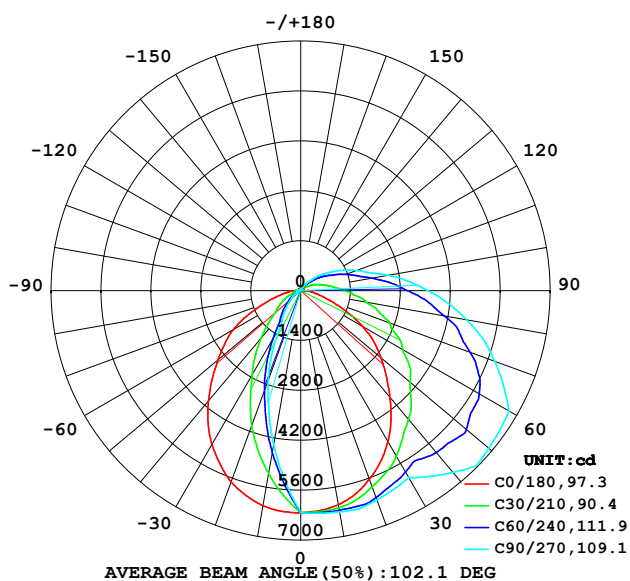
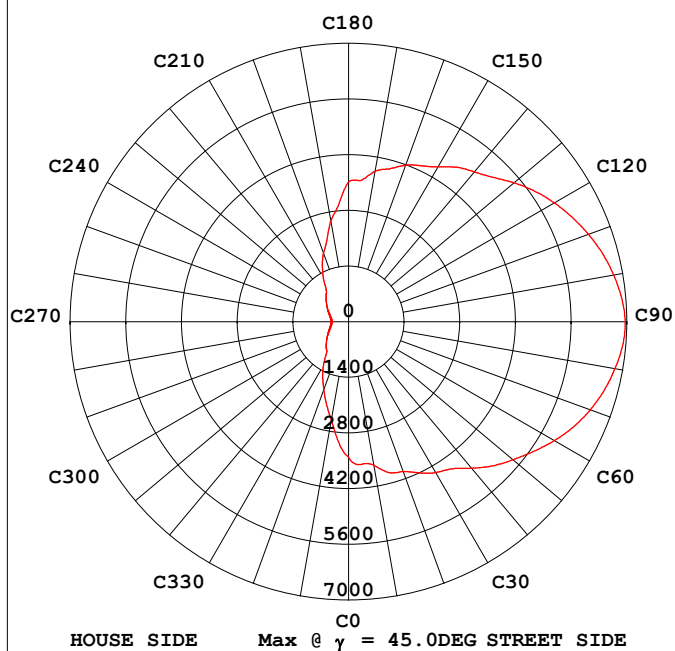


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.79V I:0.4994A P:127.28W PF:0.9241 Freq:60.07Hz Lamp Flux:19318.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:HAVELLS LIGHTING LLC	SUR.:	Shielding Angle:

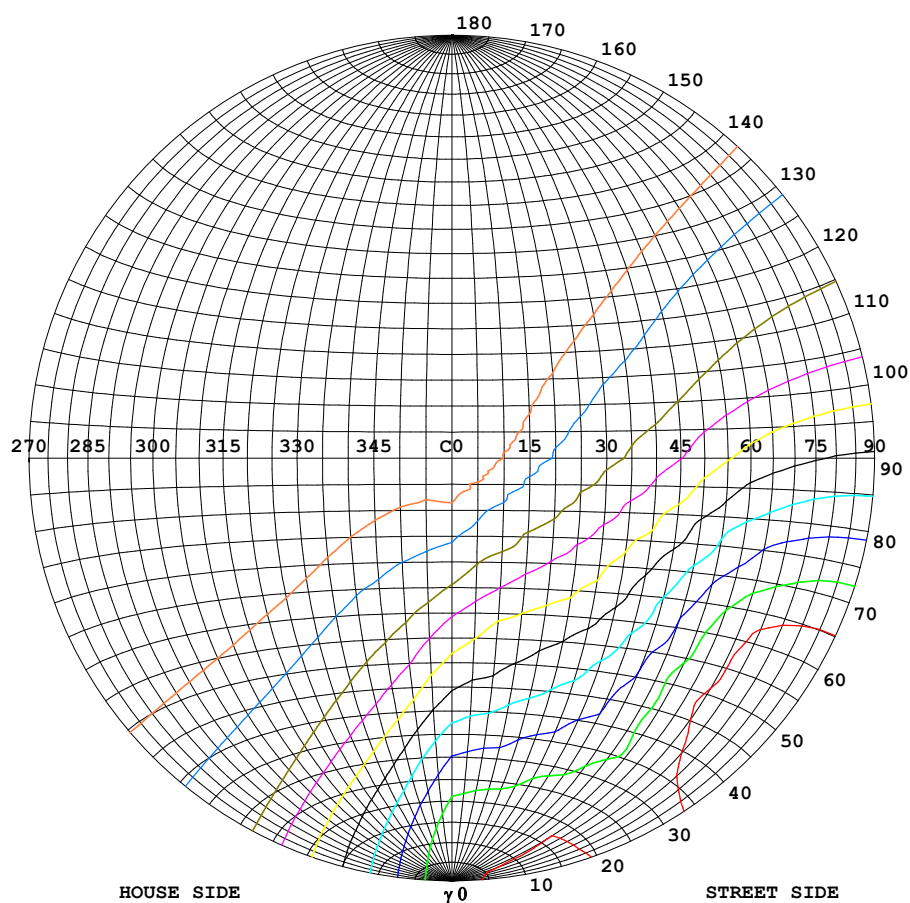
DATA OF LAMP		PHOTOMETRIC DATA				Eff: 151.78 lm/W
MODEL	HL-WP-MW-MCCT-120W-PS-Gen2	Imax (cd)	6956	η street_up (%)	11.4	
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	70.3	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	19318	η house_up (%)	0.9	
NOMINAL FLUX (lm)	19318.1	MAXIMUM @ (C, γ)	90, 45.0	η house_down (%)	17.3	
LAMPS INSIDE	1	η up (%)	12.3	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	87.7	SLI	21.361	

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:2025-06-06

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



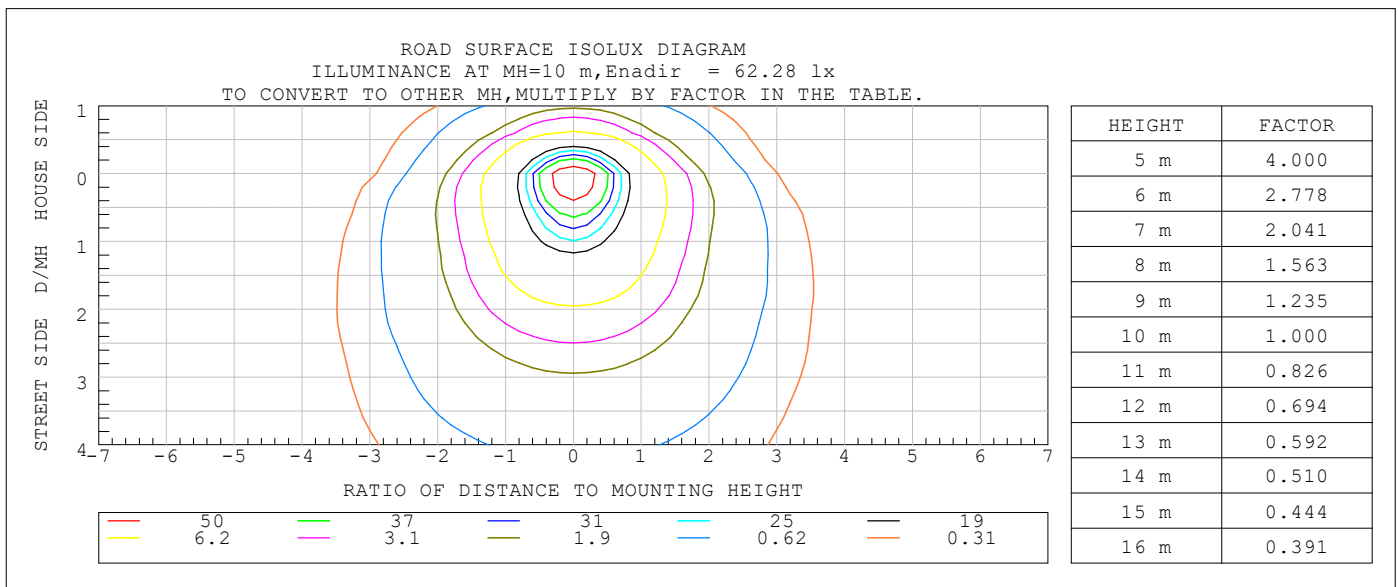
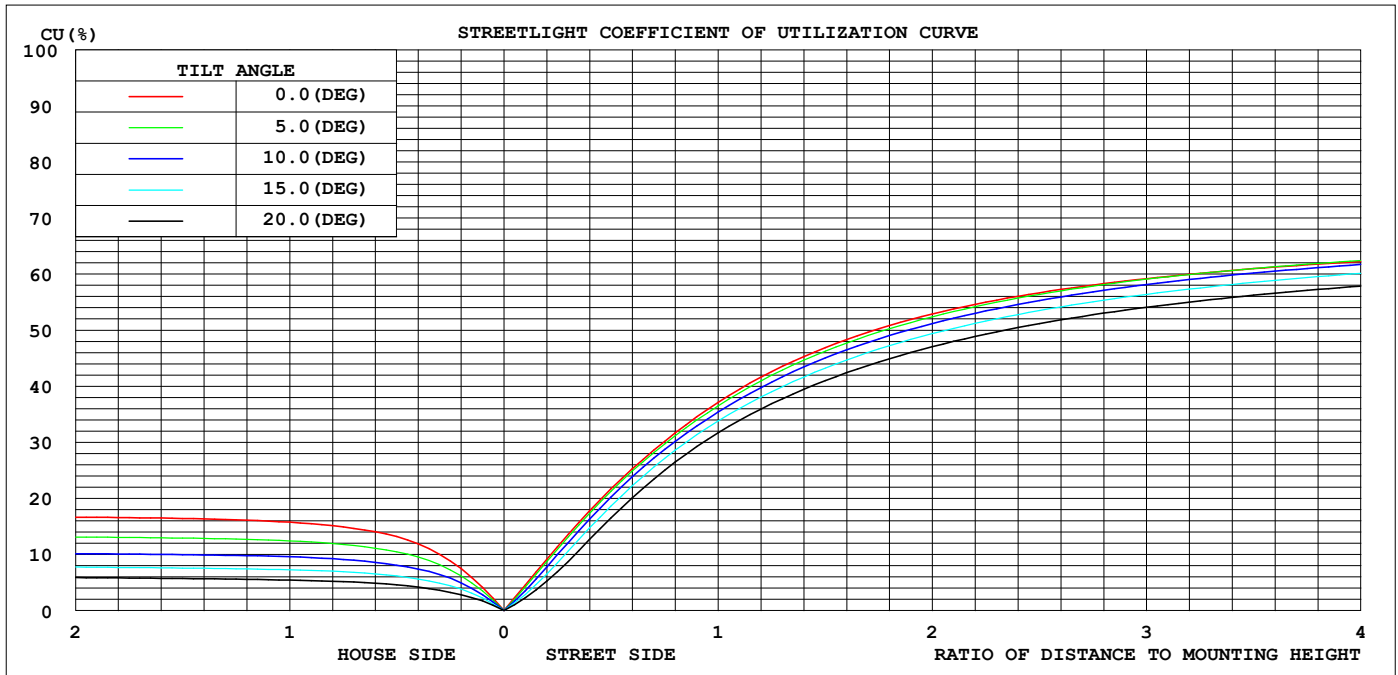
Classification:

IES:Type IV - Very Short
CIE:Broad - Short
IES:None cut-off
CIE:Non-cut-off
Max.At80:245.0cd/klm
Max.At90:185.1cd/klm
Max.80-90:245.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6956
90%	6260
80%	5564
70%	4869
60%	4173
50%	3478
40%	2782
30%	2087
20%	1391
10%	696
5%	348

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

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:2025-06-06

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:

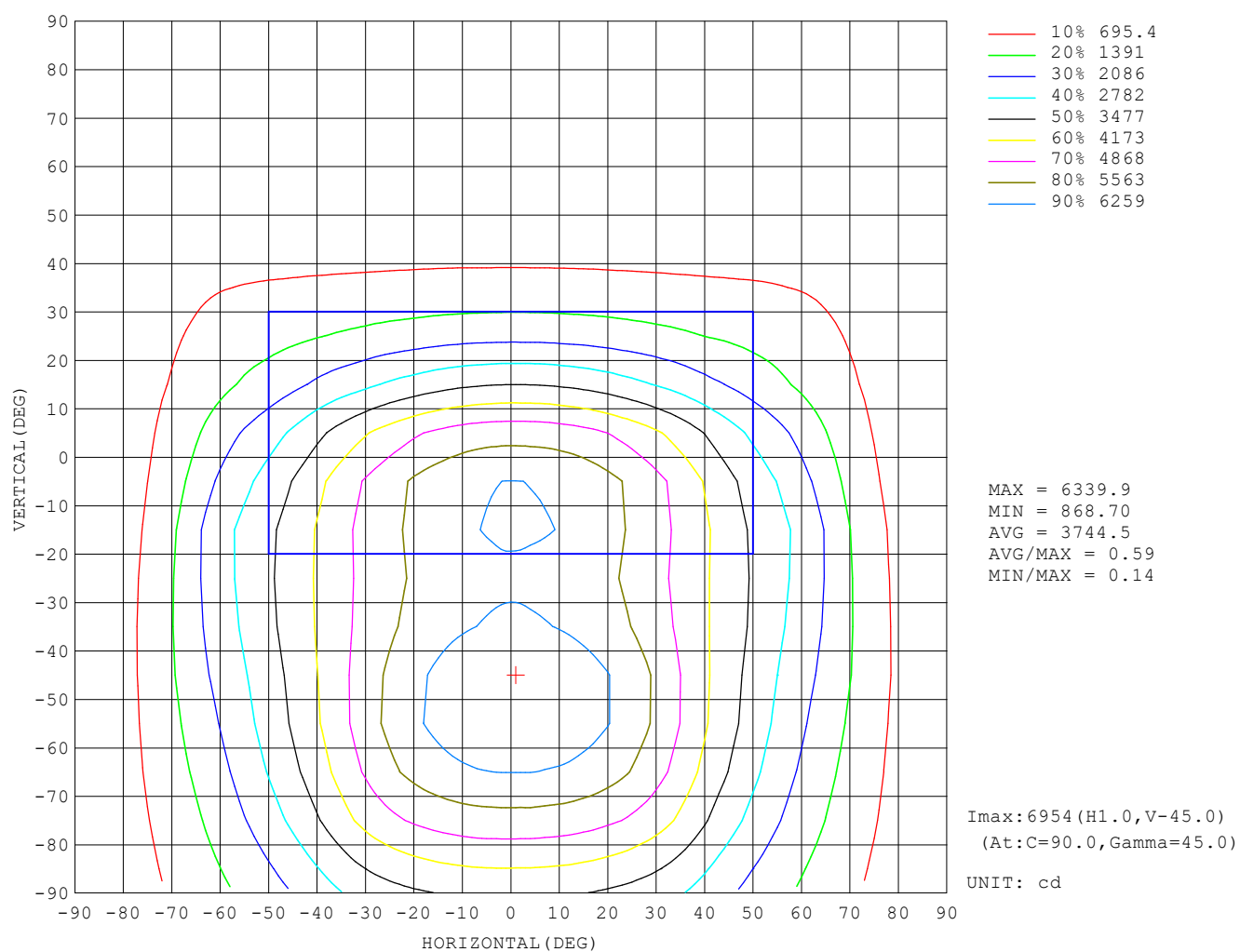
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	6097	6221	6303	6217	6126	4867	4386	4870	0- 10	556.0	556.0	2.88,2.88
20	5634	6090	6247	6028	5711	3369	2674	3397	10- 20	1472	2028	10.5,10.5
30	4893	5619	6061	5683	4982	2094	1090	2089	20- 30	2031	4058	21,21
40	3894	5159	6656	5315	4025	990.0	656.0	980.2	30- 40	2306	6364	32.9,32.9
50	2950	4882	6885	5036	3038	619.3	338.4	610.1	40- 50	2478	8842	45.8,45.8
60	2005	4374	6750	4521	2177	329.3	137.2	324.6	50- 60	2487	11329	58.6,58.6
70	969.5	3814	5788	3870	1129	147.0	123.9	147.8	60- 70	2290	13619	70.5,70.5
80	392.1	2999	4729	3012	463.8	142.5	109.5	143.3	70- 80	1891	15509	80.3,80.3
90	198.9	2062	3572	2188	200.7	119.1	93.92	107.6	80- 90	1428	16937	87.7,87.7
100	33.06	1393	2501	1405	34.46	86.94	73.80	65.63	90-100	982.6	17920	92.8,92.8
110	31.81	922.3	1670	934.6	30.57	55.60	58.29	47.72	100-110	628.3	18548	96,96
120	56.67	573.1	1078	586.9	75.05	39.06	47.39	36.79	110-120	390.5	18939	98,98
130	61.61	290.5	630.5	296.3	63.01	33.41	42.63	32.07	120-130	214.2	19153	99.1,99.1
140	44.39	65.64	288.0	65.69	39.74	30.89	38.31	30.59	130-140	96.54	19249	99.6,99.6
150	29.75	50.02	50.15	48.44	27.18	30.79	34.43	30.79	140-150	36.89	19286	99.8,99.8
160	27.00	52.44	53.60	50.80	27.97	30.84	32.83	31.01	150-160	17.88	19304	99.9,99.9
170	28.68	41.84	46.54	41.47	29.47	30.63	31.27	30.73	160-170	10.71	19315	100,100
180	28.98	28.98	28.98	28.98	29.78	29.78	29.78	29.78	170-180	3.190	19318	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:2025-06-06

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:

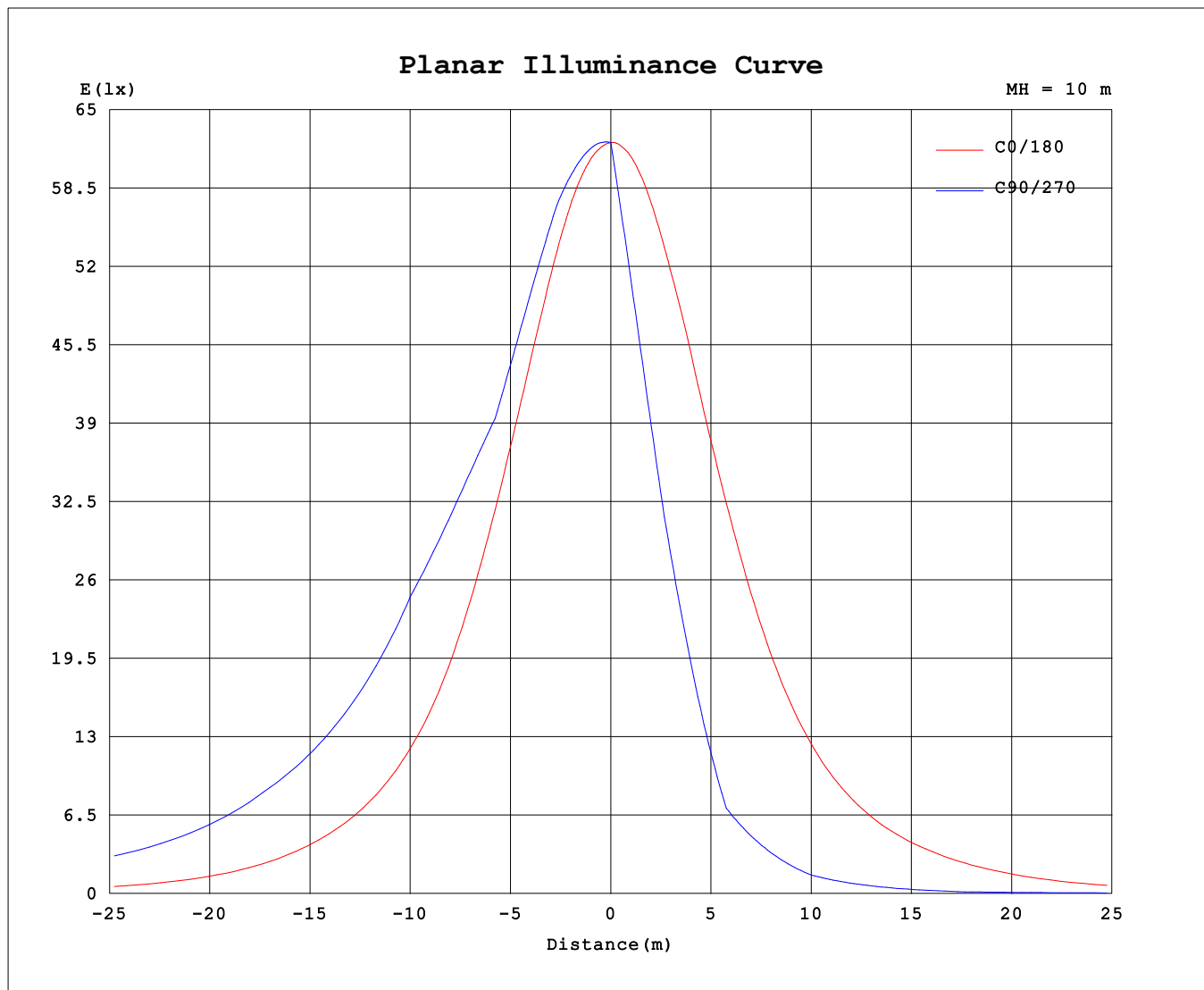
ISOCANDELA DIAGRAM



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

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



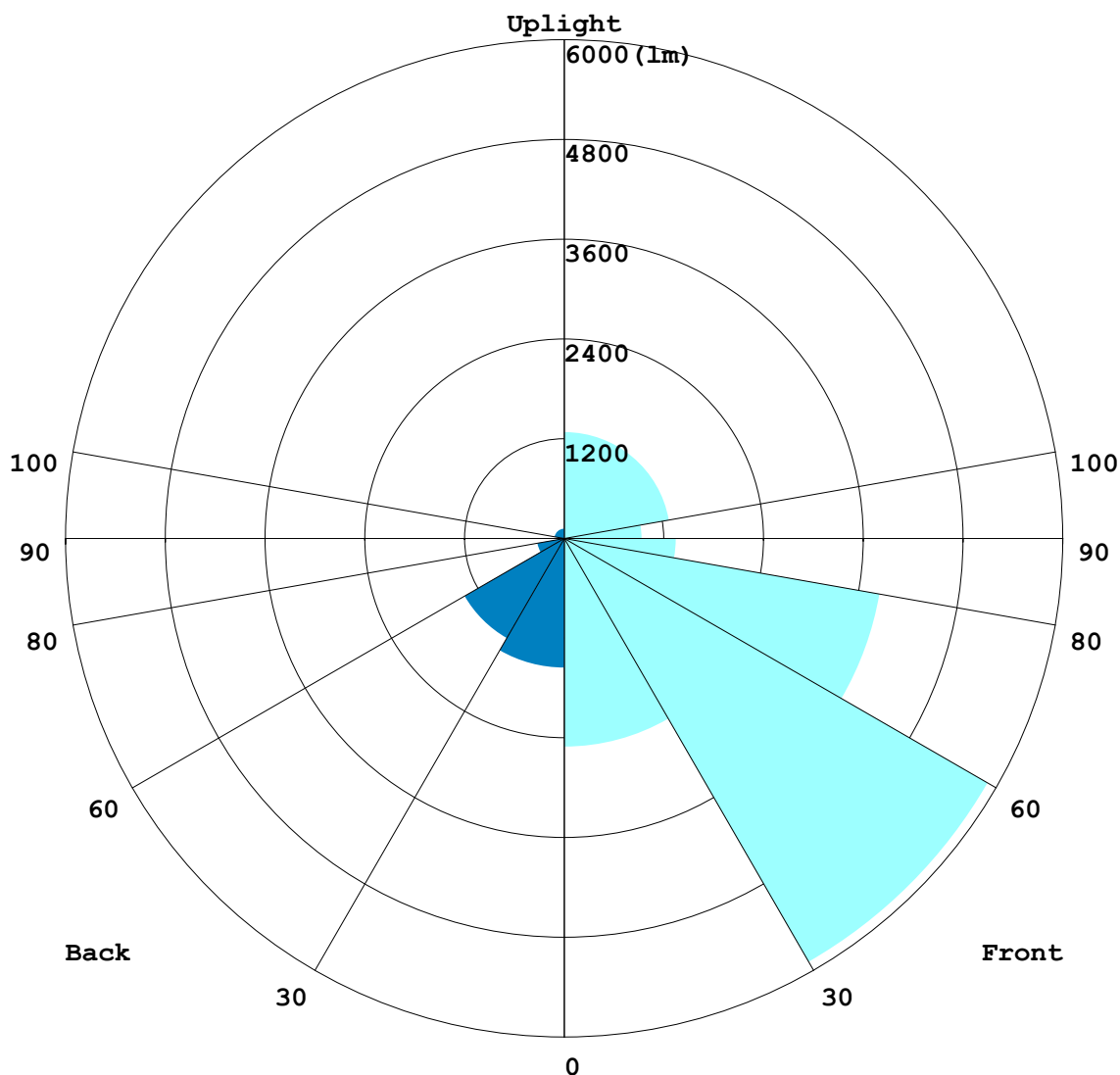
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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:275.79V I:0.4994A P:127.28W PF:0.9241 Freq:60.07Hz Lamp Flux:19318.1x1 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:2025-06-06

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:275.79V I:0.4994A P:127.28W PF:0.9241 Freq:60.07Hz Lamp Flux:19318.1x1 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)	2505.3	13.0
FM - Front-Medium(30-60)	5884.8	30.5
FH - Front-High(60-80)	3852.5	19.9
FVH - Front-Very High(80-90)	1344	7.0
Total Forward Light	15797	81.8

BL - Back-Low(0-30)	1553.1	8.0
BM - Back-Medium(30-60)	1385.4	7.2
BH - Back-High(60-80)	328.31	1.7
BVH - Back-Very High(80-90)	83.847	0.4
Total Back Light	3520.8	18.2

UL - Uplight-Low(90-100)	982.6	5.1
UH - Uplight-High(100-180)	1398.2	7.2
Total Up Light	2380.8	12.3

BUG(Back,Up,Glare) Rating	B3-U4-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3350.6	170.18	3520.8
Street Side	13587	2210.6	15797

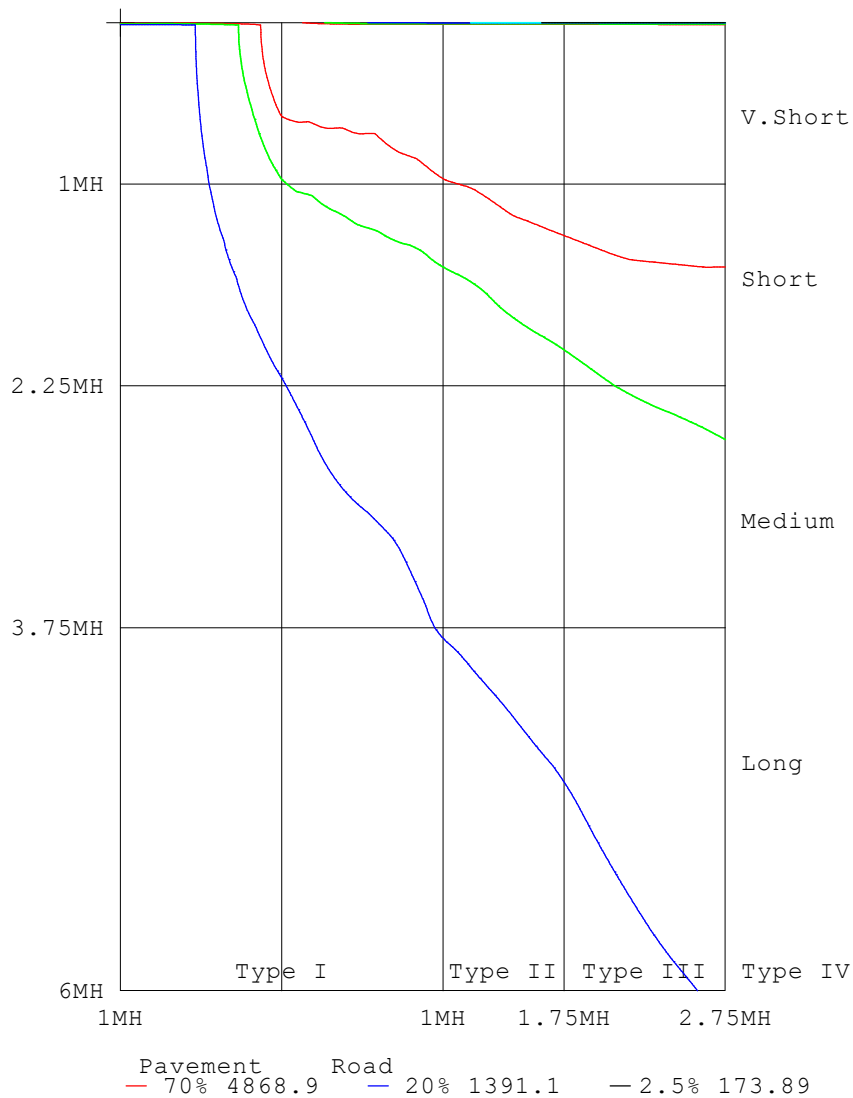
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-06

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:275.79V I:0.4994A P:127.28W PF:0.9241 Freq:60.07Hz Lamp Flux:19318.1x1 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:2025-06-06

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	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228
5	6191	6195	6199	6204	6209	6214	6219	6225	6230	6235	6240	6245	6250	6255	6259	6262	6265	6266	6267
10	6097	6108	6122	6136	6152	6169	6185	6196	6208	6221	6232	6244	6255	6265	6273	6281	6290	6298	6303
15	5911	5935	5963	5995	6026	6044	6067	6095	6126	6165	6200	6231	6257	6280	6299	6313	6327	6338	6339
20	5634	5670	5716	5760	5781	5812	5857	5935	6012	6090	6138	6161	6177	6192	6204	6214	6222	6234	6247
25	5300	5350	5413	5437	5465	5538	5643	5754	5801	5850	5901	5963	6024	6069	6100	6115	6128	6148	6157
30	4893	4971	5045	5067	5144	5272	5366	5423	5500	5619	5732	5821	5878	5928	5971	6004	6017	6035	6061
35	4423	4544	4617	4667	4832	4943	5002	5134	5286	5405	5506	5605	5784	5946	6084	6198	6274	6334	6363
40	3894	4066	4137	4295	4476	4537	4710	4876	4988	5159	5438	5704	5924	6106	6270	6411	6523	6611	6656
45	3405	3606	3664	3929	4010	4196	4383	4518	4810	5127	5401	5685	5980	6247	6472	6656	6804	6919	6956
50	2950	3165	3303	3497	3649	3856	4012	4310	4575	4882	5324	5751	6061	6293	6482	6638	6753	6845	6885
55	2509	2763	3022	3098	3319	3481	3741	3927	4302	4759	5131	5504	5875	6200	6442	6616	6725	6802	6822
60	2005	2322	2639	2788	2900	3125	3307	3678	3981	4374	4894	5398	5786	6116	6373	6556	6673	6731	6750
65	1451	1803	2093	2335	2543	2705	2983	3275	3735	4171	4621	5096	5505	5813	6030	6163	6234	6268	6274
70	969	1352	1645	1913	2110	2300	2653	2997	3376	3814	4286	4709	5060	5323	5516	5651	5735	5773	5788
75	622	893	1154	1458	1665	1954	2259	2657	2981	3339	3771	4236	4617	4881	5058	5185	5264	5303	5311
80	392	599	840	1067	1310	1591	1861	2230	2627	2999	3388	3777	4094	4314	4473	4593	4673	4711	4729
85	269	387	550	737	1028	1259	1515	1828	2159	2517	2901	3276	3570	3775	3923	4032	4105	4141	4154
90	199	147	352	528	722	960	1208	1471	1755	2062	2399	2734	2994	3183	3328	3437	3514	3553	3572
95	53.2	62.1	237	416	600	780	983	1220	1470	1740	2036	2318	2537	2704	2831	2926	2991	3025	3039
100	33.1	57.8	177	332	469	631	798	991	1187	1393	1624	1849	2034	2181	2300	2390	2453	2486	2501
105	30.5	65.4	165	259	371	499	643	814	969	1134	1318	1496	1636	1746	1833	1895	1936	1957	1966
110	31.8	83.1	138	202	285	390	518	636	761	922	1086	1230	1352	1452	1535	1596	1637	1660	1670
115	31.0	52.9	87.0	132	204	291	390	502	622	734	841	951	1070	1168	1248	1306	1344	1365	1374
120	56.7	44.9	41.6	82.4	120	197	282	370	471	573	676	770	849	919	978	1023	1053	1071	1078
125	71.3	53.9	42.3	62.0	75.8	96.4	176	258	338	413	498	577	650	713	766	805	833	848	855
130	61.6	56.9	55.7	60.6	62.8	59.4	71.2	150	224	291	349	396	449	504	550	585	611	625	631
135	52.7	54.9	59.0	62.7	60.3	55.2	51.1	48.8	115	176	230	275	313	344	368	386	398	404	407
140	44.4	47.7	52.4	56.2	57.6	55.0	52.6	50.8	49.7	65.6	115	158	195	225	249	266	278	286	288
145	36.6	40.4	44.8	49.6	53.2	54.1	52.7	51.4	50.3	49.7	49.4	49.5	79.4	108	130	147	160	167	169
150	29.7	33.8	38.0	42.6	46.7	50.4	51.9	51.1	50.5	50.0	50.0	50.4	50.6	50.7	50.4	50.1	50.4	50.2	50.2
155	26.2	30.2	34.1	37.9	41.5	44.8	47.7	50.4	50.4	50.8	51.2	51.7	52.1	52.3	52.3	52.4	52.2	51.9	51.9
160	27.0	29.9	32.8	35.6	38.3	41.0	43.6	46.6	49.6	52.4	53.9	54.2	54.4	54.5	54.5	54.3	54.0	53.7	53.6
165	28.0	30.2	32.5	34.8	37.0	39.1	41.2	43.3	45.3	47.4	49.3	51.1	52.6	53.6	54.2	54.7	55.0	55.2	55.4
170	28.7	30.3	31.8	33.4	35.0	36.5	38.0	39.3	40.6	41.8	42.9	43.8	44.6	45.2	45.7	46.1	46.3	46.5	46.5
175	29.0	29.8	30.6	31.3	32.1	32.8	33.5	34.1	34.7	35.3	35.8	36.2	36.6	37.0	37.2	37.5	37.6	37.7	37.8
180	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0

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

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	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228
5	6267	6267	6264	6261	6258	6253	6249	6244	6240	6236	6232	6228	6225	6222	6219	6217	6214	6213	6131
10	6303	6302	6299	6290	6279	6265	6251	6235	6217	6198	6180	6161	6150	6140	6133	6128	6126	6126	5961
15	6340	6330	6309	6289	6268	6242	6216	6189	6162	6132	6092	6051	6011	5973	5955	5947	5945	5947	5700
20	6251	6247	6230	6211	6187	6158	6120	6077	6028	5980	5935	5896	5843	5785	5728	5708	5705	5711	5381
25	6156	6139	6119	6095	6065	6028	5988	5941	5872	5802	5727	5664	5608	5536	5441	5366	5358	5364	4964
30	6067	6055	6030	5998	5949	5889	5816	5750	5683	5613	5506	5394	5307	5243	5147	5026	4984	4982	4515
35	6338	6275	6193	6091	5969	5844	5717	5597	5463	5337	5254	5164	5029	4914	4828	4653	4543	4531	4014
40	6630	6548	6430	6283	6104	5904	5686	5496	5315	5144	4962	4838	4732	4544	4410	4247	4054	4025	3481
45	6892	6770	6616	6424	6209	5980	5723	5437	5139	4922	4744	4498	4330	4194	3981	3847	3569	3517	2950
50	6858	6772	6644	6457	6220	5930	5629	5323	5036	4684	4380	4225	3967	3792	3620	3432	3159	3038	2490
55	6788	6707	6585	6400	6164	5882	5558	5143	4713	4390	4118	3792	3659	3417	3292	3059	2795	2602	2080
60	6745	6690	6579	6387	6105	5744	5308	4907	4521	4093	3689	3485	3232	3130	2861	2728	2459	2177	1674
65	6264	6228	6152	6022	5827	5567	5226	4728	4196	3751	3436	3088	2849	2626	2528	2338	2039	1658	1234
70	5791	5765	5692	5566	5366	5083	4692	4249	3870	3537	3100	2711	2473	2209	1963	1696	1412	1129	822
75	5306	5275	5198	5081	4905	4666	4321	3914	3481	3051	2652	2387	2062	1805	1508	1247	977	741	591
80	4733	4711	4647	4544	4390	4173	3844	3434	3012	2626	2298	2006	1666	1391	1093	832	614	464	418
85	4151	4120	4052	3947	3796	3593	3297	2935	2574	2240	1932	1648	1335	1032	823	582	351	306	313
90	3575	3550	3493	3400	3270	3097	2847	2522	2188	1874	1586	1319	1064	820	605	415	192	201	214
95	3036	3005	2946	2853	2726	2561	2331	2049	1771	1511	1273	1050	819	597	441	239	49.8	37.9	86.6
100	2500	2474	2422	2341	2229	2084	1888	1648	1405	1185	1006	835	649	480	331	163	60.7	34.5	46.7
105	1964	1944	1907	1848	1766	1660	1521	1354	1175	993	815	665	516	381	255	168	76.3	31.1	37.7
110	1668	1650	1615	1557	1477	1373	1240	1086	935	790	656	526	407	288	203	138	86.8	30.6	43.0
115	1372	1352	1316	1259	1183	1087	973	860	745	628	519	401	297	210	130	80.2	50.3	42.0	72.5
120	1077	1063	1036	992	933	860	774	683	587	483	375	287	200	111	85.2	41.7	48.5	75.0	76.3
125	853	839	813	774	723	661	590	508	418	343	263	178	88.5	74.6	65.5	45.6	58.9	75.4	68.3
130	628	616	593	558	513	458	404	355	296	227	150	68.0	58.5	64.3	64.3	61.4	61.2	63.0	55.9
135	408	402	391	374	350	319	280	234	178	115	48.1	50.6	54.9	60.1	65.5	60.7	57.7	53.1	49.4
140	287	281	269	251	227	197	160	117	65.7	49.1	50.2	51.9	54.5	58.6	56.6	52.5	48.7	39.7	39.9
145	168	161	148	131	108	79.1	48.6	48.6	48.9	49.4	50.2	51.4	53.6	52.7	48.1	44.5	40.0	30.9	30.7
150	50.3	50.7	50.1	49.5	49.4	49.3	49.0	48.6	48.4	48.5	49.1	50.2	48.9	45.0	41.1	37.4	32.8	27.2	27.4
155	52.1	52.5	52.1	51.7	51.4	51.2	50.9	50.3	49.5	48.5	48.2	45.7	42.9	39.9	36.7	33.4	29.8	26.9	27.1
160	53.7	54.0	54.4	54.2	53.9	53.4	53.0	52.5	50.8	48.2	45.7	43.1	40.3	37.5	34.8	32.2	29.7	28.0	28.2
165	55.4	55.3	55.1	54.4	53.2	51.9	50.4	48.7	46.9	45.0	42.9	40.7	38.5	36.3	34.2	32.1	30.1	28.9	29.0
170	46.5	46.4	46.1	45.7	45.2	44.6	43.7	42.7	41.5	40.2	38.8	37.4	36.0	34.6	33.1	31.6	30.1	29.5	29.6
175	37.8	37.7	37.5	37.3	37.0	36.7	36.3	35.8	35.3	34.7	34.1	33.5	32.8	32.0	31.3	30.5	29.7	29.7	29.8
180	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.8	29.8

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

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	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228
5	6051	5972	5895	5821	5751	5684	5622	5564	5511	5464	5424	5389	5361	5339	5323	5313	5309	5312	5321
10	5799	5642	5491	5347	5211	5088	4973	4867	4771	4685	4610	4543	4488	4446	4415	4394	4386	4391	4408
15	5459	5227	5009	4816	4633	4462	4301	4147	4004	3877	3767	3673	3597	3540	3499	3475	3466	3475	3502
20	5062	4764	4505	4260	4023	3786	3569	3369	3215	3097	2991	2898	2819	2758	2714	2685	2674	2682	2710
25	4579	4258	3960	3654	3348	3063	2883	2719	2565	2415	2279	2161	2062	1983	1927	1894	1882	1894	1929
30	4090	3745	3390	3022	2731	2516	2304	2094	1899	1723	1569	1431	1314	1218	1148	1105	1090	1104	1145
35	3582	3210	2781	2453	2226	1975	1724	1490	1274	1074	1012	971	937	910	889	877	873	877	888
40	3079	2663	2267	2009	1723	1445	1191	990	919	858	807	764	727	697	674	661	656	659	672
45	2584	2115	1852	1564	1271	990	886	803	730	665	609	560	518	485	460	444	439	443	458
50	2085	1707	1447	1158	911	803	707	619	540	470	426	399	377	361	348	341	338	340	348
55	1638	1375	1096	866	742	633	529	438	390	352	321	295	274	258	247	240	238	240	246
60	1272	1056	836	699	574	457	388	329	282	243	213	189	169	155	145	139	137	139	145
65	981	804	664	536	417	333	271	215	169	139	136	134	133	132	131	131	131	131	131
70	701	606	503	386	282	195	152	147	140	134	129	127	126	125	124	124	124	124	125
75	529	446	365	254	170	154	149	144	136	128	122	120	119	118	117	117	117	117	118
80	382	324	253	188	162	161	155	142	131	122	115	113	112	111	110	110	109	109	109
85	289	222	162	139	152	154	144	132	122	114	108	106	105	104	103	102	102	101	101
90	203	149	130	154	159	142	129	119	111	104	100	99.0	97.9	96.8	95.8	94.9	93.9	93.1	92.2
95	105	96.8	114	139	131	122	112	104	97.2	91.8	88.9	88.1	87.3	86.6	85.8	85.0	84.0	83.1	82.1
100	55.8	73.1	102	111	104	100	93.6	86.9	81.9	77.8	77.0	76.7	76.4	76.0	75.4	74.7	73.8	72.8	71.6
105	52.1	83.4	89.1	84.1	77.7	76.5	73.9	70.0	67.3	65.9	66.3	66.5	66.4	66.1	65.6	64.8	63.9	62.9	61.7
110	72.6	85.7	73.0	69.1	63.9	59.1	55.5	55.6	55.0	55.7	57.2	58.2	58.9	59.2	59.2	58.9	58.3	57.5	56.4
115	83.0	67.8	62.2	57.1	52.8	49.7	48.0	45.5	44.4	46.1	48.5	50.4	51.7	52.6	53.1	53.2	52.9	52.3	51.4
120	73.6	59.9	49.3	49.1	44.7	42.3	40.2	39.1	40.6	42.2	43.7	44.9	46.0	46.8	47.3	47.5	47.4	47.0	46.4
125	58.0	47.5	45.6	41.6	39.8	36.4	34.7	34.9	37.2	39.2	40.8	42.2	43.3	44.1	44.7	45.0	45.0	44.8	44.2
130	45.6	40.4	39.1	36.8	33.1	32.2	31.8	33.4	34.9	36.3	37.9	39.5	40.7	41.6	42.3	42.6	42.6	42.4	41.9
135	42.6	38.3	35.5	32.9	30.3	28.8	30.3	31.9	33.5	35.0	36.3	37.4	38.4	39.2	39.8	40.2	40.3	40.1	39.7
140	35.8	32.9	30.9	28.6	28.3	28.8	29.8	30.9	32.2	33.4	34.7	35.8	36.7	37.4	37.9	38.2	38.3	38.2	37.8
145	29.6	28.0	27.4	27.4	28.4	29.1	29.8	30.6	31.5	32.3	33.3	34.2	34.9	35.5	36.0	36.3	36.4	36.3	36.1
150	27.5	27.5	27.7	28.1	28.7	29.5	30.2	30.8	31.4	32.0	32.6	33.1	33.6	33.9	34.2	34.4	34.4	34.4	34.3
155	27.4	27.8	28.4	28.8	29.2	29.7	30.3	30.9	31.5	31.9	32.3	32.6	33.0	33.2	33.4	33.6	33.6	33.6	33.6
160	28.4	28.6	29.1	29.5	29.9	30.2	30.5	30.8	31.2	31.5	31.9	32.2	32.4	32.6	32.7	32.8	32.8	32.8	32.8
165	29.2	29.4	29.6	29.8	30.1	30.4	30.6	30.9	31.1	31.3	31.4	31.6	31.7	31.9	31.9	32.0	32.0	32.0	32.0
170	29.7	29.8	29.9	30.1	30.2	30.3	30.5	30.6	30.8	30.9	31.0	31.1	31.1	31.2	31.2	31.3	31.3	31.3	31.2
175	29.9	29.9	30.0	30.0	30.1	30.2	30.2	30.3	30.3	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5
180	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8

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

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	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228	6228				
5	5337	5359	5388	5422	5462	5508	5560	5616	5677	5742	5811	5882	5957	6034	6112				
10	4438	4481	4536	4603	4681	4770	4870	4979	5099	5228	5359	5496	5640	5788	5941				
15	3546	3608	3685	3775	3878	3996	4130	4281	4454	4639	4838	5049	5257	5468	5687				
20	2757	2821	2898	2992	3105	3238	3397	3581	3782	3998	4248	4518	4803	5074	5349				
25	1987	2063	2156	2272	2403	2551	2724	2912	3114	3362	3631	3936	4281	4635	4960				
30	1214	1309	1428	1572	1734	1907	2089	2285	2512	2758	3041	3360	3728	4143	4518				
35	906	931	964	1002	1062	1272	1497	1730	1961	2206	2487	2806	3158	3604	4033				
40	693	722	759	803	854	913	980	1187	1460	1720	1977	2280	2626	3040	3509				
45	482	513	554	601	658	724	798	879	976	1270	1545	1826	2154	2517	3022				
50	359	374	395	420	463	532	610	699	796	900	1167	1439	1724	2062	2541				
55	257	272	292	316	347	384	430	519	622	737	856	1106	1342	1647	2079				
60	155	169	188	211	241	278	325	379	445	565	694	815	1044	1250	1594				
65	132	133	134	136	140	169	213	265	326	410	523	652	771	908	1122				
70	125	126	127	130	135	141	148	145	193	279	381	481	592	693	796				
75	119	119	121	125	132	139	147	149	153	180	259	349	423	497	550				
80	110	110	112	116	123	132	143	156	161	163	187	248	316	359	401				
85	101	101	101	103	109	116	126	139	146	142	134	159	230	275	302				
90	91.5	90.8	90.4	90.9	95.0	101	108	117	130	142	123	112	153	201	200				
95	81.0	79.8	78.7	77.8	79.1	82.8	86.3	92.7	101	112	112	88.9	77.1	104	83.1				
100	70.2	68.6	67.0	65.3	64.3	66.2	65.6	68.8	76.3	87.0	97.4	92.0	64.9	49.7	44.2				
105	60.3	58.8	57.2	55.5	53.8	55.4	56.2	59.3	62.9	70.6	79.8	90.3	80.5	47.9	36.0				
110	55.1	53.5	51.8	49.9	47.8	46.4	47.7	49.9	53.2	58.0	67.3	75.1	84.1	68.7	39.9				
115	50.1	48.5	46.6	44.4	41.9	40.1	41.1	43.1	46.3	48.9	55.1	63.3	75.0	78.0	58.9				
120	45.4	44.3	42.9	41.3	39.6	37.5	36.8	38.0	39.0	43.3	46.8	53.9	61.2	70.8	70.9				
125	43.4	42.2	40.8	39.1	37.3	35.4	33.4	33.6	36.0	37.7	41.4	45.7	53.6	58.7	66.9				
130	41.1	40.0	38.8	37.3	35.7	33.9	32.1	31.2	31.8	33.9	36.8	41.4	45.5	51.5	56.5				
135	39.1	38.2	37.1	35.7	34.4	33.0	31.5	29.8	29.3	30.7	33.5	36.9	39.4	45.4	48.4				
140	37.3	36.5	35.7	34.6	33.5	32.1	30.6	29.5	28.7	28.8	30.4	31.6	35.2	38.7	41.3				
145	35.6	35.0	34.2	33.2	32.2	31.5	30.7	29.9	29.0	28.1	27.7	28.5	31.0	32.6	34.6				
150	34.0	33.7	33.3	32.8	32.2	31.5	30.8	30.0	29.4	28.8	28.3	28.1	28.2	28.5	29.4				
155	33.4	33.1	32.8	32.4	31.9	31.4	30.9	30.4	29.9	29.3	28.7	28.3	27.9	27.6	27.2				
160	32.6	32.5	32.3	32.0	31.7	31.4	31.0	30.6	30.2	29.7	29.4	29.1	28.8	28.5	28.1				
165	31.9	31.9	31.7	31.6	31.4	31.1	30.9	30.6	30.4	30.2	30.0	29.8	29.5	29.2	29.0				
170	31.2	31.2	31.1	31.0	30.9	30.8	30.7	30.6	30.5	30.4	30.2	30.0	29.9	29.7	29.6				
175	30.5	30.5	30.5	30.4	30.4	30.3	30.3	30.3	30.2	30.2	30.1	30.0	30.0	29.9	29.8				
180	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8				

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

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: