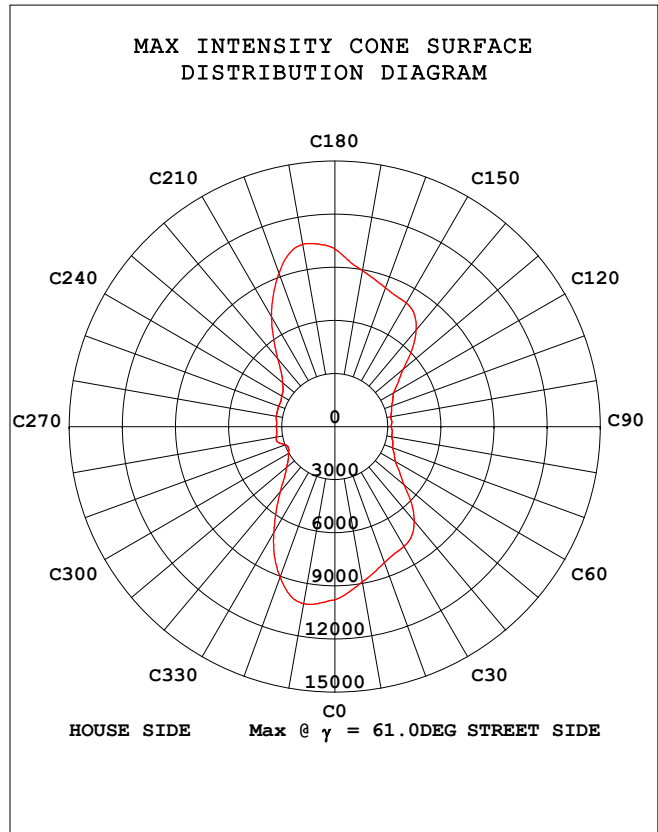
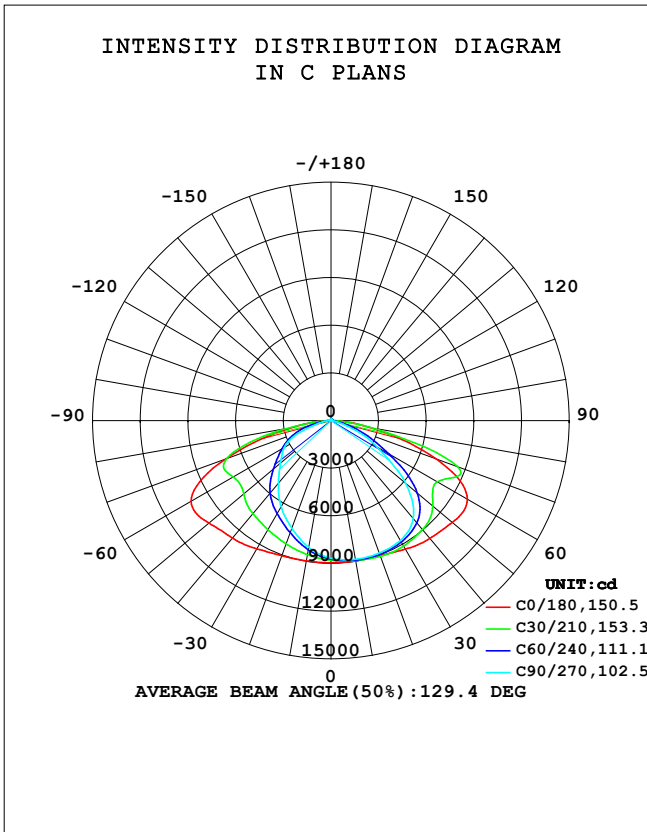


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.53V I:1.6857A P:195.60W PF:0.9790 Freq:50.03Hz Lamp Flux:33272.8x1 lm		
NAME: ASD-LSB5B-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 170.10 lm/W			
MODEL	ASD-LSB5B-PRO-200BR	I _{max} (cd)	10465	η street_up (%)	0.5
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	52.2
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	33273	η house_up (%)	0.6
NOMINAL FLUX (lm)	33272.8	MAXIMUM @ (C, γ)	190,61.0	η house_down (%)	46.8
LAMPS INSIDE	1	η up (%)	1.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	99.0	SLI	

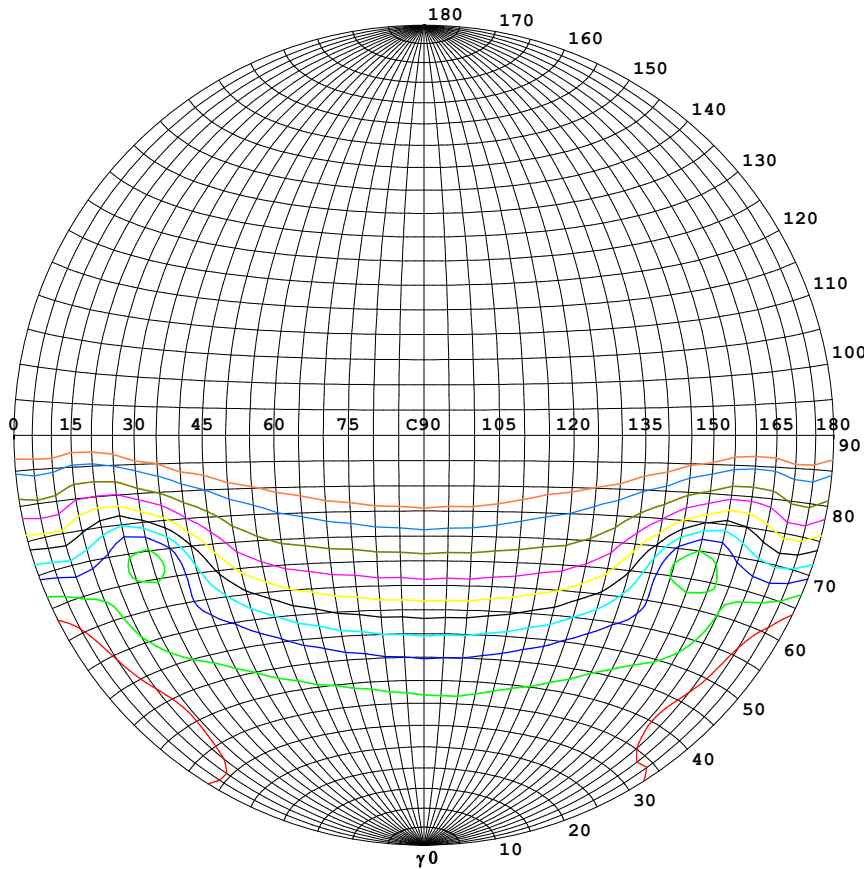


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:19 June 2024

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:118.53V I:1.6857A P:195.60W PF:0.9790 Freq:50.03Hz Lamp Flux:33272.8x1 lm		
NAME: ASD-LSB5B-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



Classification:

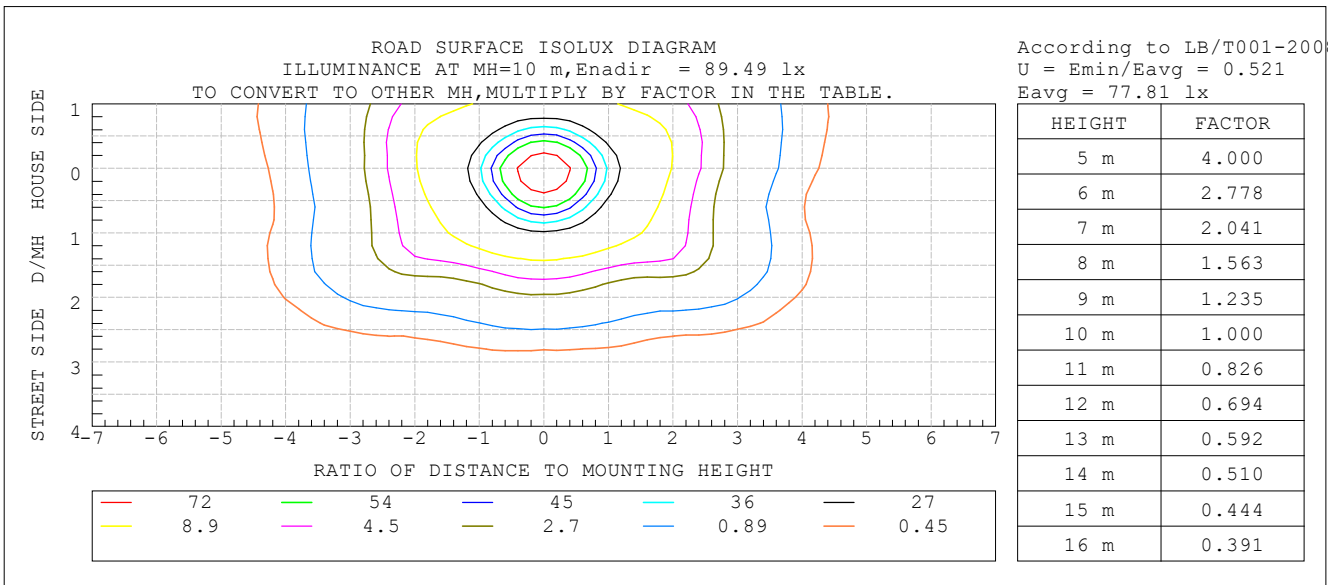
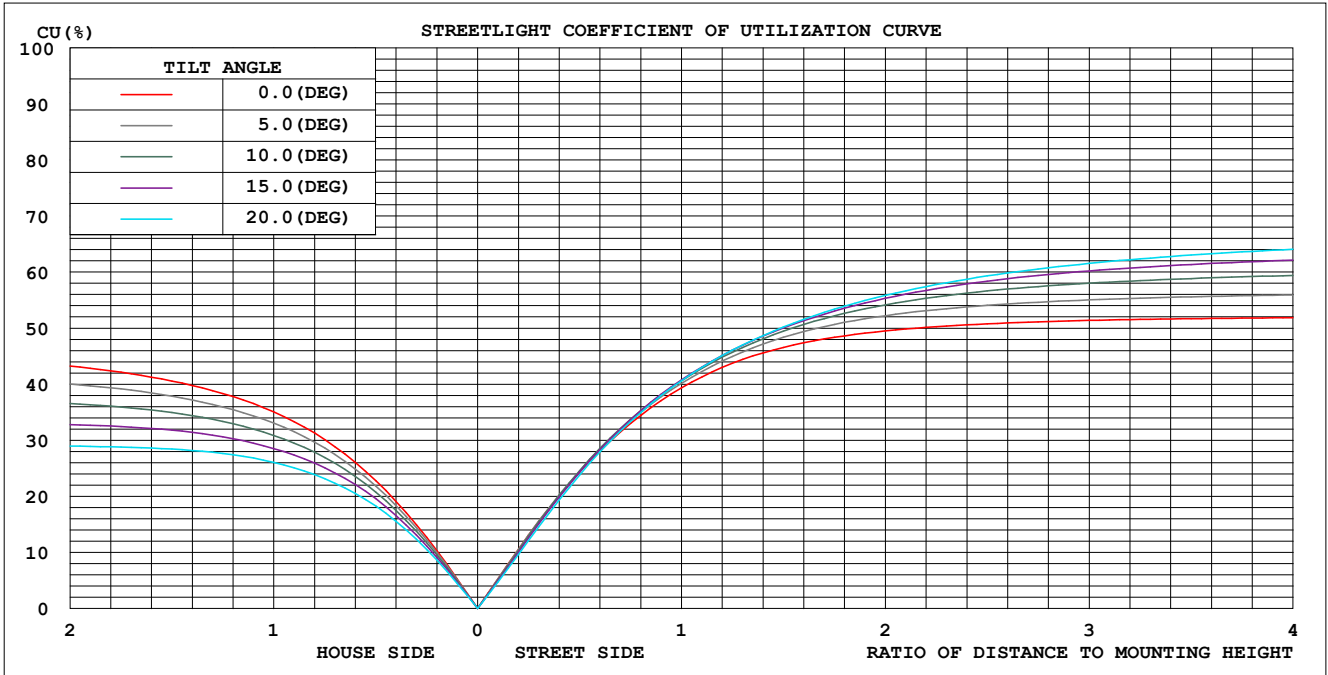
IES:Type III - Short
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:114.6cd/klm
 Max.At90:10.35cd/klm
 Max.80-90:114.6cd/klm
 NRB 5101:Semi limited[16.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10465
90%	9418
80%	8372
70%	7325
60%	6279
50%	5232
40%	4186
30%	3139
20%	2093
10%	1046
5%	523

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:

**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:118.53V I:1.6857A P:195.60W PF:0.9790 Freq:50.03Hz Lamp Flux:33272.8x1 lm		
NAME: ASD-LSB5B-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

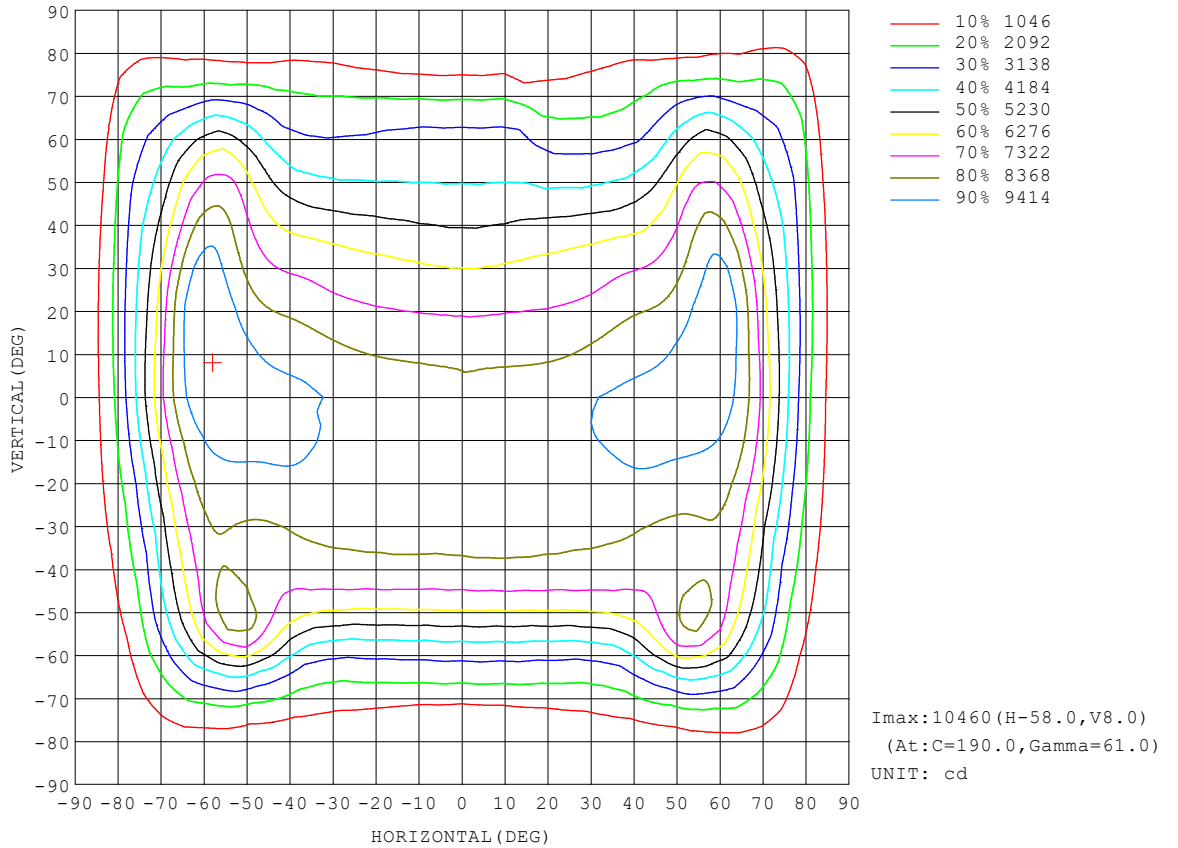
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	897.0	892.9	886.9	888.4	897.2	839.3	810.7	834.2	0- 10	829.2	829.2	2.49,2.49
20	906.1	902.6	887.9	899.7	905.7	783.8	722.3	780.2	10- 20	2423	3252	9.77,9.77
30	934.5	894.1	872.5	890.9	932.6	724.3	628.1	720.1	20- 30	3858	7110	21.4,21.4
40	968.6	860.0	804.6	859.0	966.0	667.5	516.2	665.9	30- 40	5064	12174	36.6,36.6
50	997.4	794.4	614.8	791.1	1004	576.0	415.6	570.0	40- 50	5818	17992	54.1,54.1
60	990.5	634.5	339.1	637.3	1016	441.0	340.4	418.4	50- 60	5847	23839	71.6,71.6
70	703.7	373.5	127.4	372.3	706.5	315.3	189.4	275.9	60- 70	5279	29118	87.5,87.5
80	243.9	103.3	17.53	96.38	237.6	135.6	56.38	140.8	70- 80	3103	32221	96.8,96.8
90	2.895	1.538	0.7519	4.477	3.330	4.648	1.374	6.178	80- 90	710.4	32932	99,99
100	4.417	2.444	1.410	5.492	5.196	3.550	1.893	3.927	90-100	37.53	32969	99.1,99.1
110	6.064	3.644	2.310	3.700	6.850	4.899	3.245	4.892	100-110	42.16	33011	99.2,99.2
120	7.038	4.731	3.320	4.728	7.746	6.152	4.817	6.126	110-120	49.89	33061	99.4,99.4
130	7.228	5.551	4.275	5.312	7.908	6.860	6.225	7.199	120-130	53.81	33115	99.5,99.5
140	7.166	6.040	5.072	6.037	7.787	7.255	7.149	7.671	130-140	50.99	33166	99.7,99.7
150	7.297	6.539	5.819	6.514	7.899	7.592	7.544	7.885	140-150	43.66	33210	99.8,99.8
160	7.714	7.135	6.572	6.696	8.217	7.835	7.859	8.066	150-160	33.64	33243	99.9,99.9
170	8.337	7.757	7.358	7.428	8.597	8.090	8.041	8.152	160-170	21.80	33265	100,100
180	8.754	8.163	7.920	8.040	8.783	8.157	7.926	8.042	170-180	7.669	33273	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

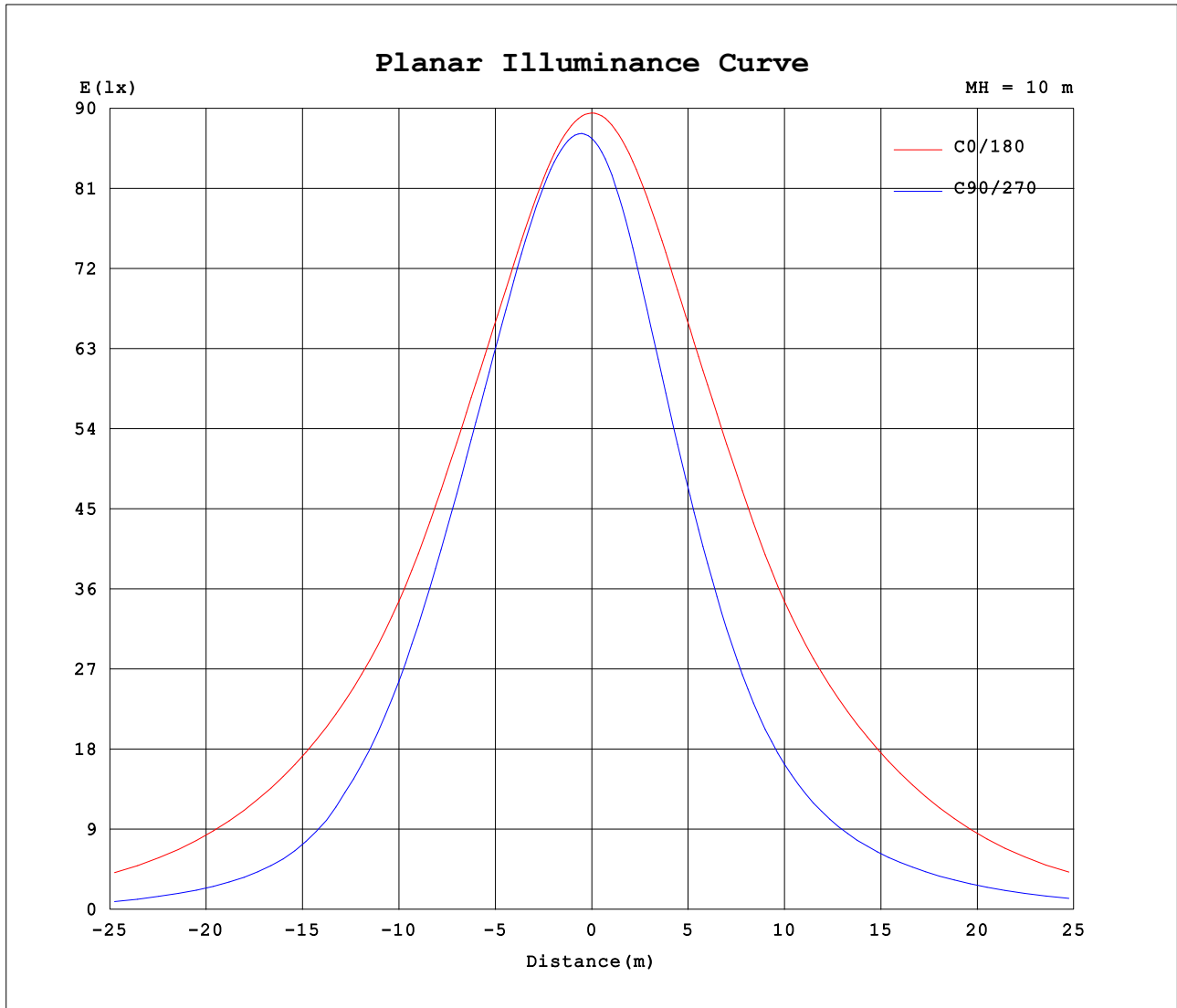
Test:U:118.53V I:1.6857A P:195.60W PF:0.9790 Freq:50.03Hz Lamp Flux:33272.8x1 lm		
NAME: ASD-LSB5B-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



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



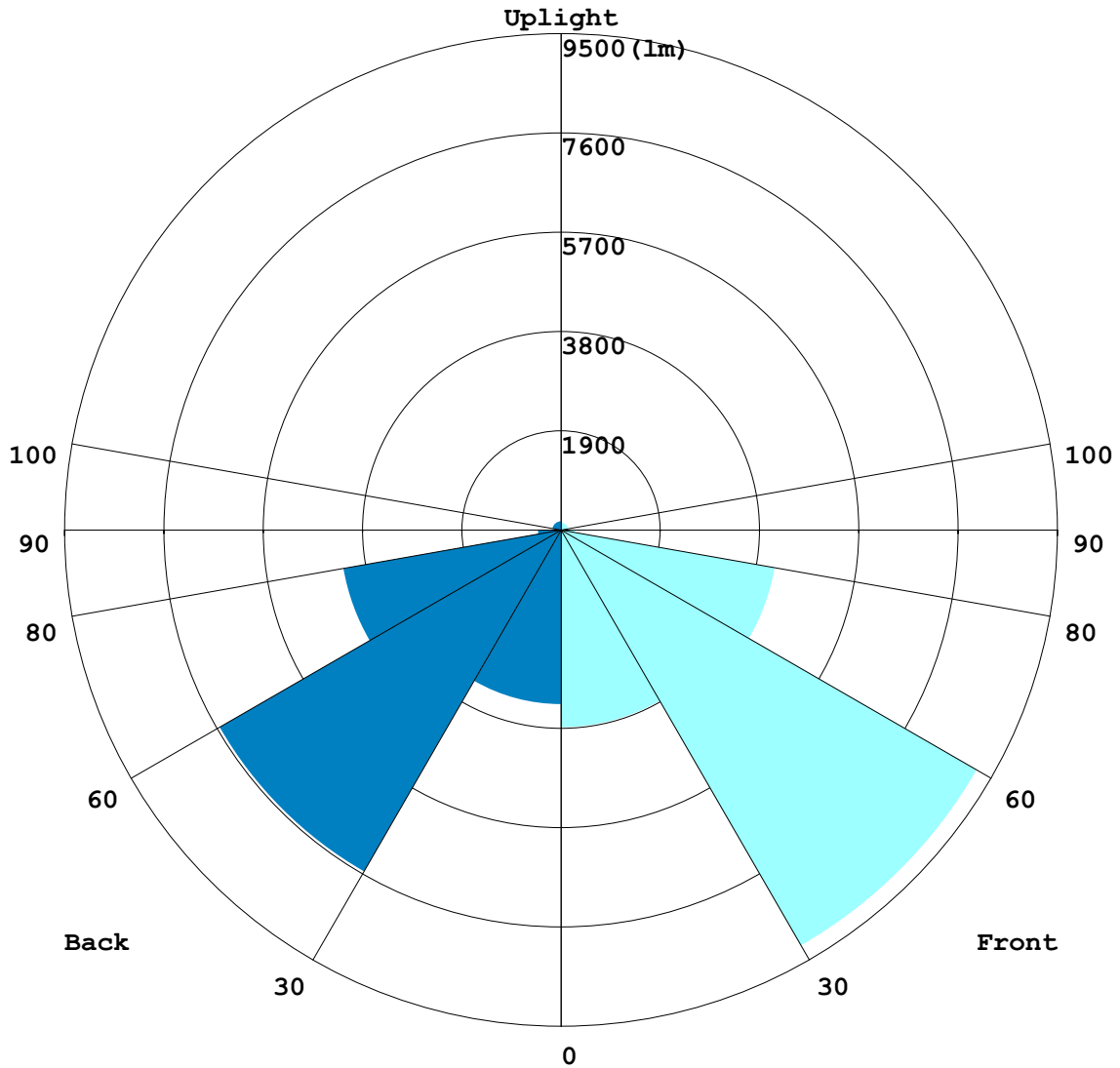
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:19 June 2024

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:118.53V I:1.6857A P:195.60W PF:0.9790 Freq:50.03Hz		
Lamp Flux:33272.8x1 lm		
NAME: ASD-LSB5B-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:118.53V I:1.6857A P:195.60W PF:0.9790 Freq:50.03Hz Lamp Flux:33272.8x1 lm		
NAME: ASD-LSB5B-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)	3773.7	11.3
FM - Front-Medium(30-60)	9181.9	27.6
FH - Front-High(60-80)	4152.5	12.5
FVH - Front-Very High(80-90)	265.63	0.8
Total Forward Light	17527	52.7

BL - Back-Low(0-30)	3336.5	10.0
BM - Back-Medium(30-60)	7547	22.7
BH - Back-High(60-80)	4229.7	12.7
BVH - Back-Very High(80-90)	444.74	1.3
Total Back Light	15746	47.3

UL - Uplight-Low(90-100)	37.532	0.1
UH - Uplight-High(100-180)	303.62	0.9
Total Up Light	341.15	1.0

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

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15558	188.08	15746
Street Side	17374	153.07	17527

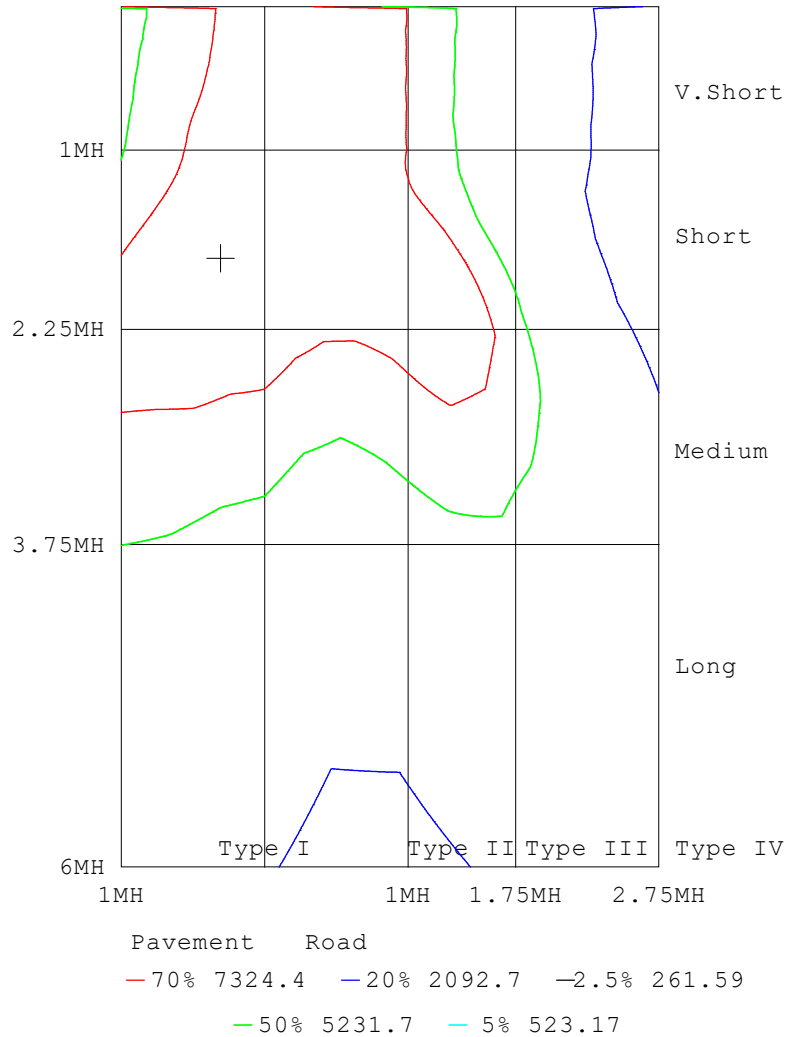
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:19 June 2024

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:118.53V I:1.6857A P:195.60W PF:0.9790 Freq:50.03Hz Lamp Flux:33272.8x1 lm		
NAME: ASD-LSB5B-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:118.53V I:1.6857A P:195.60W PF:0.9790 Freq:50.03Hz Lamp Flux:33272.8x1 lm		
NAME: ASD-LSB5B-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	895	891	888	885	883	881	879	878	877	875	874	873	873	871	871	869	869	867	866
5	895	893	891	890	889	888	887	887	886	885	885	885	885	884	883	883	882	881	880
10	897	896	896	895	895	894	895	894	894	893	893	892	892	891	891	890	889	888	887
15	900	901	902	903	903	902	902	901	900	899	898	897	896	895	894	893	892	890	889
20	906	909	911	912	912	911	909	907	905	903	900	898	897	895	893	892	891	889	888
25	917	921	924	924	921	918	914	910	906	902	898	895	893	891	889	888	886	884	883
30	935	939	940	936	929	921	913	906	899	894	889	887	884	882	880	879	876	875	872
35	954	958	956	947	934	920	906	895	885	879	873	871	867	866	862	860	856	854	850
40	969	973	969	956	937	916	896	880	868	860	853	849	841	836	827	822	814	811	805
45	980	981	971	953	928	904	879	861	846	836	823	811	793	780	762	752	738	734	726
50	997	986	959	928	891	862	836	821	807	794	769	743	708	685	657	644	627	623	615
55	1011	980	937	893	846	810	782	769	753	728	679	633	585	555	514	497	477	475	465
60	991	949	902	860	819	790	772	751	706	634	545	477	424	397	372	362	348	348	339
65	896	862	826	815	817	834	850	796	651	504	393	336	296	280	265	261	250	248	242
70	704	681	659	691	746	828	847	738	530	374	272	228	192	177	160	153	140	133	127
75	462	440	437	507	573	619	552	439	320	237	168	135	107	93.0	77.3	71.1	62.9	61.2	57.8
80	244	225	237	305	318	319	259	198	140	103	69.2	56.0	42.1	36.0	27.0	24.5	20.3	19.7	17.5
85	93.3	80.9	85.2	115	115	99.2	66.9	52.6	26.4	17.5	12.0	8.00	5.66	4.49	3.25	2.57	1.82	1.45	1.04
90	2.89	3.17	9.73	2.82	7.33	2.49	2.31	2.08	1.80	1.54	1.27	1.07	0.97	0.88	0.84	0.79	0.77	0.73	0.75
95	3.51	3.42	3.36	3.22	3.10	2.91	2.72	2.44	2.20	1.91	1.69	1.47	1.32	1.20	1.13	1.07	1.05	1.03	1.03
100	4.42	4.28	4.16	3.97	3.80	3.58	3.36	3.06	2.78	2.44	2.19	1.93	1.75	1.60	1.52	1.46	1.43	1.40	1.41
105	5.31	5.14	4.98	4.73	4.52	4.25	4.01	3.69	3.40	3.04	2.76	2.46	2.26	2.07	1.97	1.89	1.86	1.82	1.84
110	6.06	5.88	5.68	5.41	5.17	4.89	4.63	4.31	4.01	3.64	3.34	3.02	2.79	2.57	2.46	2.36	2.33	2.29	2.31
115	6.65	6.46	6.25	5.99	5.76	5.49	5.23	4.89	4.58	4.21	3.90	3.56	3.32	3.09	2.96	2.85	2.83	2.79	2.81
120	7.04	6.86	6.66	6.45	6.24	5.99	5.73	5.40	5.09	4.73	4.42	4.09	3.85	3.61	3.47	3.37	3.36	3.31	3.32
125	7.22	7.07	6.90	6.73	6.55	6.34	6.10	5.82	5.53	5.19	4.88	4.57	4.33	4.11	3.99	3.90	3.88	3.83	3.83
130	7.23	7.11	7.00	6.89	6.77	6.59	6.40	6.14	5.87	5.55	5.25	4.96	4.73	4.55	4.45	4.38	4.33	4.28	4.27
135	7.19	7.13	7.08	7.03	6.93	6.78	6.60	6.36	6.10	5.82	5.55	5.29	5.11	4.96	4.87	4.79	4.73	4.69	4.69
140	7.17	7.17	7.16	7.14	7.05	6.91	6.72	6.50	6.27	6.04	5.83	5.62	5.48	5.35	5.27	5.18	5.12	5.08	5.07
145	7.20	7.24	7.24	7.21	7.11	6.98	6.82	6.65	6.47	6.28	6.12	5.96	5.85	5.73	5.65	5.55	5.50	5.46	5.46
150	7.30	7.33	7.33	7.29	7.20	7.10	6.98	6.83	6.69	6.54	6.41	6.29	6.20	6.09	6.02	5.94	5.89	5.83	5.82
155	7.46	7.49	7.47	7.43	7.35	7.27	7.18	7.06	6.94	6.82	6.72	6.61	6.53	6.44	6.38	6.30	6.24	6.19	6.17
160	7.71	7.74	7.71	7.66	7.60	7.53	7.45	7.33	7.23	7.14	7.06	6.97	6.91	6.82	6.77	6.69	6.64	6.59	6.57
165	8.02	8.04	8.00	7.95	7.89	7.81	7.72	7.63	7.54	7.46	7.40	7.33	7.28	7.22	7.17	7.10	7.05	7.01	6.99
170	8.34	8.33	8.28	8.23	8.16	8.07	7.98	7.91	7.83	7.76	7.71	7.65	7.60	7.55	7.50	7.45	7.41	7.38	7.36
175	8.65	8.63	8.53	8.45	8.34	8.26	8.18	8.12	8.06	7.99	7.93	7.89	7.85	7.81	7.76	7.72	7.69	7.67	7.65
180	8.75	8.72	8.59	8.52	8.44	8.39	8.33	8.29	8.23	8.16	8.10	8.08	8.05	8.02	7.99	7.96	7.93	7.94	7.92

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:118.53V I:1.6857A P:195.60W PF:0.9790 Freq:50.03Hz Lamp Flux:33272.8x1 lm		
NAME: ASD-LSB5B-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	864	864	865	864	865	866	867	868	867	869	868	869	869	869	869	869	869	895	891
5	878	878	879	878	878	879	880	880	879	879	878	878	876	876	874	873	872	896	890
10	885	885	886	887	887	888	888	889	888	889	887	887	884	883	881	878	875	897	890
15	888	888	888	891	891	893	894	895	896	896	896	895	893	892	889	885	881	900	891
20	886	886	888	891	891	894	896	898	900	902	903	904	903	902	899	895	890	906	894
25	881	881	883	886	887	890	893	896	899	902	906	909	911	913	912	910	904	916	902
30	871	870	873	876	878	879	883	886	891	896	902	909	915	922	926	928	924	933	918
35	849	849	853	857	861	863	867	871	876	883	893	904	917	931	941	948	946	951	936
40	806	806	813	823	832	838	846	852	859	868	881	898	917	937	953	962	962	966	947
45	730	731	745	758	777	791	809	822	835	846	861	879	902	925	948	965	972	979	958
50	621	621	636	651	679	704	740	768	791	802	816	831	859	891	928	961	985	1004	987
55	470	470	487	507	546	575	627	676	726	750	765	783	815	856	903	948	989	1029	1031
60	345	342	353	365	389	414	467	539	637	719	770	793	810	837	872	910	954	1016	1043
65	246	245	252	261	273	286	327	387	512	684	841	884	848	814	801	806	842	913	944
70	132	135	146	158	172	185	218	266	372	537	752	838	802	706	643	610	636	706	720
75	60.9	61.0	67.8	78.9	92.6	105	129	162	229	308	423	516	566	525	455	383	389	457	485
80	19.6	19.4	22.7	30.8	38.7	42.8	53.6	66.0	96.4	128	184	230	273	276	257	195	189	238	289
85	1.57	1.94	2.70	9.24	10.2	10.3	11.7	14.0	20.3	27.7	46.0	58.2	83.1	89.2	85.2	62.5	62.4	88.1	126
90	0.74	0.92	0.81	6.90	6.87	6.54	5.90	4.73	4.48	3.98	3.75	3.60	3.47	3.54	3.35	3.38	3.17	3.33	13.0
95	1.03	1.07	1.10	3.01	6.26	6.75	6.54	5.72	5.14	5.00	4.75	4.50	4.31	4.21	4.07	4.04	3.91	4.24	4.28
100	1.41	1.45	1.49	3.88	5.10	5.46	5.68	5.21	5.49	5.28	5.26	5.05	5.12	4.76	4.69	4.68	4.58	5.20	5.23
105	1.83	1.89	1.92	1.96	2.79	3.29	3.54	3.34	3.77	3.90	4.26	4.51	4.65	4.78	4.90	5.09	5.22	6.10	6.13
110	2.30	2.36	2.40	2.37	2.51	2.74	3.01	3.37	3.70	4.09	4.38	4.70	4.95	5.24	5.48	5.76	5.92	6.85	6.87
115	2.80	2.86	2.90	2.98	3.01	3.29	3.56	3.92	4.26	4.64	4.95	5.27	5.52	5.83	6.04	6.32	6.51	7.40	7.45
120	3.31	3.38	3.41	3.51	3.57	3.80	4.07	4.41	4.73	5.07	5.38	5.69	6.03	6.44	6.70	6.94	7.01	7.75	7.82
125	3.81	3.87	3.90	3.93	3.96	4.22	4.47	4.78	5.07	5.38	5.65	6.03	6.38	6.72	7.00	7.25	7.16	7.91	7.98
130	4.26	4.31	4.35	4.31	4.44	4.59	4.79	5.05	5.31	5.65	5.98	6.35	6.60	6.92	7.16	7.30	7.16	7.91	7.97
135	4.67	4.71	4.75	4.79	4.86	5.01	5.16	5.41	5.68	6.01	6.30	6.53	6.81	7.05	7.26	7.16	7.10	7.84	7.86
140	5.06	5.08	5.11	5.16	5.33	5.49	5.65	5.85	6.04	6.21	6.40	6.61	6.86	7.02	7.10	7.01	7.01	7.79	7.76
145	5.43	5.45	5.45	5.48	5.53	5.90	6.03	6.18	6.29	6.45	6.57	6.75	6.92	6.92	6.88	6.83	6.93	7.81	7.73
150	5.78	5.78	5.77	5.79	5.82	5.95	6.15	6.41	6.51	6.61	6.75	6.83	6.85	6.83	6.76	6.86	6.96	7.90	7.80
155	6.12	6.12	6.10	6.11	6.12	6.17	6.23	6.45	6.63	6.69	6.80	6.84	6.75	6.82	6.92	7.01	7.11	8.04	7.94
160	6.52	6.51	6.49	6.51	6.51	6.55	6.58	6.64	6.70	6.87	6.90	7.00	7.04	7.13	7.17	7.28	7.39	8.22	8.11
165	6.95	6.95	6.93	6.94	6.93	6.96	6.97	7.02	7.05	7.12	7.18	7.28	7.32	7.40	7.46	7.56	7.69	8.40	8.30
170	7.32	7.31	7.30	7.31	7.31	7.34	7.35	7.40	7.43	7.49	7.53	7.60	7.64	7.71	7.76	7.86	7.98	8.60	8.48
175	7.64	7.63	7.63	7.64	7.65	7.68	7.69	7.74	7.77	7.82	7.86	7.92	7.96	8.02	8.07	8.17	8.30	8.79	8.67
180	7.92	7.91	7.92	7.94	7.95	7.97	7.98	8.01	8.04	8.08	8.12	8.16	8.19	8.23	8.28	8.38	8.48	8.78	8.69

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:118.53V I:1.6857A P:195.60W PF:0.9790 Freq:50.03Hz Lamp Flux:33272.8x1 lm		
NAME: ASD-LSB5B-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	888	885	883	881	879	878	877	875	874	873	873	871	871	869	869	867	866	864	864
5	885	881	877	873	870	866	863	860	858	855	854	851	850	847	847	844	844	841	842
10	883	877	870	863	858	851	846	839	835	829	826	821	819	815	814	810	811	807	810
15	881	872	862	852	843	832	824	813	806	797	791	783	779	773	772	768	768	765	769
20	882	868	855	840	826	811	798	784	773	761	752	742	736	730	726	722	722	720	724
25	887	869	849	829	809	789	772	754	740	725	714	702	695	686	682	677	676	675	680
30	898	875	848	820	794	768	746	724	708	691	678	664	654	643	636	629	628	627	633
35	912	883	849	812	778	746	720	695	676	657	642	624	610	594	585	575	574	573	582
40	920	887	848	806	765	728	697	667	643	618	597	574	557	539	529	518	516	516	527
45	925	884	839	791	748	706	670	632	598	565	540	514	497	480	471	462	462	462	471
50	946	892	830	771	717	668	624	576	536	498	474	451	439	427	421	415	416	415	421
55	997	936	852	774	699	630	568	509	466	430	412	396	390	385	383	378	378	377	382
60	1045	1001	911	814	712	607	514	441	399	370	358	348	349	347	347	341	340	340	346
65	989	982	933	849	738	595	463	377	337	312	304	295	295	291	291	285	286	285	291
70	766	784	797	770	697	542	405	315	276	252	244	232	224	208	201	187	189	188	203
75	524	547	591	584	526	402	308	240	210	186	170	147	131	115	110	101	103	102	112
80	355	369	365	320	272	201	165	136	125	107	93.9	75.3	66.7	59.4	58.3	55.4	56.4	54.8	58.1
85	200	201	153	106	82.9	59.0	48.6	39.9	40.9	36.5	34.4	27.1	23.6	20.2	20.6	19.5	20.8	20.0	22.0
90	4.34	9.54	5.02	5.10	5.03	4.96	4.83	4.65	4.58	4.16	3.51	2.89	2.36	1.94	1.62	1.32	1.37	1.45	2.25
95	4.22	4.18	4.06	3.92	3.74	3.55	3.31	3.06	2.76	2.47	2.16	1.91	1.70	1.56	1.46	1.43	1.40	1.42	1.42
100	5.11	4.97	4.72	4.51	4.25	4.04	3.78	3.55	3.25	2.98	2.67	2.44	2.21	2.09	1.97	1.94	1.89	1.92	1.92
105	5.99	5.82	5.52	5.25	4.93	4.69	4.43	4.22	3.94	3.68	3.38	3.14	2.89	2.75	2.62	2.57	2.52	2.55	2.56
110	6.75	6.57	6.26	5.96	5.61	5.35	5.09	4.90	4.65	4.43	4.13	3.90	3.65	3.50	3.35	3.30	3.24	3.27	3.29
115	7.36	7.19	6.91	6.63	6.30	6.03	5.76	5.57	5.33	5.13	4.87	4.66	4.41	4.27	4.13	4.09	4.02	4.06	4.07
120	7.78	7.65	7.43	7.18	6.88	6.63	6.36	6.15	5.93	5.75	5.52	5.34	5.14	5.03	4.91	4.88	4.82	4.85	4.86
125	7.99	7.91	7.74	7.52	7.26	7.02	6.79	6.60	6.41	6.25	6.06	5.93	5.79	5.73	5.65	5.61	5.56	5.59	5.60
130	8.02	7.99	7.88	7.69	7.46	7.24	7.03	6.86	6.70	6.59	6.48	6.42	6.36	6.35	6.28	6.27	6.22	6.25	6.26
135	7.90	7.90	7.85	7.72	7.54	7.36	7.18	7.04	6.94	6.87	6.82	6.82	6.82	6.81	6.78	6.79	6.76	6.77	6.78
140	7.76	7.74	7.72	7.66	7.57	7.47	7.35	7.25	7.18	7.14	7.12	7.14	7.14	7.13	7.13	7.16	7.15	7.15	7.15
145	7.70	7.66	7.64	7.61	7.58	7.54	7.50	7.45	7.40	7.37	7.35	7.35	7.34	7.34	7.37	7.40	7.40	7.40	7.41
150	7.75	7.71	7.68	7.66	7.64	7.62	7.61	7.59	7.58	7.57	7.54	7.51	7.49	7.50	7.52	7.54	7.54	7.55	7.56
155	7.89	7.85	7.82	7.78	7.77	7.75	7.74	7.74	7.73	7.70	7.68	7.67	7.67	7.68	7.69	7.70	7.70	7.69	7.70
160	8.05	8.00	7.97	7.94	7.91	7.87	7.85	7.83	7.83	7.82	7.81	7.82	7.83	7.84	7.85	7.86	7.86	7.85	7.85
165	8.22	8.16	8.12	8.07	8.03	8.00	7.97	7.95	7.94	7.91	7.93	7.93	7.95	7.96	7.97	7.97	7.98	7.97	7.97
170	8.39	8.32	8.29	8.24	8.20	8.15	8.12	8.09	8.05	8.03	8.04	8.02	8.03	8.03	8.03	8.03	8.04	8.03	8.04
175	8.57	8.47	8.42	8.35	8.31	8.25	8.21	8.16	8.11	8.08	8.07	8.05	8.04	8.02	8.02	8.01	8.02	8.01	8.01
180	8.61	8.51	8.45	8.38	8.34	8.28	8.24	8.16	8.11	8.08	8.05	8.01	7.99	7.96	7.94	7.93	7.93	7.91	7.92

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:118.53V I:1.6857A P:195.60W PF:0.9790 Freq:50.03Hz Lamp Flux:33272.8x1 lm		
NAME: ASD-LSB5B-PRO-200BR	TYPE:	WEIGHT:
SPEC.: 200W 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--4

UNIT: X10cd

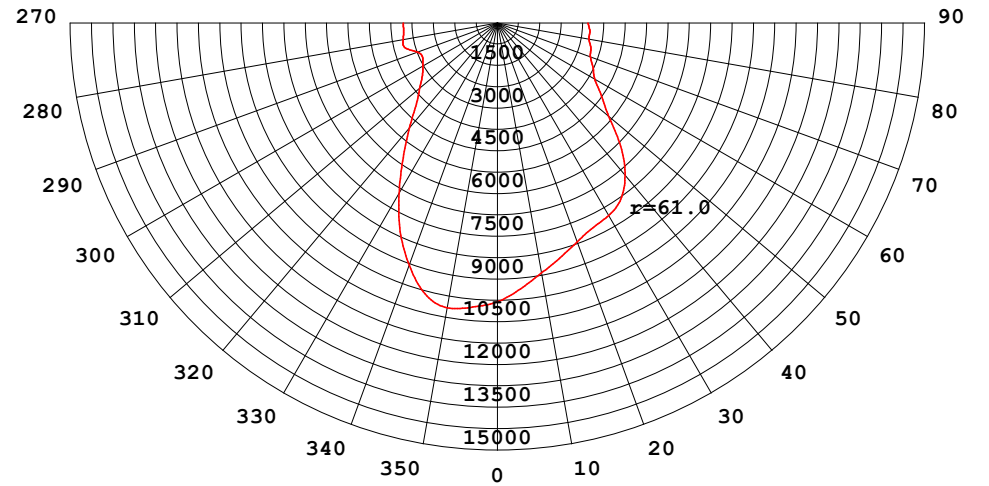
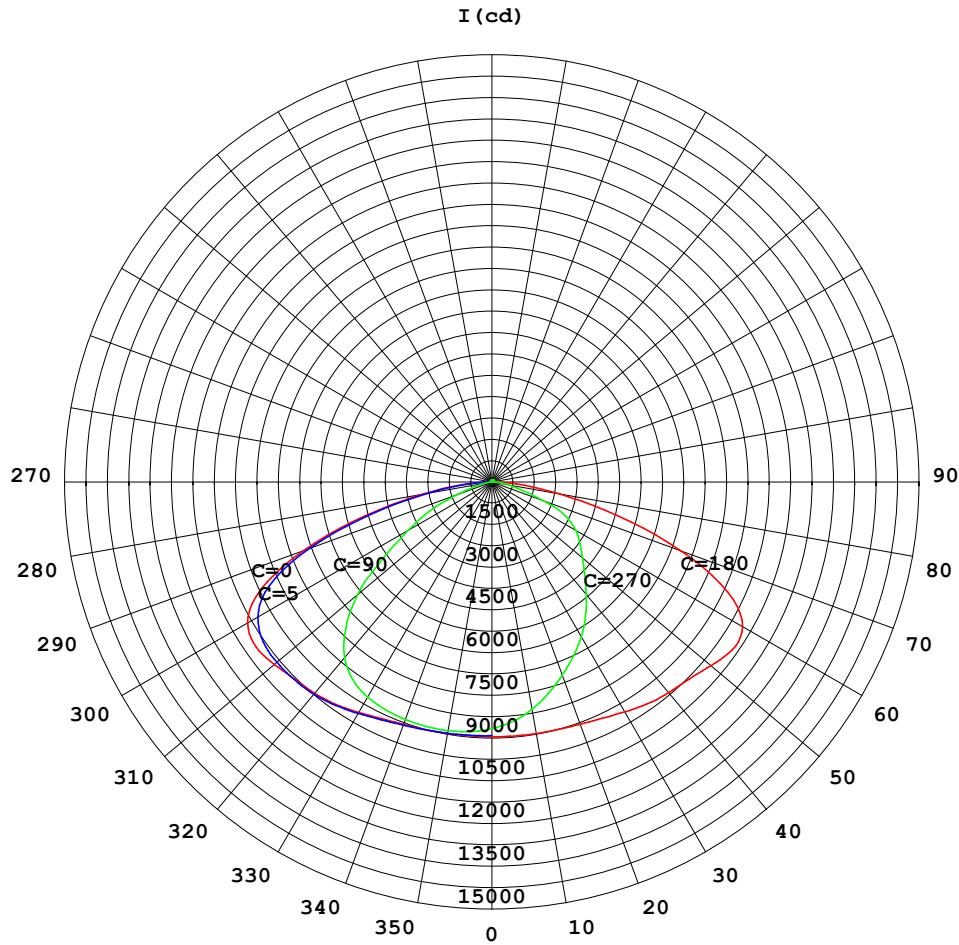
C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	865	864	865	866	867	868	867	869	868	869	869	869	869	869	869				
5	843	844	846	848	850	853	854	856	857	860	861	863	865	867	869				
10	811	814	817	822	826	831	834	840	844	849	853	857	861	865	869				
15	771	776	781	789	794	803	809	818	826	835	842	850	857	865	871				
20	728	735	741	751	759	770	780	793	804	818	830	843	855	866	875				
25	685	693	702	713	723	737	750	766	782	801	819	837	855	872	886				
30	641	652	663	677	689	705	720	740	761	786	811	837	863	886	905				
35	592	609	623	641	657	675	692	716	741	773	807	842	878	906	928				
40	538	557	575	598	619	643	666	694	726	764	806	849	888	919	942				
45	481	499	513	536	560	596	631	671	710	753	798	845	887	923	952				
50	427	438	436	458	484	529	570	623	673	723	775	832	890	939	975				
55	384	376	368	385	405	448	491	559	619	697	770	846	924	980	1008				
60	346	315	301	317	335	373	418	495	586	688	800	894	977	1015	1010				
65	286	239	233	246	265	299	346	432	560	703	824	922	963	962	918				
70	178	168	174	188	202	231	276	370	508	664	746	786	779	755	708				
75	87.7	99.4	110	133	152	181	221	298	399	533	593	596	551	528	491				
80	46.1	52.5	61.1	78.4	95.5	121	141	181	226	299	341	377	381	367	299				
85	22.2	26.2	28.7	35.4	39.4	45.9	48.3	60.0	73.5	101	126	184	231	221	142				
90	2.97	4.75	5.32	5.96	6.02	6.41	6.18	6.87	10.0	8.07	12.2	10.6	29.4	34.4	13.0				
95	1.93	3.12	3.41	3.55	3.61	3.78	3.87	4.00	4.17	4.44	4.75	4.98	5.22	5.38	5.49				
100	2.41	3.30	3.65	3.69	3.71	3.83	3.93	4.08	4.62	5.07	5.45	5.76	6.02	6.31	6.37				
105	3.11	3.93	4.17	4.18	4.19	4.31	4.37	4.57	4.88	5.25	5.63	5.97	6.24	6.61	6.63				
110	3.79	4.63	4.78	4.76	4.73	4.80	4.89	5.10	5.33	5.58	5.92	6.20	6.48	6.67	6.79				
115	4.58	5.28	5.31	5.30	5.19	5.24	5.48	5.66	5.93	6.19	6.51	6.78	7.06	7.21	7.32				
120	5.37	5.89	5.80	5.73	5.70	5.89	6.13	6.33	6.60	6.83	7.10	7.31	7.53	7.65	7.73				
125	6.06	6.44	6.21	6.13	6.30	6.48	6.73	6.92	7.14	7.31	7.50	7.65	7.79	7.88	7.92				
130	6.68	6.89	6.52	6.58	6.79	6.98	7.20	7.36	7.53	7.64	7.75	7.83	7.90	7.94	7.94				
135	7.13	7.27	6.95	7.01	7.17	7.32	7.50	7.63	7.74	7.82	7.89	7.94	7.96	7.94	7.91				
140	7.46	7.52	7.34	7.36	7.46	7.56	7.67	7.76	7.85	7.91	7.97	8.00	8.00	7.93	7.86				
145	7.73	7.66	7.59	7.61	7.65	7.71	7.79	7.86	7.91	7.95	7.98	8.00	7.99	7.92	7.81				
150	7.83	7.71	7.72	7.76	7.80	7.82	7.88	7.95	7.99	8.01	8.02	8.01	7.99	7.93	7.82				
155	7.88	7.80	7.82	7.85	7.90	7.94	7.99	8.03	8.10	8.13	8.13	8.10	8.06	8.02	7.92				
160	7.97	7.90	7.92	7.94	7.98	8.02	8.07	8.13	8.18	8.23	8.26	8.24	8.21	8.16	8.09				
165	8.04	8.00	8.01	8.02	8.05	8.08	8.11	8.16	8.21	8.26	8.31	8.34	8.32	8.29	8.25				
170	8.07	8.06	8.06	8.08	8.10	8.12	8.15	8.20	8.24	8.28	8.33	8.39	8.41	8.40	8.38				
175	8.03	8.03	8.03	8.04	8.07	8.09	8.13	8.17	8.22	8.26	8.31	8.36	8.43	8.48	8.49				
180	7.93	7.93	7.95	7.96	7.99	8.01	8.04	8.07	8.12	8.16	8.19	8.23	8.28	8.38	8.48				

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

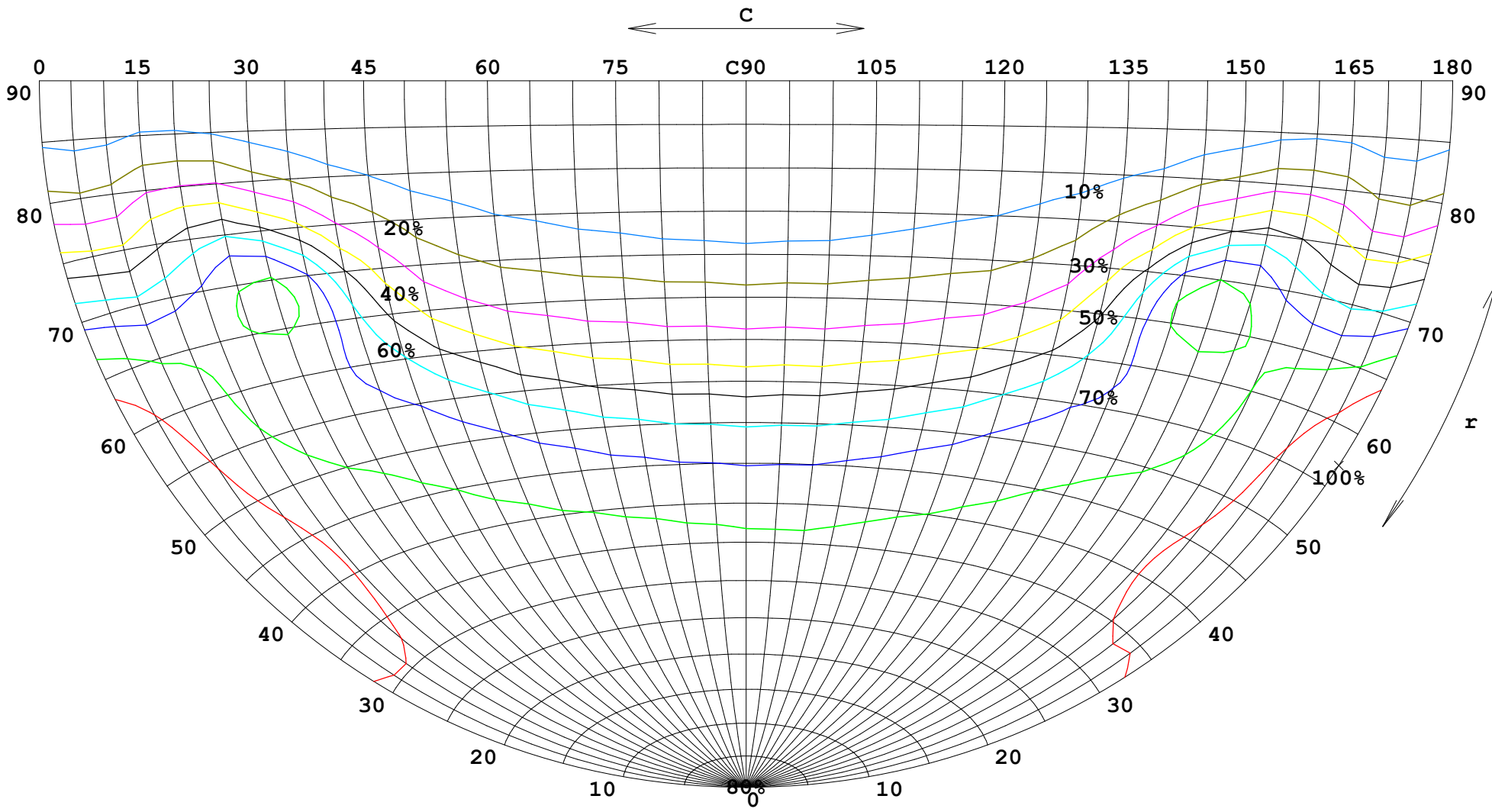
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.850m [K=1.0000]
 Remarks:

FLUX DATA:

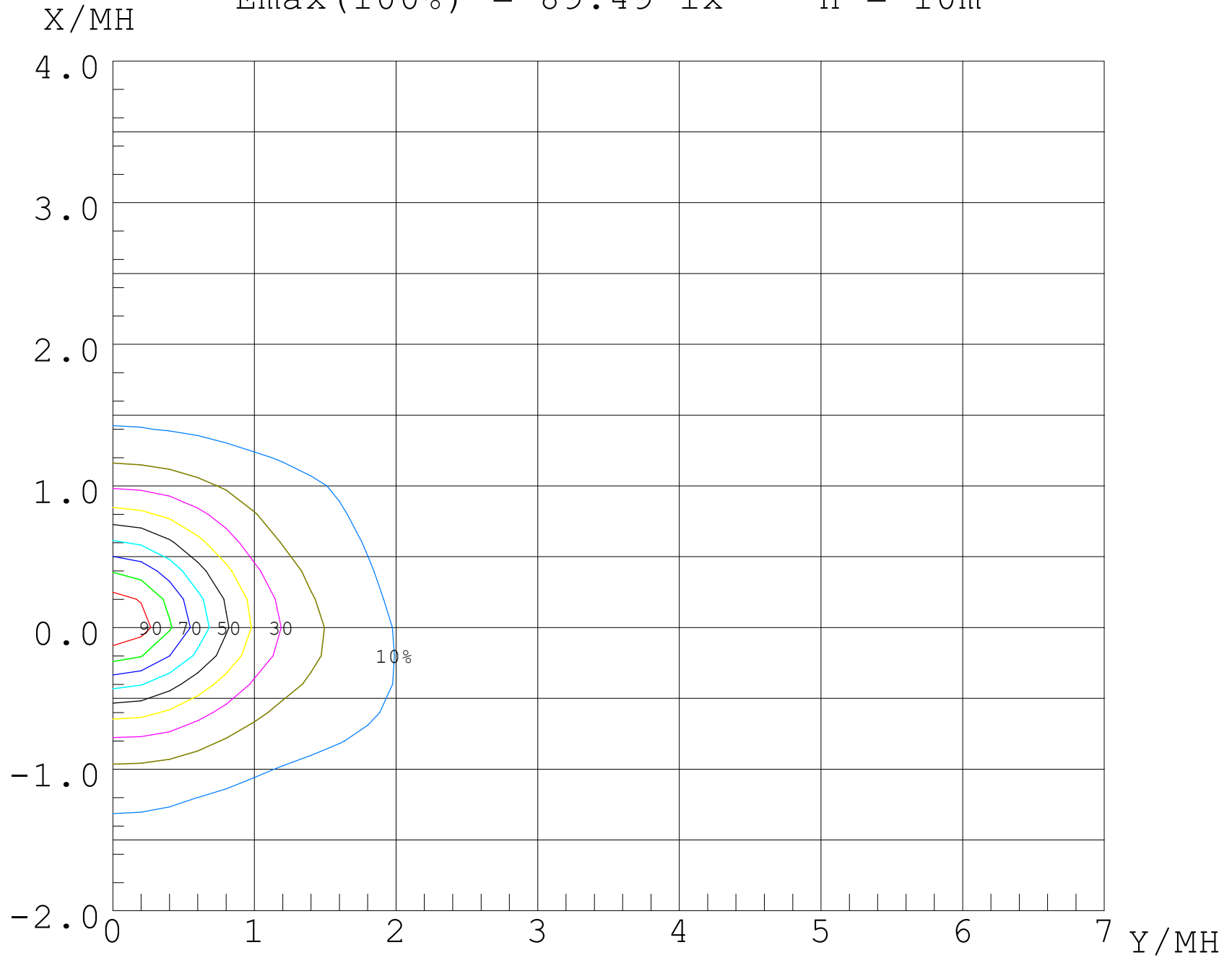
LOR: 100.0 %
STREET DOWN: 17374 lm
STREET UP: 153.1 lm
HOUSE DOWN: 15558 lm
HOUSE UP: 188.1 lm



$I_{max}(100\%) = 10465 \text{ cd}$



$E_{\max}(100\%) = 89.49 \text{ lx}$ $H = 10\text{m}$



UF (%)

80

70

60

50

40

30

20

10

0

-2

-1

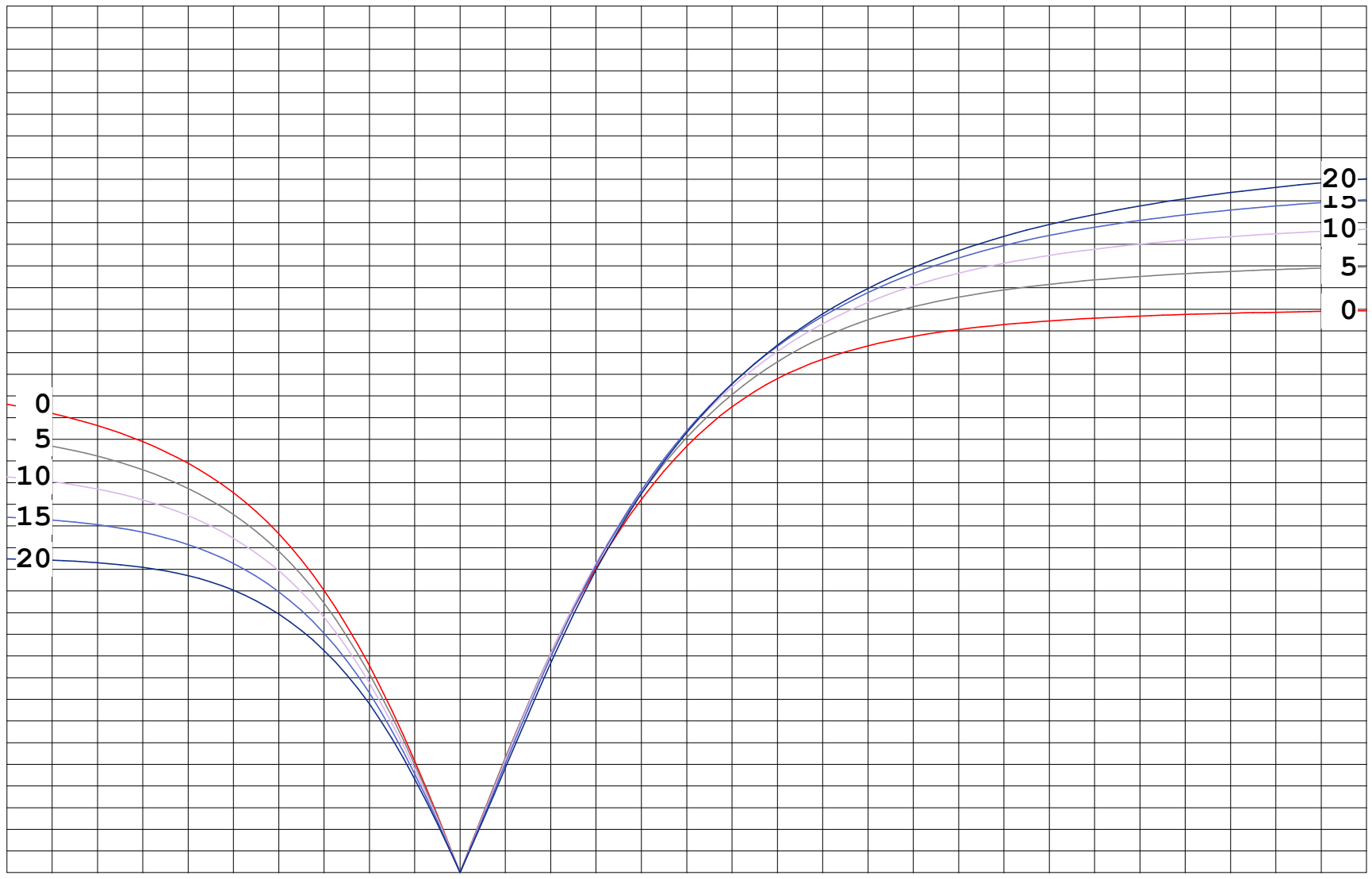
0

1

2

3

4 X/MH



0
5
10
15
20

20
15
10
5
0