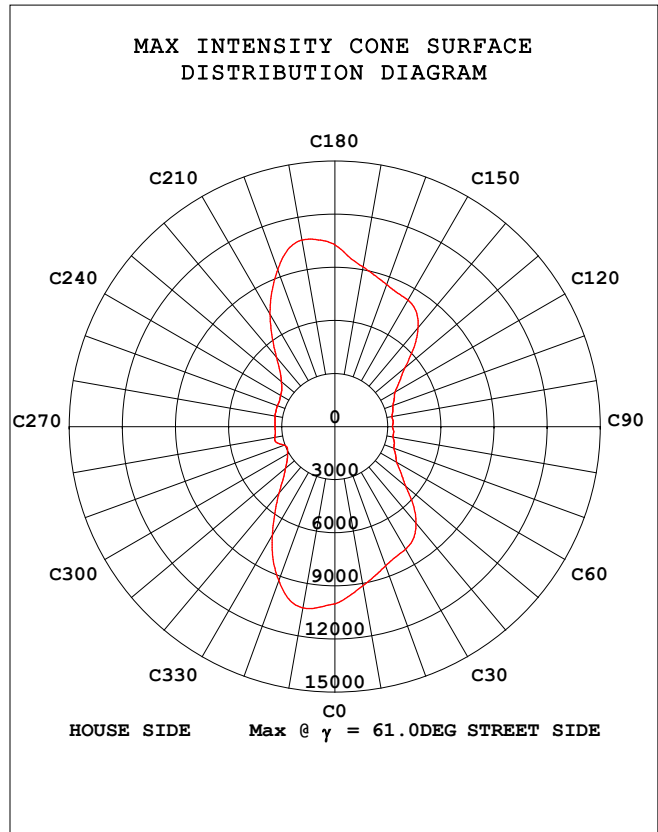
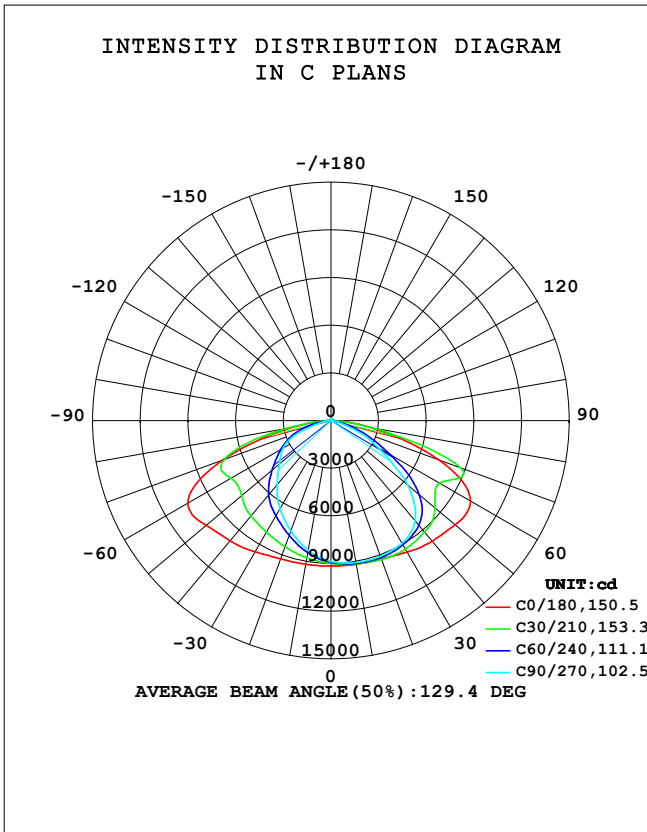


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.82V I:0.7259A P:196.02W PF:0.9790 Freq:50.03Hz Lamp Flux:34052.4x1 lm		
NAME: ASD-LSB5BHV-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 173.72 lm/W			
MODEL	ASD-LSB5BHV-PRO-200BR	I _{max} (cd)	10710	η street_up (%)	0.5
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	52.2
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	34052	η house_up (%)	0.6
NOMINAL FLUX (lm)	34052.4	MAXIMUM @ (C, γ)	190,61.0	η house_down (%)	46.8
LAMPS INSIDE	1	η up (%)	1.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	99.0	SLI	

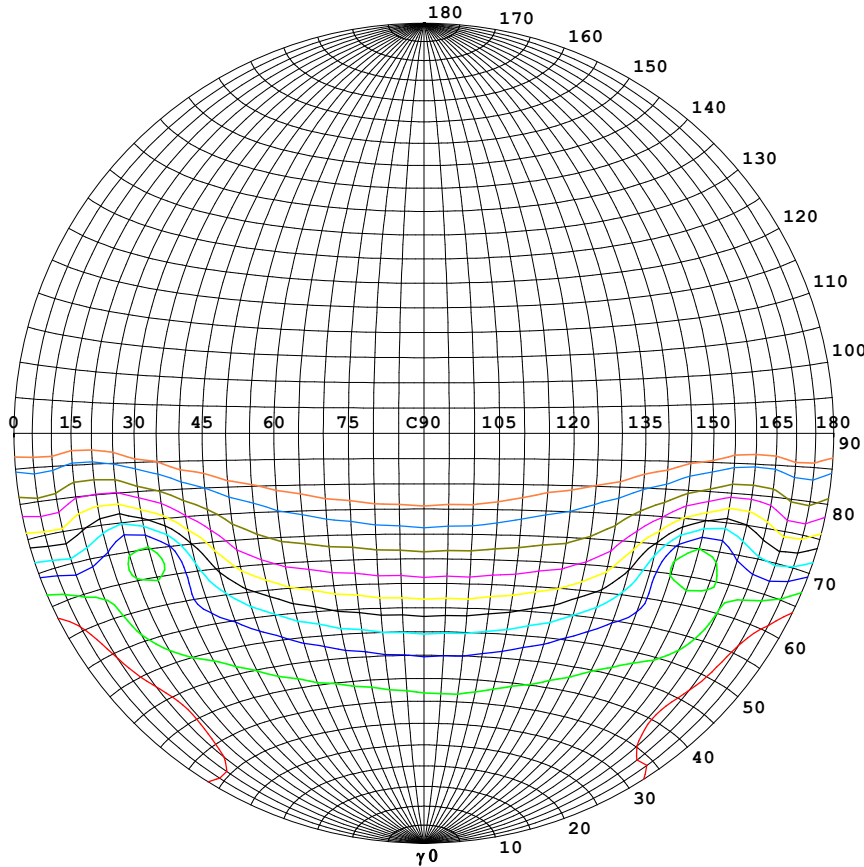


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 19 June 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 7.850m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:275.82V I:0.7259A P:196.02W PF:0.9790 Freq:50.03Hz Lamp Flux:34052.4x1 lm		
NAME: ASD-LSB5BHV-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



Classification:

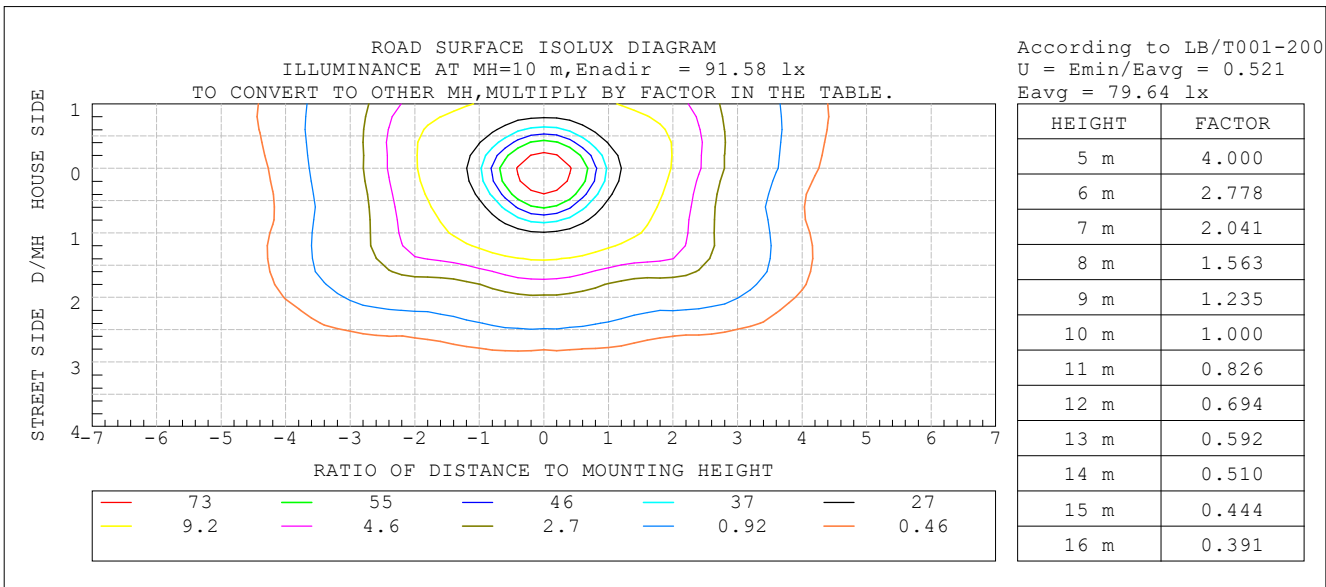
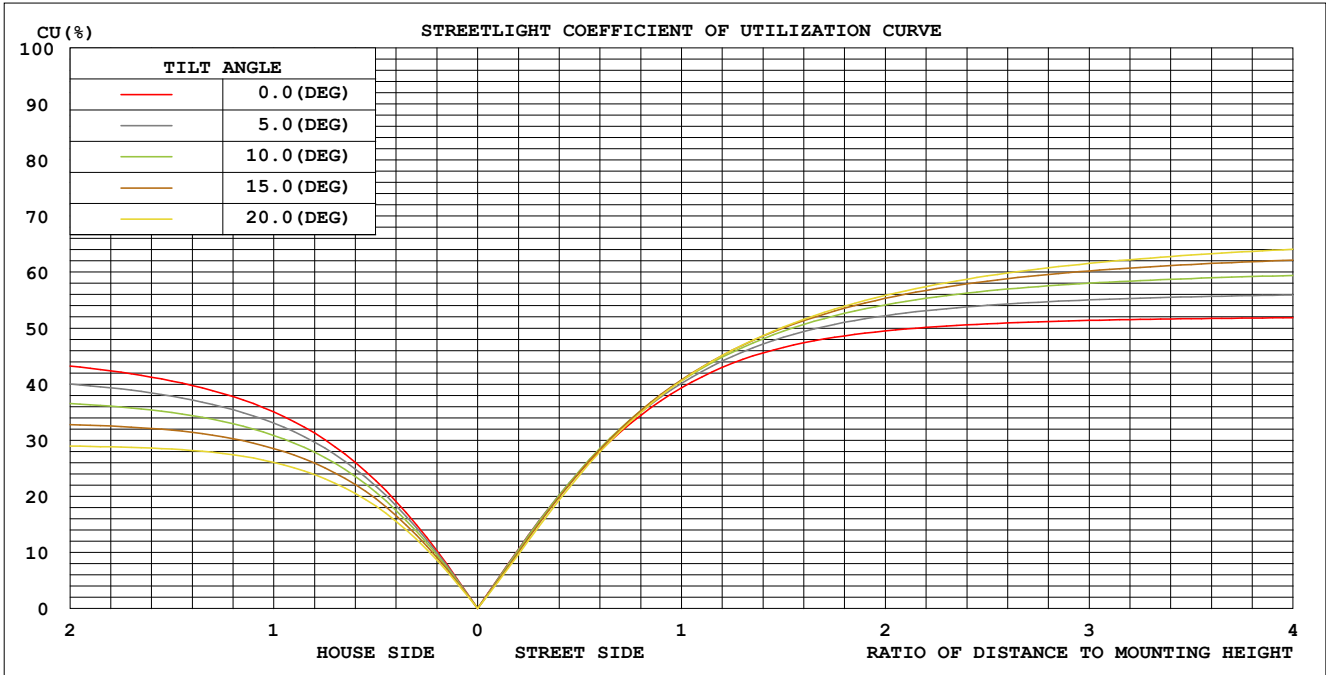
IES:Type III - Short
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:114.6cd/klm
 Max.At90:10.35cd/klm
 Max.80-90:114.6cd/klm
 NRB 5101:Semi limited[16.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	10710
90%	9639
80%	8568
70%	7497
60%	6426
50%	5355
40%	4284
30%	3213
20%	2142
10%	1071
5%	535

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:19 June 2024

gamma Range: 0 - 180DEG
 gamma Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 19 June 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 7.850m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

Test:U:275.82V I:0.7259A P:196.02W PF:0.9790 Freq:50.03Hz Lamp Flux:34052.4x1 lm		
NAME: ASD-LSB5BHV-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

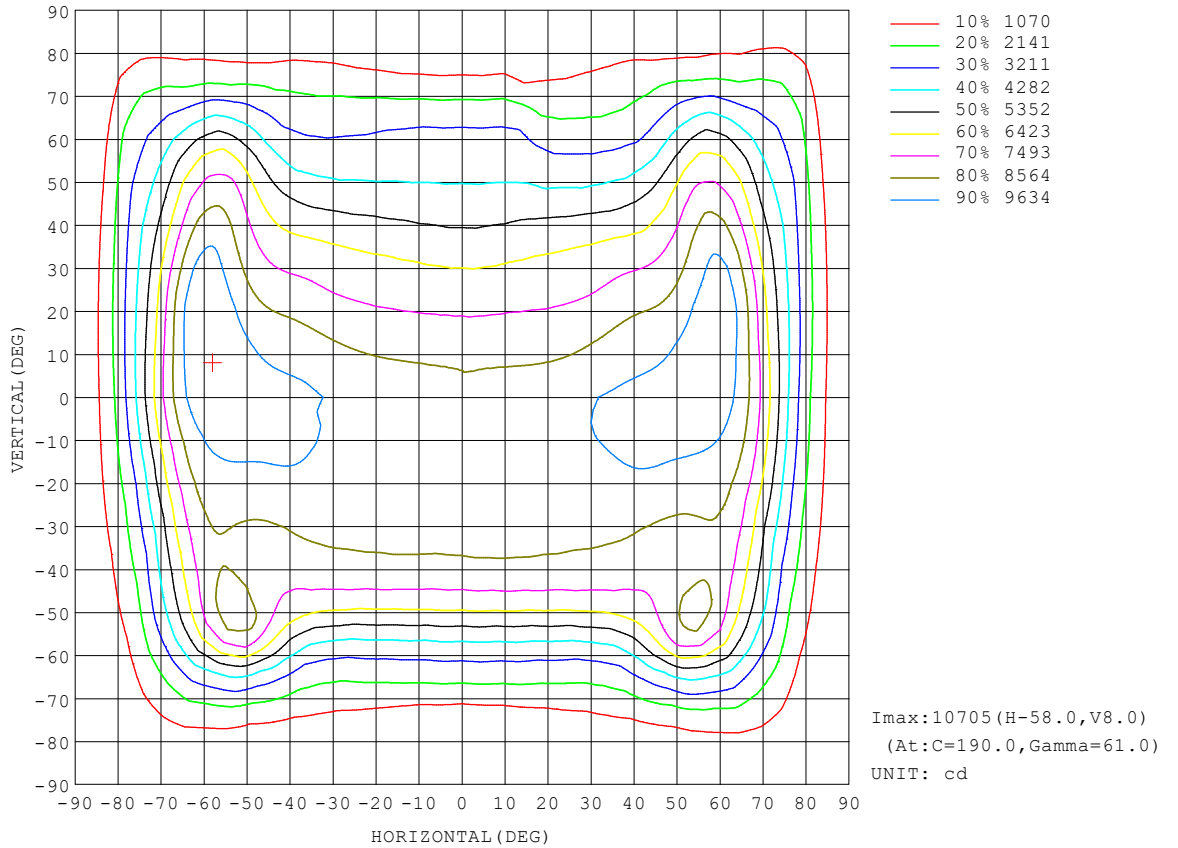
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	918.0	913.9	907.7	909.2	918.3	858.9	829.7	853.8	0- 10	848.7	848.7	2.49,2.49
20	927.3	923.8	908.7	920.8	926.9	802.2	739.2	798.5	10- 20	2480	3328	9.77,9.77
30	956.4	915.0	892.9	911.8	954.4	741.2	642.8	736.9	20- 30	3949	7277	21.4,21.4
40	991.3	880.2	823.5	879.1	988.6	683.1	528.3	681.5	30- 40	5182	12459	36.6,36.6
50	1021	813.0	629.2	809.6	1027	589.5	425.3	583.4	40- 50	5954	18413	54.1,54.1
60	1014	649.3	347.0	652.3	1040	451.3	348.4	428.2	50- 60	5984	24398	71.6,71.6
70	720.2	382.3	130.4	381.0	723.0	322.7	193.9	282.3	60- 70	5403	29801	87.5,87.5
80	249.6	105.7	17.94	98.63	243.2	138.8	57.70	144.1	70- 80	3176	32976	96.8,96.8
90	2.963	1.574	0.7695	4.582	3.408	4.757	1.406	6.323	80- 90	727.0	33703	99,99
100	4.520	2.502	1.443	5.621	5.317	3.633	1.938	4.019	90-100	38.41	33742	99.1,99.1
110	6.206	3.729	2.364	3.786	7.010	5.014	3.321	5.006	100-110	43.15	33785	99.2,99.2
120	7.203	4.842	3.398	4.839	7.927	6.297	4.930	6.270	110-120	51.06	33836	99.4,99.4
130	7.397	5.681	4.375	5.437	8.093	7.021	6.370	7.368	120-130	55.07	33891	99.5,99.5
140	7.334	6.182	5.191	6.178	7.969	7.424	7.316	7.851	130-140	52.19	33943	99.7,99.7
150	7.468	6.692	5.956	6.666	8.084	7.770	7.720	8.070	140-150	44.68	33988	99.8,99.8
160	7.894	7.303	6.726	6.853	8.410	8.018	8.043	8.255	150-160	34.43	34022	99.9,99.9
170	8.532	7.938	7.530	7.602	8.799	8.280	8.229	8.344	160-170	22.31	34045	100,100
180	8.959	8.354	8.106	8.229	8.989	8.348	8.112	8.230	170-180	7.848	34052	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:19 June 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

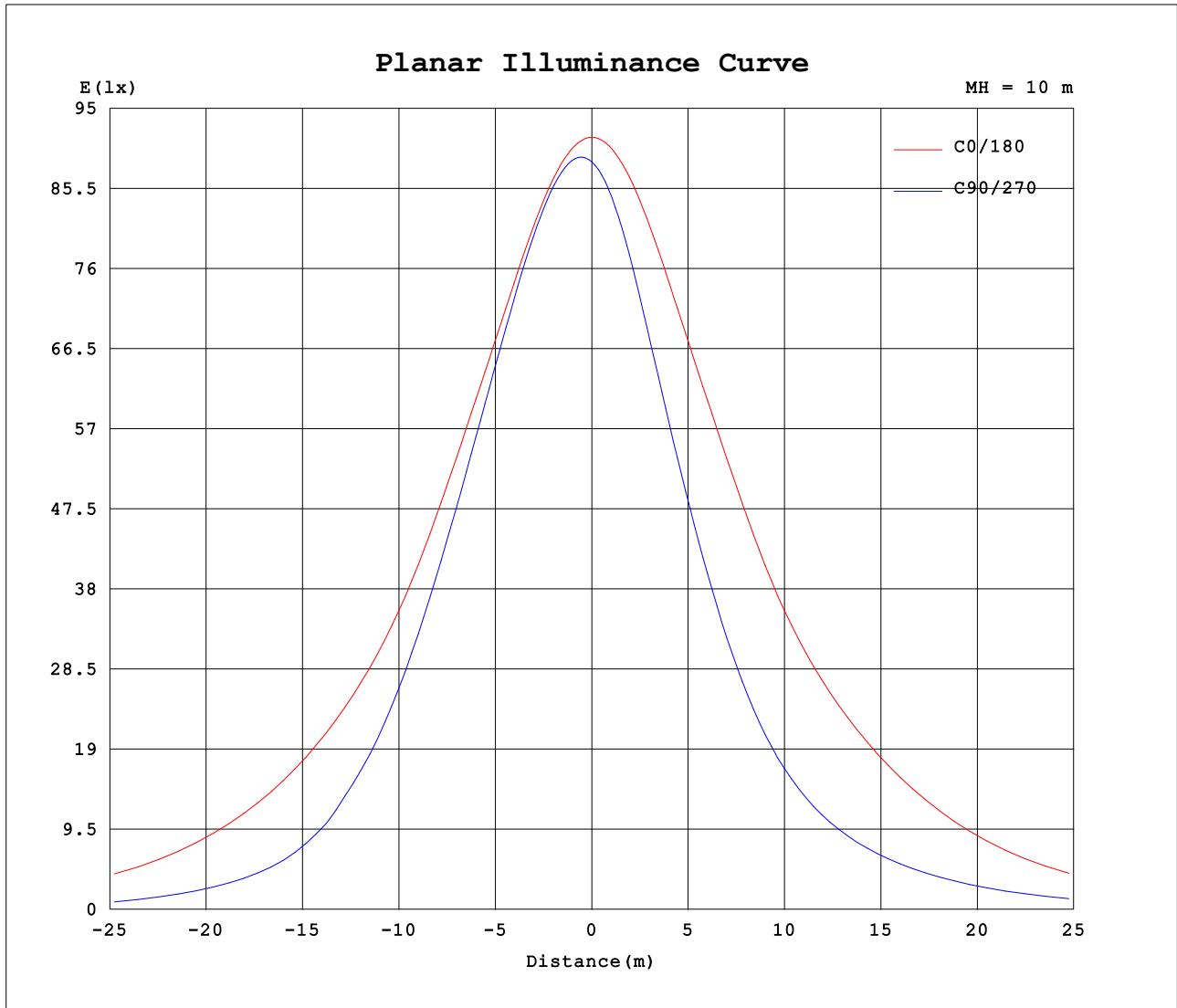
Test:U:275.82V I:0.7259A P:196.02W PF:0.9790 Freq:50.03Hz Lamp Flux:34052.4x1 lm		
NAME: ASD-LSB5BHV-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:19 June 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

Planar Illuminance Curve



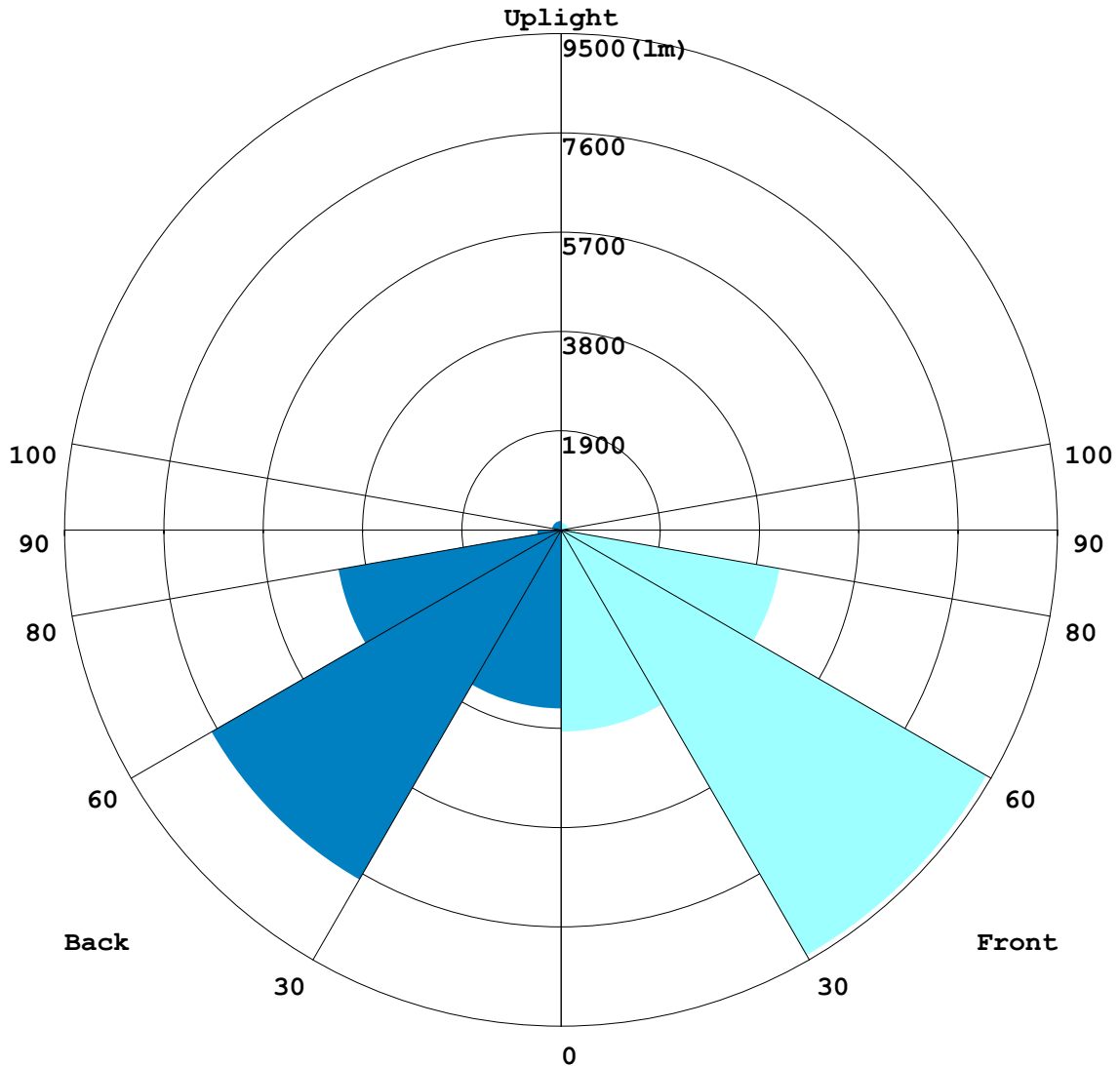
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 19 June 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 7.850m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:275.82V I:0.7259A P:196.02W PF:0.9790 Freq:50.03Hz		
Lamp Flux:34052.4x1 lm		
NAME: ASD-LSB5BHV-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:19 June 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:275.82V I:0.7259A P:196.02W PF:0.9790 Freq:50.03Hz Lamp Flux:34052.4x1 lm		
NAME: ASD-LSB5BHV-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3862.1	11.3
FM - Front-Medium(30-60)	9397.1	27.6
FH - Front-High(60-80)	4249.8	12.5
FVH - Front-Very High(80-90)	271.86	0.8
Total Forward Light	17937	52.7

BL - Back-Low(0-30)	3414.6	10.0
BM - Back-Medium(30-60)	7723.9	22.7
BH - Back-High(60-80)	4328.8	12.7
BVH - Back-Very High(80-90)	455.16	1.3
Total Back Light	16115	47.3

UL - Uplight-Low(90-100)	38.412	0.1
UH - Uplight-High(100-180)	310.73	0.9
Total Up Light	349.14	1.0

BUG(Back,Up,Glare) Rating	B4-U3-G4
----------------------------------	-----------------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15922	192.49	16115
Street Side	17781	156.65	17937

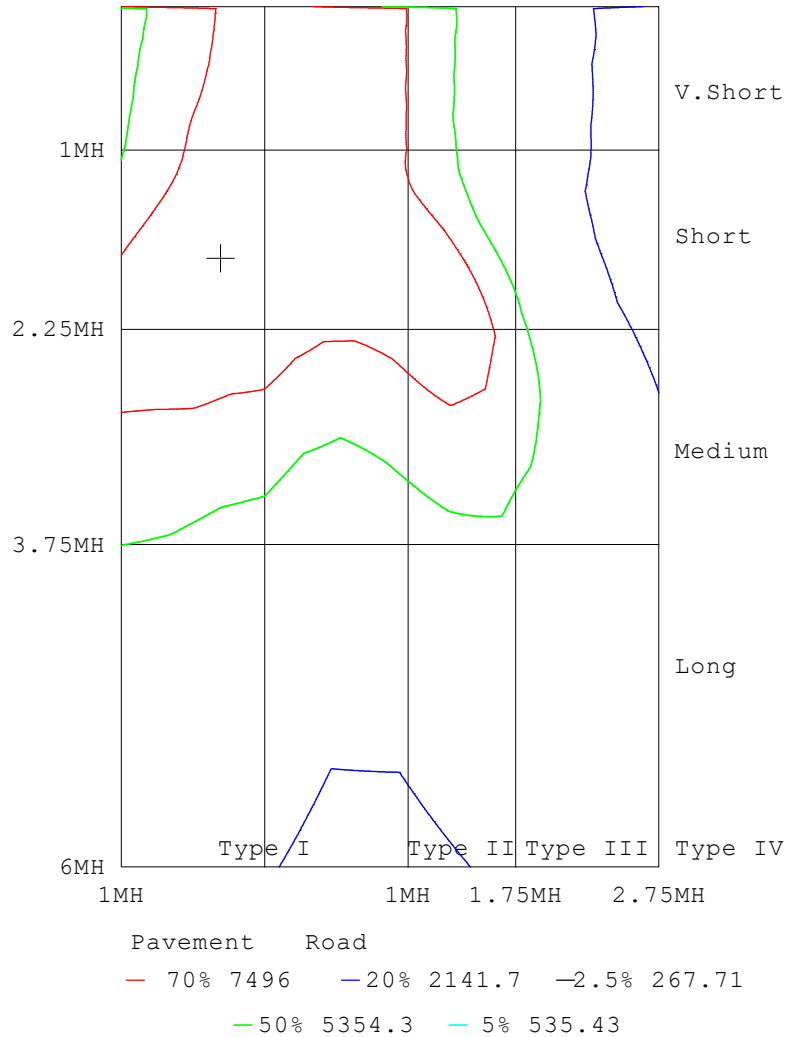
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:19 June 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:275.82V I:0.7259A P:196.02W PF:0.9790 Freq:50.03Hz Lamp Flux:34052.4x1 lm		
NAME: ASD-LSB5BHV-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:19 June 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:275.82V I:0.7259A P:196.02W PF:0.9790 Freq:50.03Hz Lamp Flux:34052.4x1 lm		
NAME: ASD-LSB5BHV-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	916	912	909	906	904	901	900	898	897	895	895	893	893	892	891	890	889	887	887
5	916	914	912	911	909	908	908	907	907	906	906	905	905	905	904	903	903	901	901
10	918	917	917	916	916	915	916	915	915	914	914	913	913	912	912	911	910	909	908
15	921	923	923	924	924	923	923	922	921	920	919	918	917	916	915	913	913	911	910
20	927	930	932	933	933	932	931	928	926	924	922	919	918	916	914	913	911	910	909
25	939	943	946	946	943	940	936	931	927	923	919	916	914	912	910	908	906	905	903
30	956	961	962	958	951	943	935	927	920	915	910	907	904	903	901	899	897	896	893
35	977	980	978	969	956	942	927	916	905	900	894	891	888	886	883	880	876	874	870
40	991	996	992	979	959	938	917	901	888	880	873	868	861	855	847	841	833	830	823
45	1003	1004	994	975	950	925	900	881	866	856	842	830	812	798	780	770	755	752	743
50	1021	1009	982	949	912	882	856	841	826	813	787	761	725	701	672	660	641	638	629
55	1035	1003	959	914	866	829	800	787	771	745	695	648	598	568	526	509	488	486	476
60	1014	971	923	880	838	808	790	769	723	649	558	489	434	406	381	370	356	356	347
65	917	882	845	835	836	853	870	814	666	516	402	344	302	287	271	267	256	254	248
70	720	697	674	707	763	847	867	755	542	382	279	233	196	182	164	156	143	136	130
75	473	450	447	519	586	633	565	450	328	243	172	138	109	95.2	79.2	72.8	64.4	62.6	59.1
80	250	230	242	312	326	326	266	203	143	106	70.8	57.4	43.1	36.8	27.6	25.1	20.7	20.2	17.9
85	95.5	82.8	87.2	117	118	102	68.5	53.8	27.0	17.9	12.3	8.19	5.79	4.59	3.33	2.63	1.86	1.49	1.07
90	2.96	3.24	9.96	2.89	7.50	2.55	2.37	2.13	1.84	1.57	1.30	1.10	1.00	0.90	0.86	0.81	0.79	0.75	0.77
95	3.59	3.50	3.43	3.29	3.17	2.97	2.78	2.50	2.25	1.96	1.73	1.50	1.35	1.22	1.15	1.10	1.08	1.05	1.06
100	4.52	4.38	4.26	4.06	3.89	3.66	3.43	3.13	2.84	2.50	2.24	1.97	1.80	1.64	1.56	1.49	1.47	1.43	1.44
105	5.43	5.26	5.10	4.84	4.63	4.35	4.10	3.77	3.48	3.11	2.83	2.52	2.31	2.12	2.02	1.93	1.91	1.87	1.88
110	6.21	6.02	5.81	5.54	5.29	5.00	4.74	4.41	4.10	3.73	3.42	3.09	2.85	2.63	2.52	2.41	2.38	2.35	2.36
115	6.81	6.61	6.39	6.13	5.90	5.62	5.35	5.01	4.68	4.31	3.99	3.65	3.40	3.16	3.03	2.92	2.90	2.85	2.87
120	7.20	7.02	6.81	6.60	6.38	6.13	5.86	5.53	5.21	4.84	4.52	4.19	3.94	3.70	3.56	3.45	3.44	3.38	3.40
125	7.39	7.23	7.06	6.89	6.71	6.48	6.25	5.96	5.66	5.31	5.00	4.68	4.43	4.20	4.09	3.99	3.97	3.92	3.92
130	7.40	7.28	7.16	7.05	6.93	6.75	6.55	6.29	6.01	5.68	5.38	5.08	4.84	4.66	4.56	4.48	4.43	4.38	4.38
135	7.36	7.30	7.25	7.20	7.09	6.94	6.75	6.51	6.24	5.95	5.68	5.42	5.23	5.07	4.99	4.90	4.85	4.80	4.80
140	7.33	7.34	7.33	7.31	7.21	7.07	6.88	6.65	6.42	6.18	5.96	5.75	5.60	5.48	5.39	5.30	5.24	5.20	5.19
145	7.37	7.41	7.41	7.38	7.28	7.15	6.98	6.80	6.62	6.43	6.26	6.10	5.99	5.86	5.78	5.68	5.63	5.58	5.58
150	7.47	7.50	7.50	7.46	7.37	7.27	7.14	6.99	6.85	6.69	6.56	6.44	6.34	6.23	6.16	6.08	6.02	5.97	5.96
155	7.63	7.66	7.64	7.60	7.52	7.44	7.34	7.23	7.10	6.98	6.88	6.77	6.69	6.59	6.53	6.45	6.39	6.34	6.32
160	7.89	7.92	7.90	7.84	7.78	7.70	7.63	7.50	7.40	7.30	7.23	7.13	7.07	6.98	6.93	6.85	6.80	6.75	6.73
165	8.21	8.23	8.18	8.13	8.07	7.99	7.90	7.81	7.71	7.63	7.57	7.50	7.45	7.38	7.33	7.27	7.22	7.18	7.15
170	8.53	8.52	8.47	8.43	8.35	8.26	8.17	8.10	8.01	7.94	7.89	7.83	7.78	7.73	7.68	7.62	7.58	7.56	7.53
175	8.85	8.83	8.73	8.65	8.53	8.46	8.37	8.31	8.25	8.18	8.11	8.08	8.03	7.99	7.95	7.90	7.87	7.85	7.83
180	8.96	8.92	8.79	8.72	8.63	8.59	8.53	8.48	8.42	8.35	8.29	8.27	8.24	8.21	8.17	8.15	8.12	8.12	8.11

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:19 June 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:275.82V I:0.7259A P:196.02W PF:0.9790 Freq:50.03Hz Lamp Flux:34052.4x1 lm		
NAME: ASD-LSB5BHV-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--2

UNIT: X10cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	884	884	885	885	885	887	887	888	888	889	889	889	889	889	889	890	890	916	912
5	898	898	899	899	899	900	900	901	900	900	899	899	897	896	895	894	892	917	911
10	906	906	906	908	908	909	909	910	909	909	908	907	905	904	901	899	896	918	911
15	908	908	909	911	912	914	915	916	917	917	917	916	914	913	909	906	901	921	912
20	907	907	909	911	912	914	917	919	921	923	924	925	924	923	920	916	910	927	915
25	902	902	904	907	908	910	914	917	920	924	927	930	932	934	933	931	925	937	924
30	891	891	893	897	898	900	903	907	912	917	923	930	937	944	948	950	946	954	939
35	869	868	873	878	881	883	887	891	897	904	913	925	939	953	963	970	968	974	958
40	825	825	832	842	851	857	866	872	879	888	902	919	939	959	975	985	985	989	969
45	747	748	762	775	795	809	828	841	855	866	882	900	923	947	970	988	995	1002	980
50	635	635	651	667	695	720	758	786	810	821	835	850	879	912	949	984	1008	1027	1010
55	481	481	499	519	558	589	641	692	743	768	783	801	834	876	924	971	1012	1054	1055
60	353	350	361	374	398	423	478	552	652	736	788	812	829	857	892	931	976	1040	1067
65	251	250	258	267	280	293	334	396	524	700	861	905	868	833	820	825	862	934	967
70	135	138	149	161	176	189	224	272	381	550	770	858	821	722	658	625	651	723	737
75	62.3	62.4	69.4	80.8	94.8	107	132	166	234	315	433	528	579	537	466	392	398	468	497
80	20.1	19.9	23.3	31.5	39.6	43.8	54.8	67.6	98.6	131	188	235	280	283	263	200	194	243	296
85	1.61	1.99	2.76	9.46	10.4	10.6	12.0	14.3	20.8	28.3	47.1	59.5	85.1	91.3	87.2	64.0	63.9	90.2	129
90	0.76	0.94	0.82	7.07	7.03	6.69	6.04	4.84	4.58	4.07	3.84	3.68	3.55	3.63	3.42	3.46	3.24	3.41	13.3
95	1.06	1.10	1.13	3.08	6.41	6.90	6.70	5.85	5.26	5.11	4.87	4.61	4.41	4.31	4.17	4.13	4.00	4.34	4.38
100	1.44	1.49	1.53	3.97	5.22	5.59	5.81	5.33	5.62	5.40	5.38	5.17	5.24	4.87	4.80	4.79	4.69	5.32	5.35
105	1.88	1.93	1.96	2.01	2.85	3.36	3.62	3.42	3.86	3.99	4.36	4.61	4.75	4.90	5.02	5.21	5.34	6.25	6.27
110	2.36	2.41	2.46	2.42	2.57	2.80	3.08	3.45	3.79	4.18	4.48	4.81	5.06	5.37	5.60	5.89	6.06	7.01	7.03
115	2.86	2.92	2.97	3.05	3.08	3.36	3.64	4.02	4.36	4.75	5.07	5.40	5.65	5.96	6.19	6.47	6.66	7.57	7.62
120	3.39	3.45	3.49	3.59	3.65	3.89	4.17	4.52	4.84	5.19	5.50	5.82	6.17	6.59	6.86	7.10	7.17	7.93	8.00
125	3.90	3.96	3.99	4.02	4.06	4.32	4.57	4.89	5.19	5.51	5.79	6.17	6.53	6.88	7.16	7.42	7.33	8.09	8.17
130	4.36	4.41	4.45	4.41	4.55	4.70	4.90	5.17	5.44	5.78	6.12	6.50	6.75	7.08	7.33	7.47	7.32	8.09	8.16
135	4.78	4.82	4.86	4.90	4.97	5.12	5.29	5.54	5.81	6.15	6.44	6.69	6.97	7.22	7.43	7.33	7.27	8.02	8.04
140	5.18	5.20	5.23	5.28	5.46	5.61	5.79	5.99	6.18	6.35	6.55	6.76	7.02	7.18	7.27	7.17	7.18	7.97	7.94
145	5.56	5.57	5.58	5.61	5.66	6.04	6.17	6.32	6.43	6.60	6.73	6.91	7.08	7.08	7.04	6.99	7.09	7.99	7.91
150	5.92	5.92	5.90	5.92	5.96	6.09	6.29	6.56	6.67	6.77	6.91	6.99	7.01	6.99	6.92	7.03	7.12	8.08	7.98
155	6.27	6.26	6.24	6.25	6.26	6.32	6.37	6.60	6.79	6.84	6.96	7.00	6.91	6.98	7.08	7.17	7.28	8.23	8.13
160	6.67	6.67	6.64	6.66	6.66	6.71	6.73	6.80	6.85	7.03	7.06	7.16	7.20	7.30	7.34	7.45	7.56	8.41	8.31
165	7.11	7.11	7.09	7.10	7.10	7.13	7.14	7.19	7.21	7.28	7.35	7.45	7.50	7.57	7.64	7.74	7.87	8.60	8.49
170	7.50	7.49	7.47	7.48	7.48	7.51	7.52	7.57	7.60	7.67	7.71	7.78	7.82	7.89	7.94	8.04	8.16	8.80	8.68
175	7.81	7.81	7.81	7.82	7.83	7.86	7.87	7.92	7.95	8.00	8.05	8.11	8.15	8.20	8.26	8.37	8.49	8.99	8.87
180	8.10	8.10	8.11	8.12	8.13	8.15	8.17	8.20	8.23	8.27	8.31	8.35	8.39	8.42	8.48	8.57	8.68	8.99	8.90

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:19 June 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:275.82V I:0.7259A P:196.02W PF:0.9790 Freq:50.03Hz Lamp Flux:34052.4x1 lm		
NAME: ASD-LSB5BHV-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--3 UNIT: X10cd

C (DEG) \ γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	909	906	904	901	900	898	897	895	895	893	893	892	891	890	889	887	887	884	884
5	906	902	897	893	890	886	884	880	878	875	874	871	870	867	867	864	864	861	862
10	904	897	890	883	878	871	866	859	855	849	846	840	838	834	833	829	830	826	829
15	902	892	882	872	863	852	843	832	824	815	809	801	797	792	790	786	786	783	787
20	902	889	875	859	846	830	817	802	791	779	770	760	754	747	744	739	739	737	741
25	907	889	869	848	828	808	790	771	757	742	731	719	711	702	698	693	692	691	696
30	919	895	867	839	812	786	763	741	724	707	694	680	669	658	651	643	643	641	648
35	934	904	869	831	796	764	737	712	692	672	657	638	624	608	599	588	587	586	596
40	942	908	868	825	783	745	713	683	658	632	611	588	571	552	541	530	528	528	539
45	946	905	858	810	765	723	685	646	612	578	552	526	509	492	482	473	473	473	482
50	968	913	850	789	734	683	639	590	549	510	485	462	449	437	431	425	425	425	431
55	1020	958	872	792	716	644	582	521	477	440	422	405	400	394	392	387	387	386	391
60	1069	1025	933	833	728	621	526	451	409	378	366	356	357	355	355	349	348	348	354
65	1012	1005	955	869	756	609	474	386	345	320	311	302	302	297	298	291	293	291	298
70	784	802	816	788	713	554	415	323	282	258	249	237	229	213	206	191	194	192	208
75	536	560	605	598	539	411	315	246	215	191	174	150	134	118	112	104	106	104	114
80	364	378	374	328	278	206	169	139	128	109	96.1	77.0	68.3	60.8	59.7	56.7	57.7	56.1	59.5
85	205	205	157	109	84.8	60.4	49.7	40.8	41.9	37.3	35.2	27.8	24.2	20.6	21.1	19.9	21.3	20.5	22.5
90	4.44	9.76	5.14	5.22	5.15	5.08	4.94	4.76	4.69	4.26	3.59	2.96	2.41	1.99	1.66	1.36	1.41	1.49	2.31
95	4.32	4.28	4.15	4.02	3.83	3.63	3.39	3.13	2.83	2.53	2.21	1.96	1.74	1.60	1.49	1.47	1.43	1.45	1.46
100	5.22	5.09	4.84	4.62	4.35	4.14	3.87	3.63	3.33	3.05	2.74	2.49	2.26	2.13	2.02	1.99	1.94	1.96	1.97
105	6.13	5.95	5.65	5.37	5.05	4.80	4.54	4.32	4.03	3.77	3.45	3.22	2.96	2.82	2.68	2.63	2.58	2.61	2.62
110	6.91	6.72	6.41	6.09	5.74	5.47	5.21	5.01	4.76	4.53	4.23	3.99	3.73	3.58	3.43	3.38	3.32	3.35	3.37
115	7.53	7.36	7.08	6.79	6.44	6.18	5.90	5.70	5.45	5.25	4.98	4.77	4.51	4.37	4.22	4.18	4.12	4.15	4.16
120	7.96	7.83	7.60	7.34	7.04	6.78	6.51	6.30	6.07	5.89	5.65	5.47	5.26	5.15	5.03	4.99	4.93	4.96	4.97
125	8.18	8.10	7.92	7.70	7.43	7.18	6.95	6.76	6.56	6.39	6.20	6.06	5.93	5.87	5.78	5.75	5.69	5.72	5.73
130	8.21	8.17	8.06	7.87	7.64	7.41	7.19	7.02	6.86	6.74	6.63	6.57	6.51	6.50	6.43	6.41	6.37	6.40	6.40
135	8.09	8.08	8.03	7.90	7.72	7.53	7.35	7.21	7.10	7.03	6.98	6.98	6.98	6.97	6.94	6.94	6.92	6.93	6.93
140	7.94	7.92	7.90	7.84	7.75	7.64	7.52	7.42	7.34	7.31	7.29	7.30	7.31	7.30	7.30	7.33	7.32	7.32	7.32
145	7.88	7.84	7.81	7.79	7.76	7.72	7.67	7.62	7.57	7.54	7.53	7.52	7.51	7.52	7.54	7.57	7.57	7.57	7.59
150	7.93	7.89	7.86	7.84	7.82	7.80	7.79	7.77	7.76	7.75	7.71	7.69	7.67	7.68	7.70	7.72	7.72	7.72	7.74
155	8.07	8.03	8.00	7.97	7.95	7.93	7.92	7.92	7.91	7.88	7.86	7.85	7.85	7.86	7.87	7.88	7.88	7.87	7.88
160	8.24	8.19	8.16	8.12	8.09	8.06	8.04	8.02	8.01	8.00	7.99	8.00	8.01	8.03	8.04	8.04	8.04	8.03	8.03
165	8.41	8.35	8.31	8.26	8.22	8.18	8.16	8.14	8.13	8.10	8.12	8.12	8.14	8.15	8.16	8.16	8.16	8.15	8.15
170	8.59	8.52	8.48	8.43	8.39	8.34	8.31	8.28	8.24	8.22	8.23	8.21	8.22	8.21	8.22	8.22	8.23	8.22	8.23
175	8.77	8.67	8.62	8.55	8.51	8.44	8.40	8.35	8.30	8.27	8.26	8.24	8.23	8.21	8.20	8.20	8.20	8.20	8.20
180	8.81	8.70	8.65	8.58	8.54	8.47	8.43	8.35	8.30	8.27	8.24	8.20	8.18	8.14	8.13	8.12	8.11	8.10	8.10

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 5.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Temperature:25.3DEG	Humidity:65.0%
Operators:S	Test Distance:7.850m [K=1.0000]
Test Date:19 June 2024	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:275.82V I:0.7259A P:196.02W PF:0.9790 Freq:50.03Hz Lamp Flux:34052.4x1 lm		
NAME: ASD-LSB5BHV-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--4

UNIT: X10cd

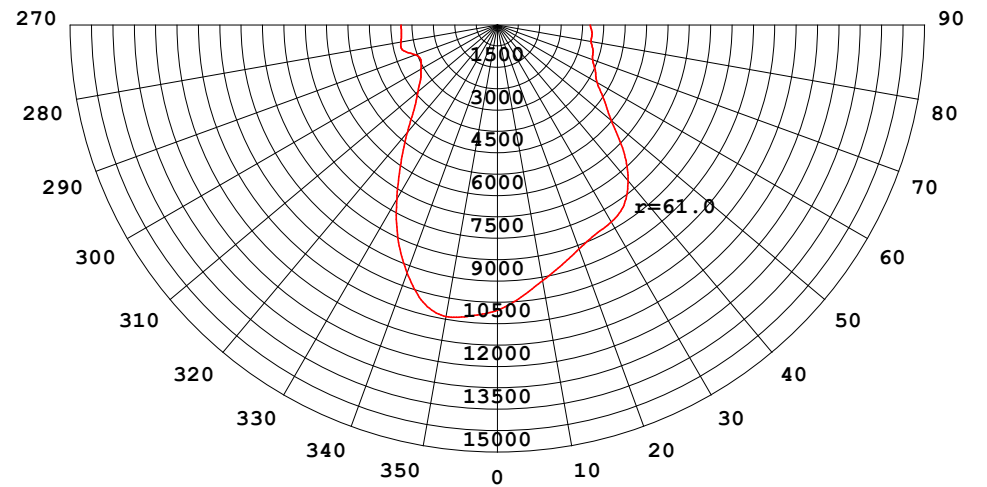
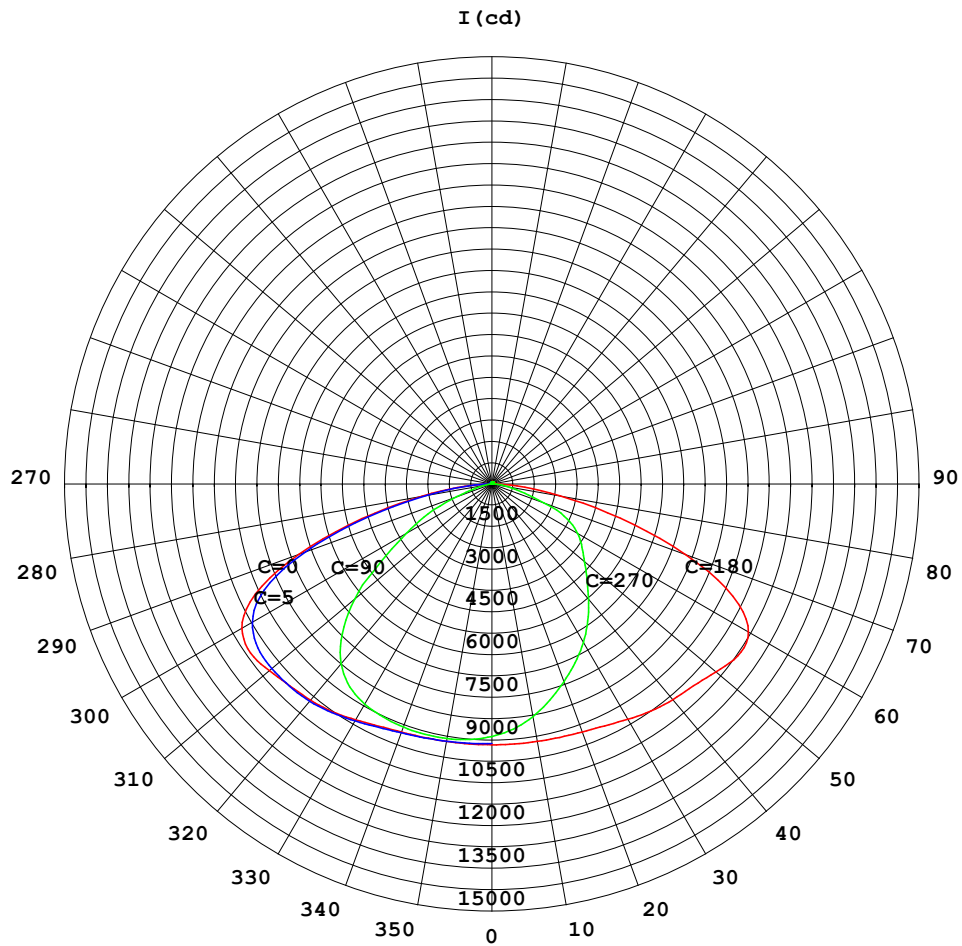
C (DEG) \ γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	885	885	885	887	887	888	888	889	889	889	889	889	889	890	890				
5	863	864	866	868	869	873	874	876	878	880	881	884	885	887	889				
10	830	834	836	842	845	851	854	860	864	869	873	877	882	886	889				
15	789	794	799	807	813	822	828	838	845	854	862	870	878	885	891				
20	745	752	759	768	777	788	798	812	823	837	849	863	875	886	896				
25	701	709	718	730	740	754	767	784	801	819	838	857	876	892	907				
30	656	668	679	693	705	721	737	757	779	804	830	857	884	907	927				
35	606	623	638	656	672	691	708	732	759	791	825	862	898	927	950				
40	551	570	589	612	633	658	681	711	743	782	825	869	909	940	964				
45	492	510	525	549	573	610	646	687	726	770	817	865	907	945	974				
50	437	448	447	469	496	541	583	637	689	740	793	852	911	961	998				
55	393	385	377	394	415	459	503	572	633	713	788	866	946	1003	1032				
60	354	322	308	324	343	382	428	507	599	704	819	915	1000	1039	1033				
65	293	245	239	252	271	306	354	442	573	719	843	944	985	985	939				
70	182	172	179	192	207	237	282	379	520	680	764	804	797	773	725				
75	89.8	102	113	136	155	185	226	305	409	546	607	609	564	541	502				
80	47.2	53.8	62.5	80.2	97.7	124	144	185	231	306	349	386	390	376	306				
85	22.7	26.8	29.4	36.2	40.4	47.0	49.4	61.4	75.2	104	129	189	236	226	145				
90	3.04	4.86	5.44	6.10	6.17	6.56	6.32	7.03	10.3	8.26	12.5	10.8	30.1	35.2	13.3				
95	1.98	3.19	3.49	3.64	3.69	3.87	3.96	4.10	4.27	4.54	4.86	5.10	5.34	5.51	5.61				
100	2.47	3.38	3.74	3.77	3.80	3.92	4.02	4.17	4.73	5.19	5.58	5.89	6.16	6.46	6.52				
105	3.18	4.02	4.27	4.28	4.29	4.41	4.47	4.68	5.00	5.38	5.76	6.11	6.39	6.77	6.78				
110	3.88	4.74	4.89	4.87	4.84	4.91	5.01	5.22	5.46	5.71	6.06	6.34	6.63	6.83	6.95				
115	4.69	5.41	5.44	5.42	5.31	5.37	5.60	5.79	6.07	6.34	6.67	6.94	7.22	7.38	7.49				
120	5.50	6.02	5.93	5.87	5.84	6.03	6.27	6.48	6.76	6.99	7.27	7.48	7.70	7.83	7.91				
125	6.21	6.59	6.36	6.27	6.45	6.64	6.89	7.08	7.31	7.49	7.68	7.82	7.97	8.06	8.10				
130	6.83	7.05	6.67	6.73	6.95	7.14	7.37	7.54	7.71	7.81	7.93	8.01	8.08	8.13	8.13				
135	7.30	7.44	7.11	7.18	7.34	7.49	7.68	7.81	7.92	8.00	8.07	8.12	8.15	8.13	8.09				
140	7.63	7.69	7.51	7.53	7.63	7.74	7.85	7.95	8.03	8.10	8.15	8.19	8.18	8.12	8.04				
145	7.91	7.84	7.76	7.78	7.83	7.89	7.97	8.04	8.10	8.13	8.17	8.18	8.17	8.10	7.99				
150	8.01	7.89	7.90	7.94	7.98	8.01	8.07	8.13	8.18	8.20	8.21	8.19	8.17	8.12	8.00				
155	8.07	7.99	8.00	8.04	8.09	8.12	8.17	8.22	8.28	8.32	8.32	8.29	8.25	8.21	8.11				
160	8.16	8.09	8.10	8.13	8.17	8.20	8.26	8.32	8.38	8.43	8.45	8.43	8.40	8.35	8.28				
165	8.23	8.19	8.20	8.21	8.24	8.27	8.30	8.35	8.40	8.46	8.51	8.54	8.52	8.48	8.44				
170	8.26	8.25	8.25	8.26	8.29	8.31	8.34	8.39	8.43	8.48	8.53	8.58	8.61	8.60	8.57				
175	8.22	8.21	8.22	8.23	8.26	8.28	8.32	8.36	8.41	8.45	8.50	8.56	8.63	8.68	8.69				
180	8.12	8.12	8.14	8.15	8.18	8.19	8.23	8.26	8.31	8.35	8.39	8.42	8.48	8.57	8.68				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:19 June 2024

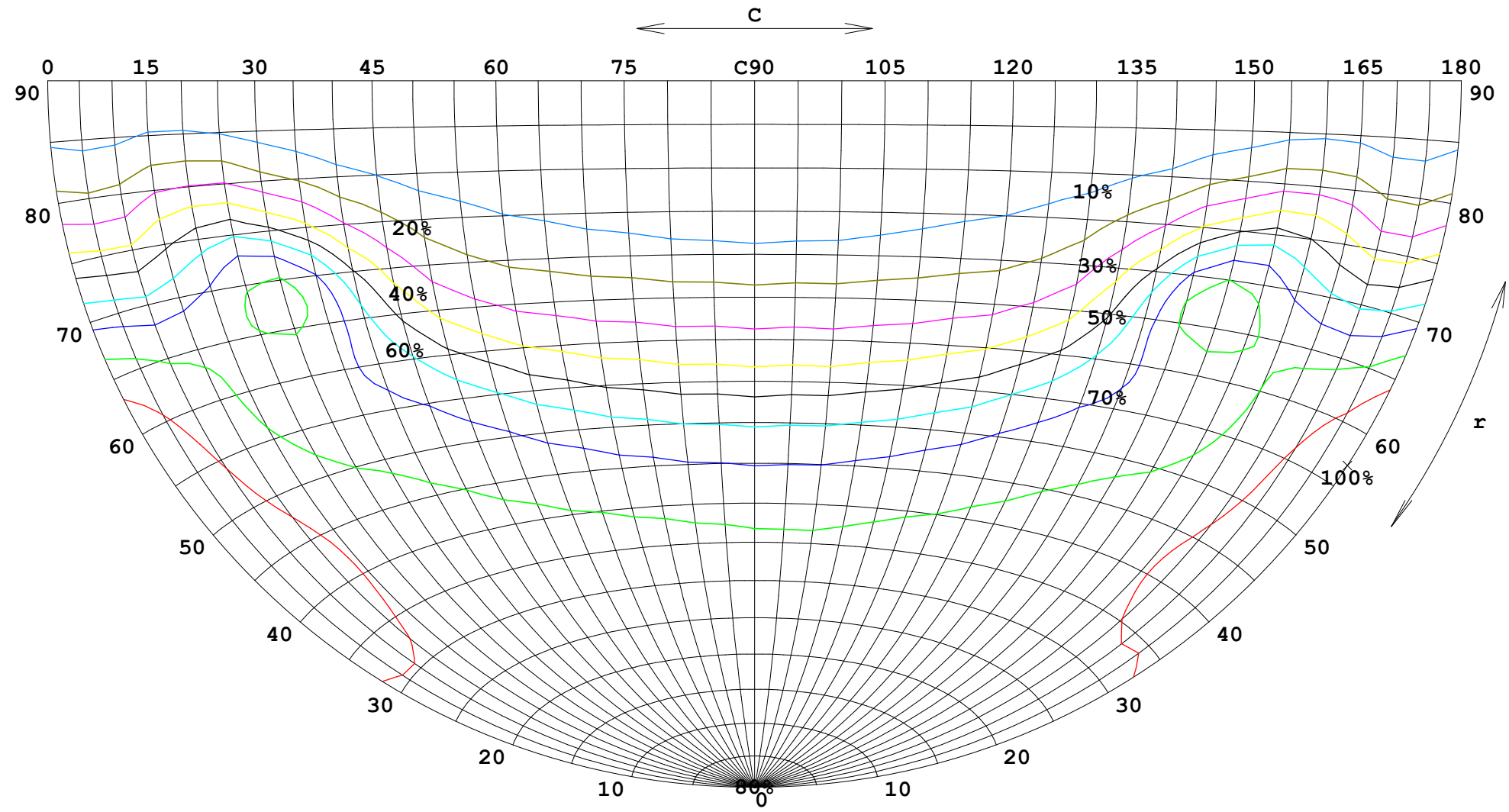
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

FLUX DATA:

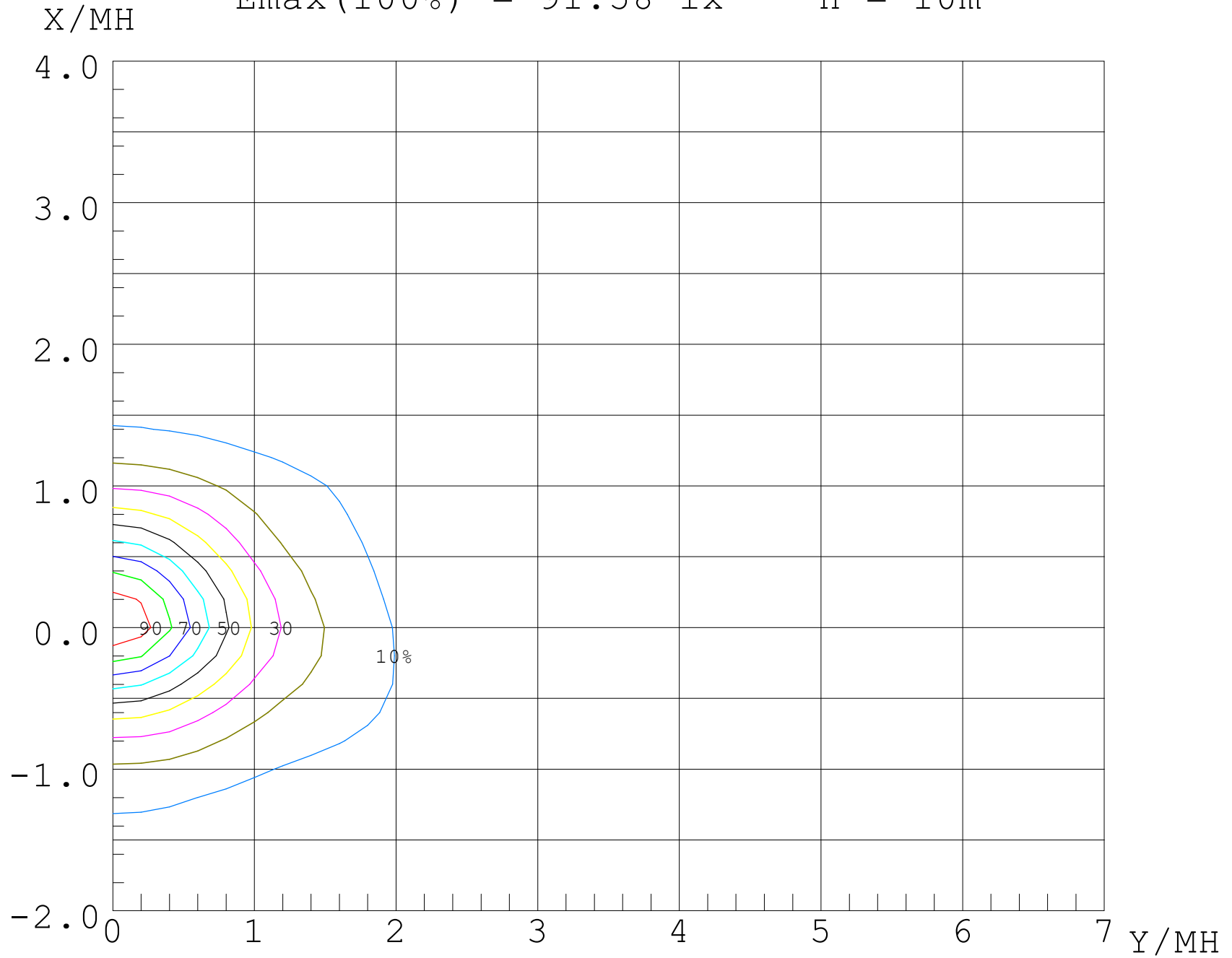
LOR: 100.0 %
STREET DOWN: 17781 lm
STREET UP: 156.7 lm
HOUSE DOWN: 15922 lm
HOUSE UP: 192.5 lm



$I_{max}(100\%) = 10710 \text{ cd}$



$E_{\max}(100\%) = 91.58 \text{ lx}$ $H = 10\text{m}$



UF (%)

80

70

60

50

40

30

20

10

0

-2

-1

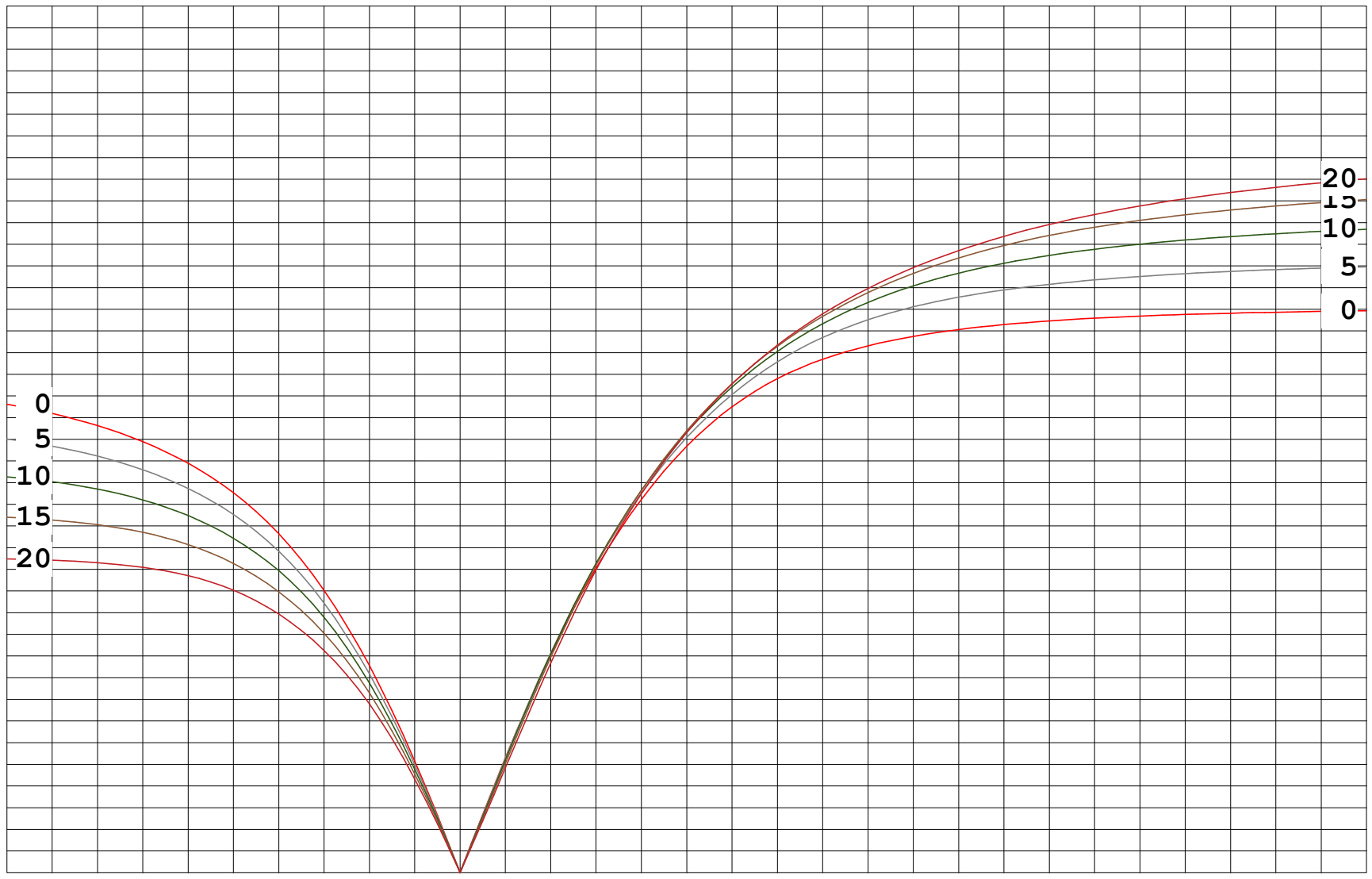
0

1

2

3

4 X/MH



0

5

10

15

20

20

15

10

5

0