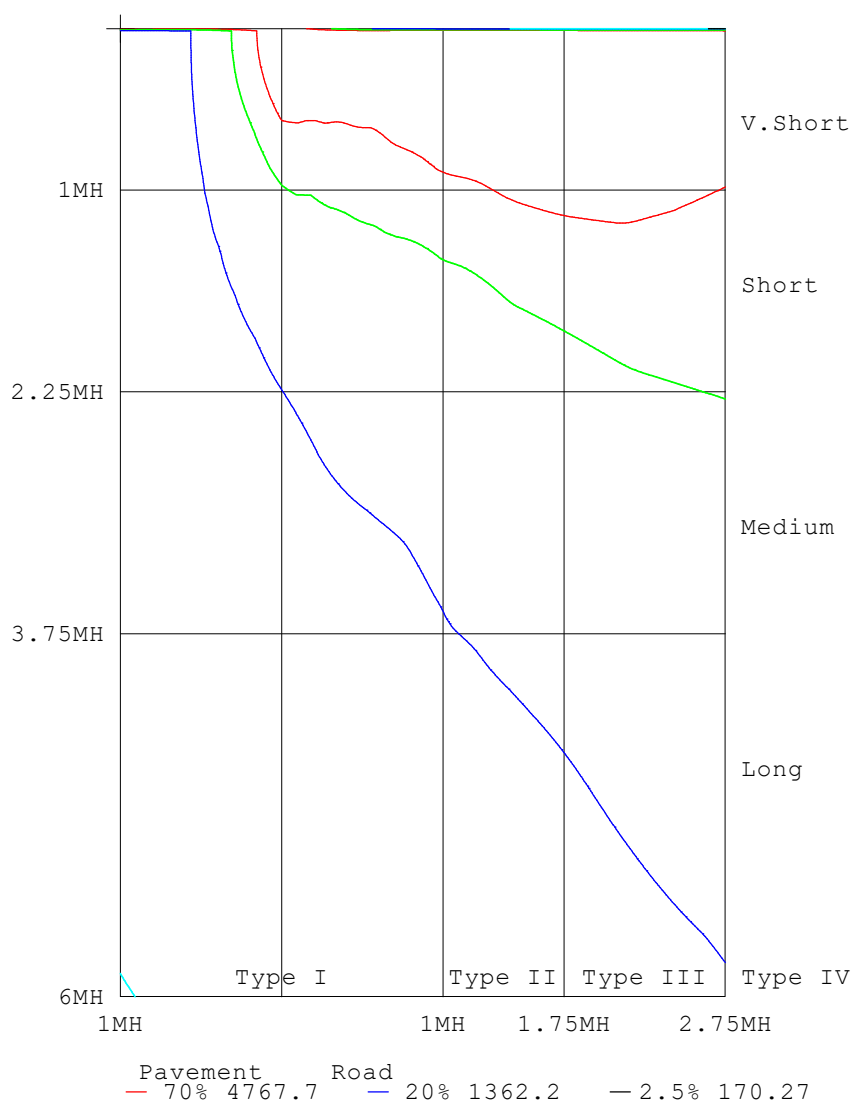
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-10

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:275.77V I:0.4518A P:123.92W PF:0.9945 Freq:0Hz Lamp Flux:17923.3x1 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:2025-06-10

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	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125
5	6094	6081	6069	6057	6046	6035	6026	6017	6009	6003	5997	5992	5987	5983	5980	5977	5975	5974	5973
10	5980	5960	5942	5926	5912	5900	5888	5871	5857	5846	5835	5826	5818	5813	5812	5812	5814	5817	5820
15	5756	5740	5729	5722	5715	5694	5678	5666	5657	5656	5655	5653	5652	5649	5649	5655	5661	5667	5670
20	5458	5450	5450	5448	5423	5405	5399	5418	5441	5467	5492	5512	5526	5537	5545	5546	5550	5559	5567
25	5134	5138	5153	5137	5121	5136	5173	5210	5249	5288	5328	5383	5432	5460	5473	5470	5462	5466	5466
30	4739	4783	4821	4809	4841	4907	4961	5005	5063	5151	5233	5298	5349	5385	5404	5407	5387	5368	5366
35	4297	4381	4420	4435	4551	4634	4690	4806	4931	5022	5100	5176	5328	5495	5637	5750	5811	5841	5846
40	3802	3938	3978	4098	4237	4284	4438	4594	4697	4849	5084	5316	5525	5726	5935	6122	6256	6322	6332
45	3332	3491	3512	3736	3807	3979	4142	4261	4530	4810	5053	5311	5612	5919	6230	6513	6715	6808	6811
50	2885	3054	3149	3319	3457	3650	3794	4059	4294	4572	4967	5366	5678	5923	6144	6344	6492	6563	6569
55	2468	2640	2826	2933	3172	3307	3519	3686	4027	4441	4765	5084	5418	5714	5953	6140	6267	6320	6324
60	2007	2234	2469	2648	2802	2965	3092	3427	3702	4051	4509	4941	5281	5547	5761	5915	6007	6056	6078
65	1464	1755	1990	2197	2387	2517	2754	3020	3440	3831	4223	4631	4971	5210	5382	5496	5565	5596	5605
70	965	1315	1568	1780	1932	2106	2438	2747	3078	3463	3872	4223	4506	4713	4873	4996	5069	5114	5129
75	612	868	1097	1347	1521	1786	2064	2412	2684	2987	3356	3742	4043	4253	4415	4535	4610	4647	4654
80	379	582	787	987	1194	1442	1678	1995	2327	2639	2969	3293	3541	3718	3863	3976	4050	4093	4106
85	249	372	515	680	934	1132	1352	1622	1903	2196	2512	2819	3048	3216	3350	3451	3516	3548	3558
90	181	143	332	487	657	858	1069	1297	1533	1782	2048	2313	2514	2670	2797	2894	2959	2995	3010
95	48.4	60.8	221	382	543	700	875	1079	1289	1510	1743	1965	2137	2273	2384	2466	2521	2550	2560
100	31.9	54.7	164	301	422	564	709	878	1046	1218	1399	1574	1721	1842	1942	2018	2070	2099	2110
105	29.0	58.4	147	231	330	438	561	707	841	982	1131	1270	1384	1476	1549	1602	1636	1653	1660
110	28.6	66.7	112	170	246	336	443	542	645	781	914	1029	1127	1210	1280	1333	1368	1387	1393
115	34.1	40.0	64.8	104	165	241	327	421	519	610	695	778	871	952	1019	1070	1104	1123	1128
120	62.8	45.4	41.1	62.1	75.8	147	225	303	387	471	552	622	682	735	782	819	844	858	862
125	65.4	55.6	53.6	54.6	46.0	53.0	130	204	272	333	402	465	520	569	610	642	663	675	678
130	54.5	56.5	61.1	59.3	46.5	34.2	43.2	116	178	233	279	316	357	400	435	462	481	492	494
135	46.4	49.7	55.1	57.5	49.5	42.5	38.0	35.6	89.8	140	183	220	249	272	288	299	307	310	311
140	39.4	42.6	47.0	50.4	50.6	46.2	42.5	39.9	38.6	52.0	92.4	127	155	178	195	208	216	220	221
145	32.7	35.8	39.5	43.4	45.7	45.5	43.4	41.6	40.5	40.0	40.2	40.7	64.3	86.4	104	117	126	130	132
150	26.6	29.7	32.8	36.4	39.3	41.3	41.6	40.7	40.1	39.9	40.6	41.4	42.1	42.7	43.2	43.2	42.9	42.4	42.3
155	24.2	26.9	29.5	32.0	34.3	36.0	37.6	39.6	40.3	41.0	41.6	42.5	43.3	44.0	44.2	44.0	43.6	43.3	43.3
160	25.2	27.0	28.9	30.7	32.5	34.2	36.2	38.3	40.6	42.8	44.1	44.6	45.0	45.2	45.1	44.8	44.6	44.3	44.2
165	26.1	27.6	29.2	30.8	32.3	33.8	35.3	36.7	38.2	39.7	41.2	42.5	43.4	44.0	44.5	44.8	45.0	45.1	45.2
170	26.8	27.9	29.0	30.1	31.2	32.3	33.3	34.2	35.1	35.9	36.7	37.3	37.8	38.3	38.6	38.9	39.1	39.2	39.2
175	27.1	27.6	28.2	28.7	29.2	29.7	30.2	30.6	31.0	31.4	31.8	32.1	32.4	32.6	32.8	33.0	33.1	33.1	33.2
180	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-10

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	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125
5	5973	5974	5976	5978	5981	5984	5989	5994	6001	6008	6017	6026	6036	6048	6060	6073	6086	6100	6031
10	5822	5827	5830	5832	5834	5837	5842	5848	5854	5861	5868	5876	5891	5908	5927	5950	5975	6002	5862
15	5675	5671	5667	5671	5677	5682	5689	5696	5704	5709	5706	5702	5700	5699	5715	5740	5770	5805	5597
20	5571	5568	5563	5563	5561	5557	5544	5528	5519	5514	5511	5512	5499	5482	5466	5483	5517	5560	5281
25	5463	5459	5459	5463	5460	5445	5427	5403	5361	5324	5287	5275	5263	5232	5177	5134	5155	5191	4850
30	5362	5361	5364	5373	5353	5311	5256	5217	5181	5154	5104	5037	4992	4956	4886	4791	4772	4793	4397
35	5817	5762	5689	5578	5433	5277	5136	5059	4988	4913	4867	4811	4710	4623	4561	4411	4327	4339	3900
40	6295	6217	6097	5911	5682	5436	5200	5012	4844	4702	4551	4460	4386	4225	4122	4002	3854	3868	3397
45	6748	6621	6426	6166	5875	5587	5300	4995	4693	4472	4297	4094	3955	3851	3678	3601	3392	3398	2898
50	6538	6468	6338	6131	5864	5558	5214	4891	4599	4251	3955	3805	3596	3463	3324	3195	2997	2943	2449
55	6291	6217	6094	5916	5685	5413	5084	4692	4287	3971	3709	3420	3308	3078	2999	2835	2641	2518	2038
60	6065	6013	5916	5758	5518	5187	4790	4426	4073	3679	3306	3128	2872	2781	2600	2500	2301	2098	1643
65	5585	5541	5467	5351	5192	4961	4664	4225	3746	3344	3064	2742	2530	2360	2294	2135	1897	1596	1206
70	5122	5086	5010	4887	4720	4468	4130	3749	3424	3133	2739	2391	2188	1955	1751	1528	1297	1068	778
75	4639	4600	4514	4394	4248	4040	3749	3402	3038	2671	2322	2092	1812	1584	1331	1110	890	690	552
80	4101	4074	4002	3895	3761	3570	3292	2943	2594	2271	1995	1746	1455	1214	955	739	555	429	387
85	3550	3520	3450	3348	3217	3041	2795	2494	2199	1921	1663	1422	1157	893	714	508	314	281	298
90	3008	2988	2933	2847	2734	2583	2379	2116	1845	1588	1348	1122	907	700	520	353	169	192	206
95	2555	2530	2474	2390	2279	2137	1951	1725	1499	1286	1087	898	700	511	376	199	43.9	36.1	82.0
100	2105	2084	2037	1964	1866	1740	1582	1392	1195	1013	860	712	551	407	279	140	53.1	32.8	45.8
105	1655	1638	1603	1548	1474	1381	1268	1134	986	833	683	554	432	320	215	144	66.3	30.5	35.7
110	1389	1373	1339	1285	1214	1125	1018	894	768	644	536	431	334	237	168	117	75.1	29.7	39.0
115	1123	1104	1068	1016	948	868	777	692	600	507	418	322	236	165	99.4	63.4	41.6	35.9	64.3
120	858	845	819	781	733	677	614	544	467	383	295	222	149	72.3	65.5	38.8	46.7	67.6	69.7
125	675	662	640	607	566	518	463	399	326	267	202	129	53.4	49.8	57.0	51.3	58.6	66.1	62.5
130	491	481	462	435	399	356	315	277	231	177	115	45.1	36.2	49.2	62.3	63.7	60.1	56.9	53.9
135	311	308	300	288	271	248	219	184	141	91.3	39.0	40.2	44.1	52.0	61.8	56.9	54.0	48.3	46.5
140	220	216	208	195	178	155	128	94.2	54.8	41.5	42.3	44.3	47.6	53.1	52.1	48.7	45.5	40.7	39.4
145	131	126	117	104	86.9	65.2	42.2	41.9	41.9	42.0	42.6	44.0	46.6	46.7	43.4	41.0	37.7	33.6	32.9
150	42.5	42.8	42.8	42.8	42.3	41.8	41.2	40.6	40.1	40.0	40.7	42.0	41.5	38.9	36.4	34.1	30.7	27.1	27.2
155	43.5	43.7	43.7	43.6	43.2	42.6	41.8	40.9	39.7	38.5	38.0	36.8	35.3	33.6	31.8	29.7	27.2	25.1	25.3
160	44.3	44.4	44.6	44.7	44.4	43.8	42.9	42.0	40.5	38.7	36.9	35.2	33.4	31.6	30.0	28.5	27.0	26.0	26.2
165	45.1	45.0	44.7	44.3	43.7	42.8	41.6	40.3	39.0	37.6	36.0	34.5	33.0	31.5	30.1	28.8	27.6	26.8	26.9
170	39.1	39.0	38.8	38.5	38.1	37.7	37.1	36.4	35.7	34.8	33.8	32.8	31.8	30.8	29.8	28.8	27.8	27.3	27.4
175	33.1	33.1	33.0	32.8	32.6	32.4	32.1	31.8	31.4	31.0	30.6	30.2	29.7	29.2	28.7	28.2	27.7	27.6	27.7
180	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.7	27.7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-10

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	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125
5	5963	5897	5832	5770	5712	5656	5605	5557	5513	5475	5441	5412	5388	5369	5356	5349	5347	5351	5360
10	5725	5593	5466	5347	5234	5134	5040	4955	4878	4809	4748	4695	4651	4616	4591	4576	4571	4575	4591
15	5396	5203	5022	4865	4718	4582	4454	4330	4215	4114	4026	3952	3893	3848	3816	3798	3793	3801	3824
20	5013	4768	4564	4370	4184	3991	3815	3653	3509	3383	3272	3177	3096	3032	2986	2957	2946	2955	2983
25	4527	4273	4043	3804	3562	3339	3156	2984	2819	2657	2512	2388	2284	2202	2144	2110	2099	2112	2149
30	4046	3777	3495	3198	2944	2729	2521	2306	2103	1919	1755	1609	1485	1384	1311	1267	1253	1266	1310
35	3547	3258	2909	2622	2390	2134	1875	1642	1426	1222	1153	1107	1067	1035	1012	999	996	999	1013
40	3067	2722	2380	2125	1835	1553	1296	1096	1029	968	914	865	821	785	759	744	739	743	759
45	2592	2188	1930	1634	1337	1057	958	877	807	744	683	627	578	537	506	488	482	487	505
50	2099	1752	1491	1194	949	848	760	676	595	520	477	455	438	425	416	412	410	410	415
55	1639	1393	1108	880	766	668	572	483	442	410	385	365	352	345	341	339	338	337	339
60	1275	1051	832	707	598	490	428	381	342	313	290	273	264	265	266	266	265	263	260
65	968	786	658	548	444	371	313	269	238	217	211	206	205	209	213	214	214	213	211
70	669	585	497	415	335	253	196	190	184	178	170	164	162	163	164	163	163	162	162
75	500	430	376	306	233	194	173	161	151	140	130	123	119	116	114	112	112	113	114
80	364	324	273	213	162	144	143	138	127	118	111	108	107	106	106	105	105	105	105
85	279	242	187	141	127	132	134	128	118	111	105	102	101	100	99.7	99.3	98.8	98.6	98.3
90	208	169	125	123	138	136	125	116	108	102	97.5	96.3	95.3	94.5	93.6	92.9	92.2	91.7	91.1
95	112	102	102	120	122	119	109	102	96.1	90.9	87.4	86.5	85.8	85.1	84.4	83.7	82.9	82.2	81.3
100	57.1	66.1	92.7	108	103	99.0	93.1	88.2	82.7	78.7	76.6	76.3	75.9	75.4	74.8	74.2	73.3	72.4	71.3
105	48.8	72.2	92.6	85.6	77.8	75.6	73.5	71.4	68.8	67.1	66.6	66.8	66.7	66.3	65.7	65.0	64.1	63.1	61.9
110	62.9	84.1	78.7	68.7	63.2	57.5	55.4	56.7	56.5	56.1	57.1	58.1	58.7	58.9	58.9	58.5	57.9	57.1	56.0
115	78.7	71.2	65.0	56.6	52.0	48.6	47.3	46.6	45.2	45.8	48.1	49.8	51.1	51.9	52.3	52.3	52.0	51.4	50.4
120	69.0	61.0	50.7	48.0	43.7	39.7	39.8	39.9	40.1	41.6	42.9	44.1	45.0	45.6	45.9	46.1	45.9	45.5	44.8
125	56.9	49.3	45.1	39.8	38.0	35.5	35.1	34.4	36.2	38.2	39.8	41.1	42.1	42.8	43.3	43.6	43.5	43.3	42.7
130	47.7	43.3	39.4	36.2	32.2	31.4	31.4	32.3	33.8	35.2	36.7	38.2	39.4	40.2	40.8	41.1	41.1	40.8	40.3
135	41.1	38.1	34.5	31.8	29.3	28.3	29.2	30.7	32.3	33.7	35.0	36.1	37.0	37.7	38.3	38.6	38.7	38.5	38.1
140	36.0	33.0	30.6	28.4	27.5	27.6	28.5	29.7	31.0	32.1	33.3	34.4	35.3	35.9	36.4	36.7	36.7	36.6	36.2
145	30.9	28.2	26.8	26.0	26.7	27.6	28.3	29.2	30.1	31.0	31.9	32.8	33.5	34.0	34.5	34.7	34.8	34.7	34.5
150	26.9	26.3	26.0	26.2	26.8	27.7	28.4	29.1	29.8	30.4	31.0	31.6	32.0	32.4	32.7	32.9	32.9	32.8	32.6
155	25.6	26.0	26.5	26.9	27.2	27.7	28.3	29.0	29.6	30.0	30.5	30.8	31.2	31.5	31.7	31.8	31.9	31.8	31.7
160	26.4	26.7	27.0	27.4	27.8	28.1	28.4	28.7	29.0	29.4	29.8	30.1	30.4	30.6	30.7	30.8	30.8	30.8	30.7
165	27.1	27.3	27.5	27.7	28.0	28.2	28.5	28.7	28.9	29.1	29.3	29.4	29.6	29.7	29.7	29.8	29.8	29.8	29.8
170	27.5	27.7	27.8	27.9	28.0	28.2	28.3	28.5	28.6	28.7	28.8	28.9	29.0	29.0	29.1	29.1	29.1	29.1	29.1
175	27.8	27.8	27.9	27.9	28.0	28.0	28.1	28.2	28.2	28.3	28.3	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.4
180	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-10

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	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125	6125				
5	5374	5394	5419	5449	5483	5521	5564	5611	5662	5716	5774	5834	5897	5961	6027				
10	4614	4648	4693	4749	4814	4887	4969	5058	5157	5264	5371	5483	5601	5724	5851				
15	3858	3906	3969	4039	4118	4210	4316	4436	4577	4730	4892	5066	5231	5399	5574				
20	3033	3100	3179	3278	3397	3534	3678	3815	3968	4137	4336	4555	4790	5008	5228				
25	2210	2289	2387	2508	2643	2795	2976	3171	3381	3575	3781	4020	4300	4590	4855				
30	1385	1485	1612	1762	1930	2109	2299	2501	2737	2995	3241	3484	3779	4128	4434				
35	1036	1067	1105	1149	1212	1277	1359	1459	1577	1714	1871	2049	2248	2469	2714				
40	786	821	866	916	970	1027	1090	1301	1581	1846	2108	2426	2725	3073	3479				
45	536	577	625	679	740	808	883	958	1049	1354	1642	1929	2261	2559	3005				
50	423	436	454	475	519	592	671	760	853	948	1222	1503	1802	2111	2532				
55	342	349	363	382	406	438	478	565	664	775	883	1141	1389	1706	2083				
60	256	258	269	286	309	337	373	420	483	594	713	820	1066	1291	1613				
65	205	202	203	206	209	228	261	304	364	440	538	654	761	910	1128				
70	160	161	163	169	175	179	182	187	246	325	405	481	579	675	777				
75	117	120	124	132	141	151	159	168	187	231	298	360	414	476	522				
80	106	107	108	112	119	128	138	147	149	164	208	261	310	348	376				
85	98.3	98.4	98.9	101	107	114	123	130	130	127	137	175	234	261	284				
90	90.6	90.2	90.0	90.9	95.0	100	107	116	129	128	109	119	164	195	190				
95	80.5	79.6	78.7	78.1	80.1	82.8	86.4	92.5	101	108	102	81.8	82.8	108	77.4				
100	70.2	68.8	67.4	66.0	66.1	67.0	66.5	69.5	76.3	86.2	93.3	83.0	60.3	48.7	43.0				
105	60.6	59.2	57.6	56.0	55.3	56.3	56.3	58.9	61.8	68.1	75.7	84.0	74.0	46.1	34.5				
110	54.7	53.2	51.5	49.7	47.8	47.2	47.0	48.5	51.2	55.1	62.3	68.1	76.8	66.4	40.1				
115	49.2	47.6	45.7	43.5	40.9	40.2	40.5	41.7	44.1	45.7	50.3	56.4	65.6	72.5	59.2				
120	44.0	42.8	41.5	40.1	38.5	36.6	36.6	36.8	37.1	40.0	42.1	47.2	53.3	61.6	66.9				
125	41.8	40.7	39.4	37.8	36.1	34.2	32.5	33.0	34.0	34.8	36.9	40.1	46.6	51.0	58.5				
130	39.5	38.5	37.3	35.9	34.3	32.6	30.9	30.2	30.5	31.5	33.3	36.5	39.7	44.7	49.0				
135	37.5	36.6	35.5	34.3	32.9	31.5	30.1	28.4	28.0	29.0	30.8	33.1	34.8	39.7	42.2				
140	35.7	35.0	34.1	33.1	31.9	30.5	29.1	27.9	27.1	26.9	28.1	28.9	31.6	34.4	36.5				
145	34.0	33.4	32.6	31.6	30.6	29.8	29.0	28.2	27.2	26.3	25.7	26.1	28.0	29.3	30.9				
150	32.4	32.0	31.5	31.0	30.4	29.7	28.9	28.1	27.4	26.8	26.2	25.8	25.7	25.7	26.2				
155	31.5	31.3	30.9	30.4	29.9	29.4	28.8	28.3	27.8	27.2	26.7	26.2	25.9	25.6	25.2				
160	30.6	30.4	30.2	29.9	29.6	29.2	28.8	28.4	28.0	27.6	27.3	27.0	26.7	26.4	26.1				
165	29.7	29.7	29.5	29.4	29.2	29.0	28.7	28.5	28.2	28.0	27.8	27.6	27.4	27.1	26.9				
170	29.1	29.0	28.9	28.9	28.8	28.7	28.6	28.4	28.3	28.2	28.0	27.9	27.7	27.6	27.5				
175	28.4	28.3	28.3	28.3	28.3	28.2	28.1	28.1	28.0	28.0	27.9	27.8	27.8	27.8	27.7				
180	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7				

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-10

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: