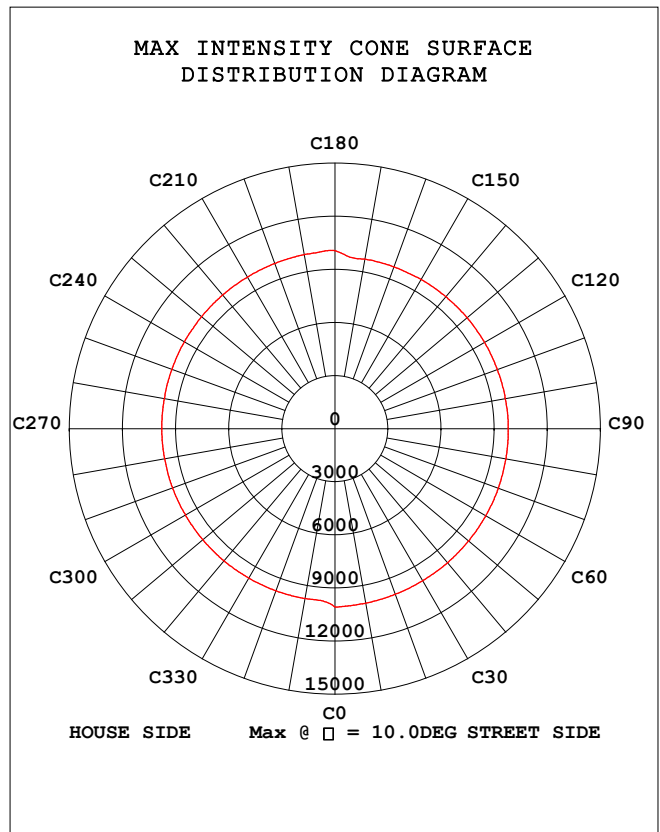
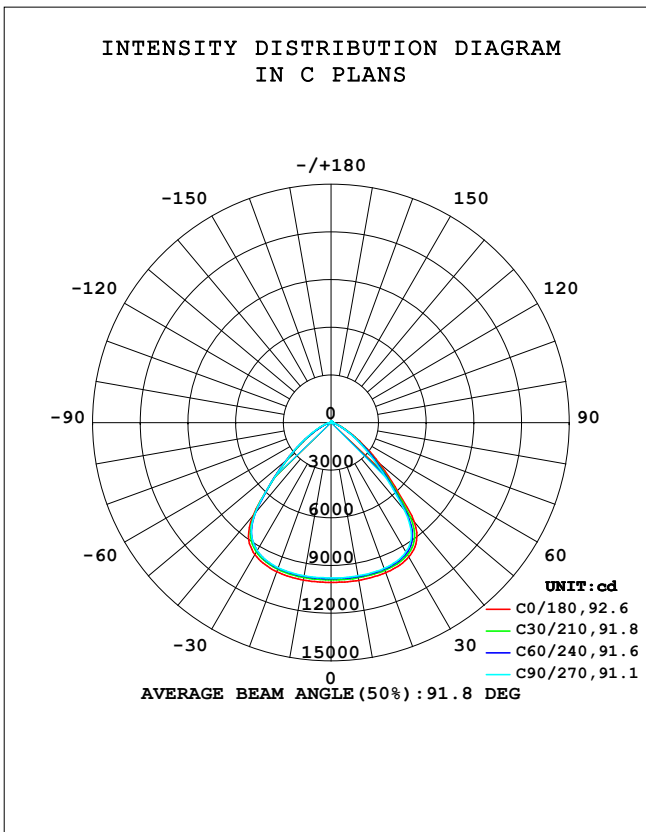


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.22V I:1.2159A P:145.88W PF:0.9980 Freq:60.00Hz Lamp Flux:21374.9x1 lm		
NAME: HB03-150W	TYPE:150W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.52 lm/W			
MODEL	HB03-150W	Imax(cd)	10082	<input type="checkbox"/> street_up(%)	0.5
NOMINAL POWER(W)	150	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	49.1
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	21375	<input type="checkbox"/> house_up(%)	0.5
NOMINAL FLUX(lm)	21374.9	MAXIMUM @ (C, \square)	0,10.0	<input type="checkbox"/> house_down(%)	49.8
LAMPS INSIDE	1	<input type="checkbox"/> up(%)	1.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120	<input type="checkbox"/> down(%)	99.0	SLI	

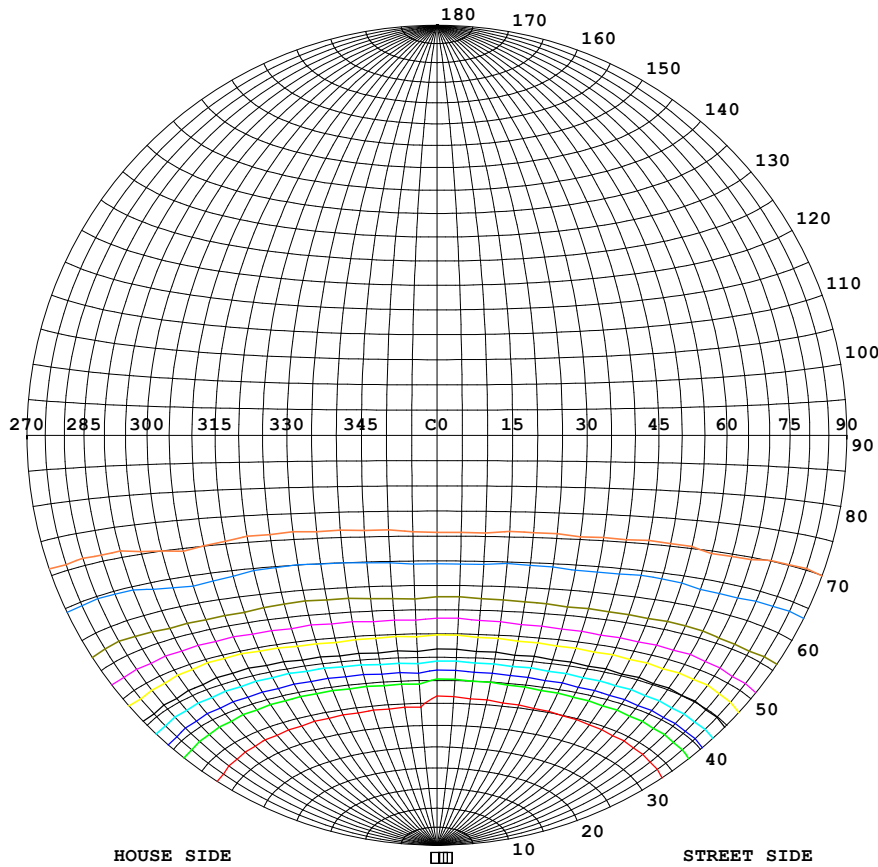


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.880m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.22V I:1.2159A P:145.88W PF:0.9980 Freq:60.00Hz Lamp Flux:21374.9x1 lm		
NAME: HB03-150W	TYPE:150W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:



Classification:

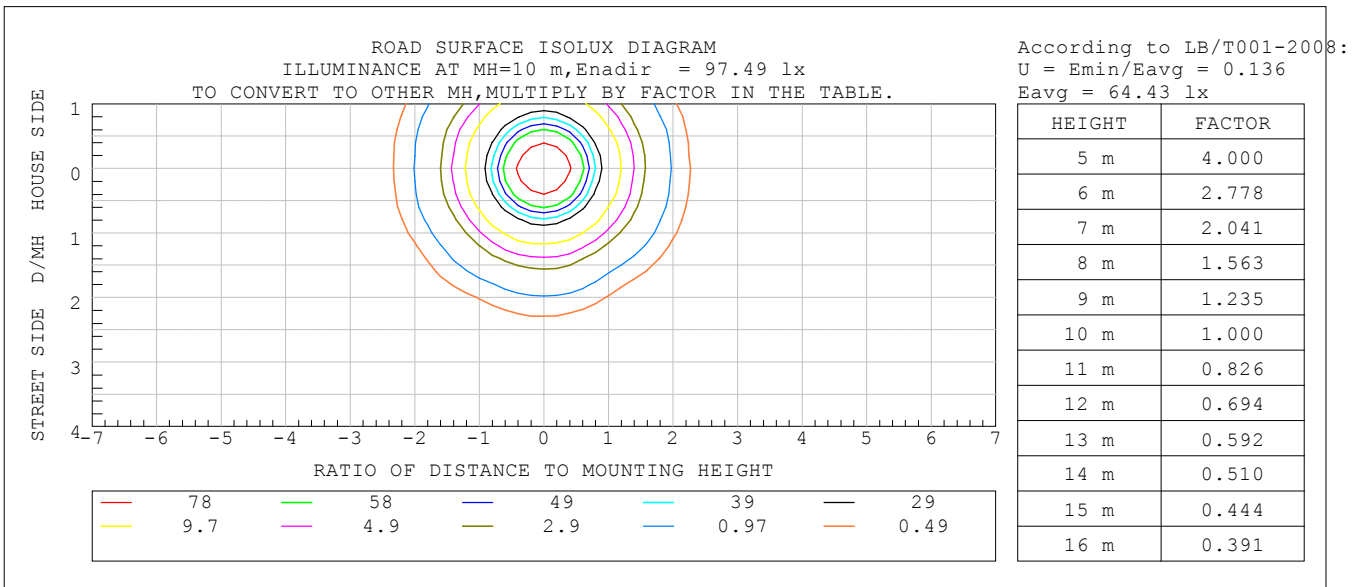
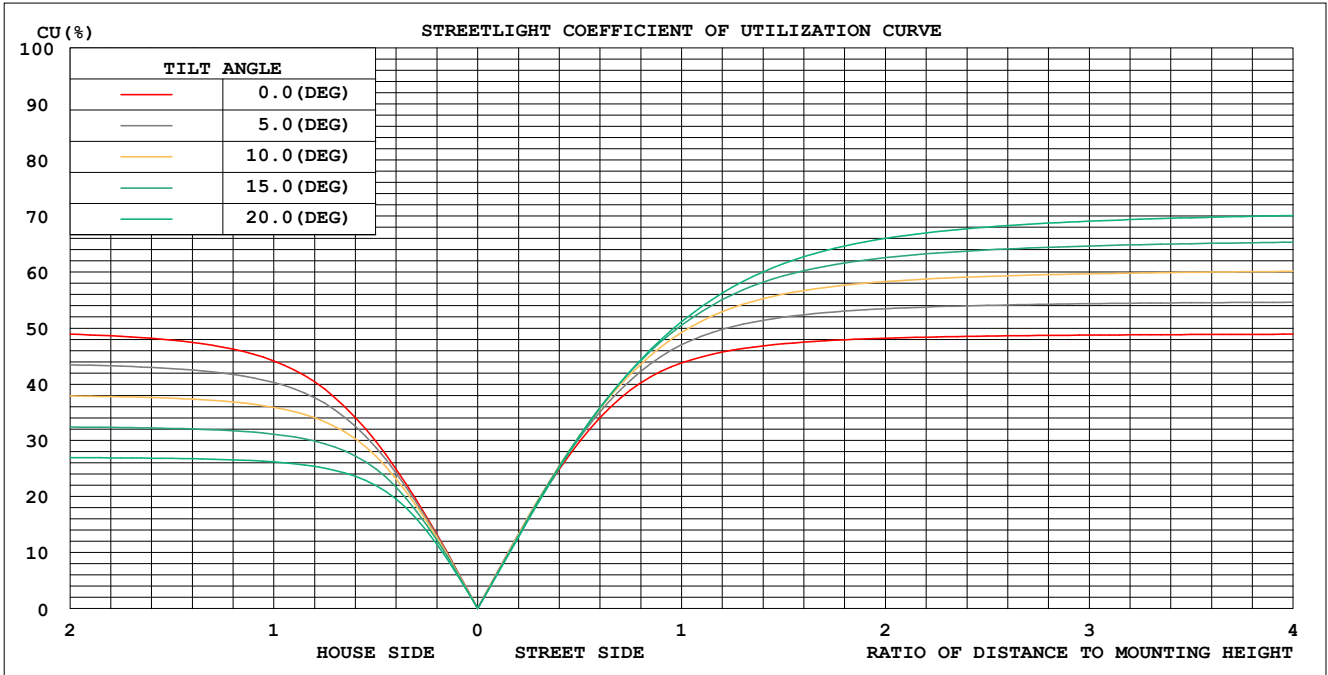
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:7.882cd/klm
 Max.At90:0.1973cd/klm
 Max.80-90:7.882cd/klm
 NRB 5101:Limited[1.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10082
90%	9073
80%	8065
70%	7057
60%	6049
50%	5041
40%	4033
30%	3024
20%	2016
10%	1008
5%	504

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [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: DAMIN
Test Date: 2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
Humidity: 65.0%
Test Distance: 9.880m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.22V I:1.2159A P:145.88W PF:0.9980 Freq:60.00Hz Lamp Flux:21374.9x1 lm		
NAME: HB03-150W	TYPE:150W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

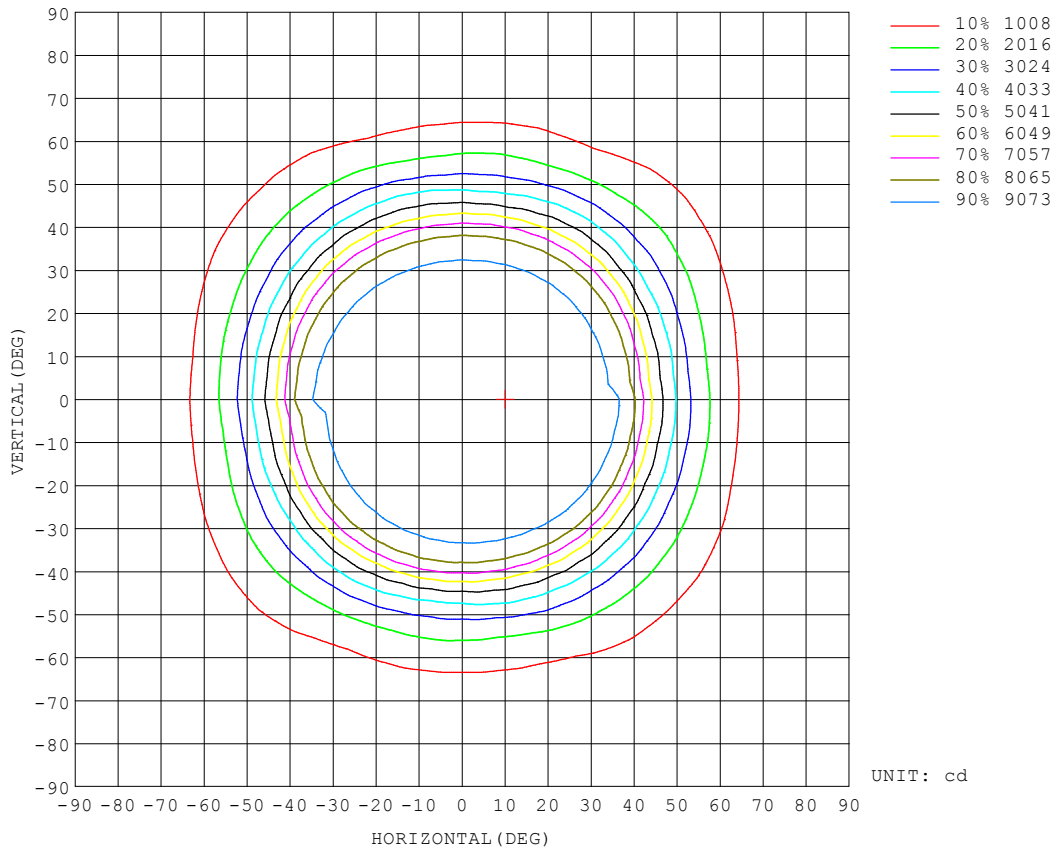
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	1008	987.2	979.3	974.7	1006	985.8	978.5	975.5	0- 10	937.6	937.6	4.39,4.39
20	1005	985.6	976.4	970.2	998.8	977.9	972.4	971.2	10- 20	2781	3718	17.4,17.4
30	977.8	956.6	941.5	932.0	959.6	933.7	930.3	936.7	20- 30	4458	8177	38.3,38.3
40	817.4	763.1	723.0	724.2	762.5	738.7	745.0	769.9	30- 40	5458	13634	63.8,63.8
50	395.1	359.0	329.0	335.3	367.9	353.6	365.2	379.7	40- 50	4110	17745	83,83
60	158.4	147.9	140.6	131.7	142.2	142.6	154.6	148.8	50- 60	2125	19870	93,93
70	54.68	54.04	50.09	47.02	48.14	50.07	55.59	52.97	60- 70	902.1	20772	97.2,97.2
80	15.68	15.10	14.07	13.21	13.50	14.18	16.05	15.86	70- 80	315.1	21087	98.7,98.7
90	0.4133	0.3944	0.4074	0.4101	0.4217	0.3899	0.3720	0.3664	80- 90	63.89	21151	99,99
100	0.8506	0.8308	0.8690	0.8866	0.8859	0.8214	0.7604	0.7593	90-100	6.300	21157	99,99
110	1.748	1.718	1.769	1.806	1.809	1.678	1.585	1.571	100-110	12.93	21170	99,99
120	3.097	3.054	3.094	3.160	3.080	2.925	2.784	2.780	110-120	22.82	21193	99.1,99.1
130	4.691	4.598	4.639	4.691	4.451	4.262	4.137	4.108	120-130	33.20	21226	99.3,99.3
140	6.059	5.944	5.961	6.007	5.718	5.507	5.376	5.335	130-140	39.21	21266	99.5,99.5
150	7.286	7.151	7.157	7.180	7.082	6.829	6.692	6.641	140-150	39.57	21305	99.7,99.7
160	8.590	8.436	8.417	8.440	8.627	8.343	8.194	8.135	150-160	35.32	21340	99.8,99.8
170	9.752	9.567	9.507	9.507	9.776	9.499	9.380	9.314	160-170	25.20	21366	100,100
180	10.26	10.05	9.958	9.920	10.29	10.04	9.964	9.918	170-180	9.292	21375	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

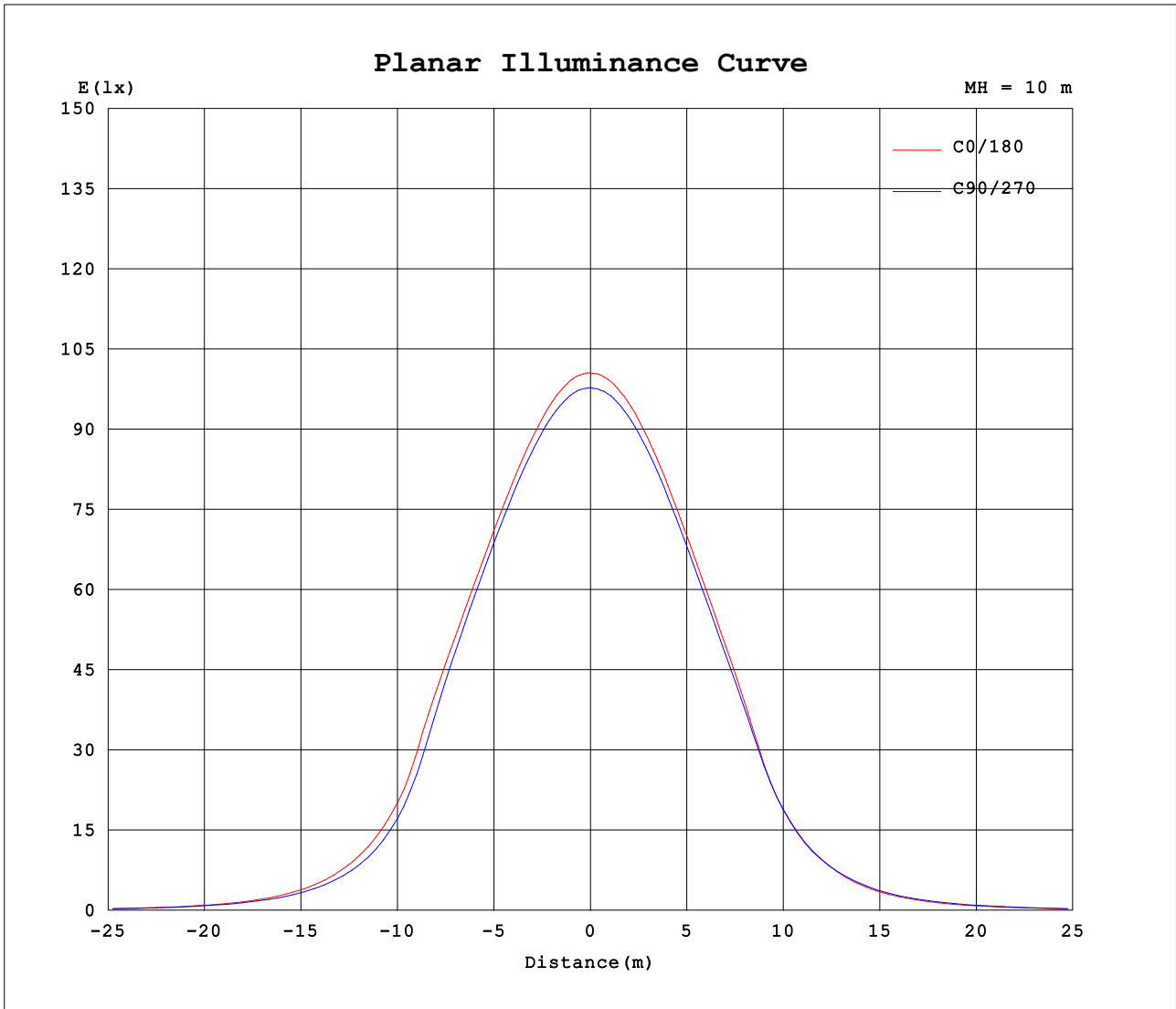
Test:U:120.22V I:1.2159A P:145.88W PF:0.9980 Freq:60.00Hz Lamp Flux:21374.9x1 lm		
NAME: HB03-150W	TYPE:150W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

Planar Illuminance Curve



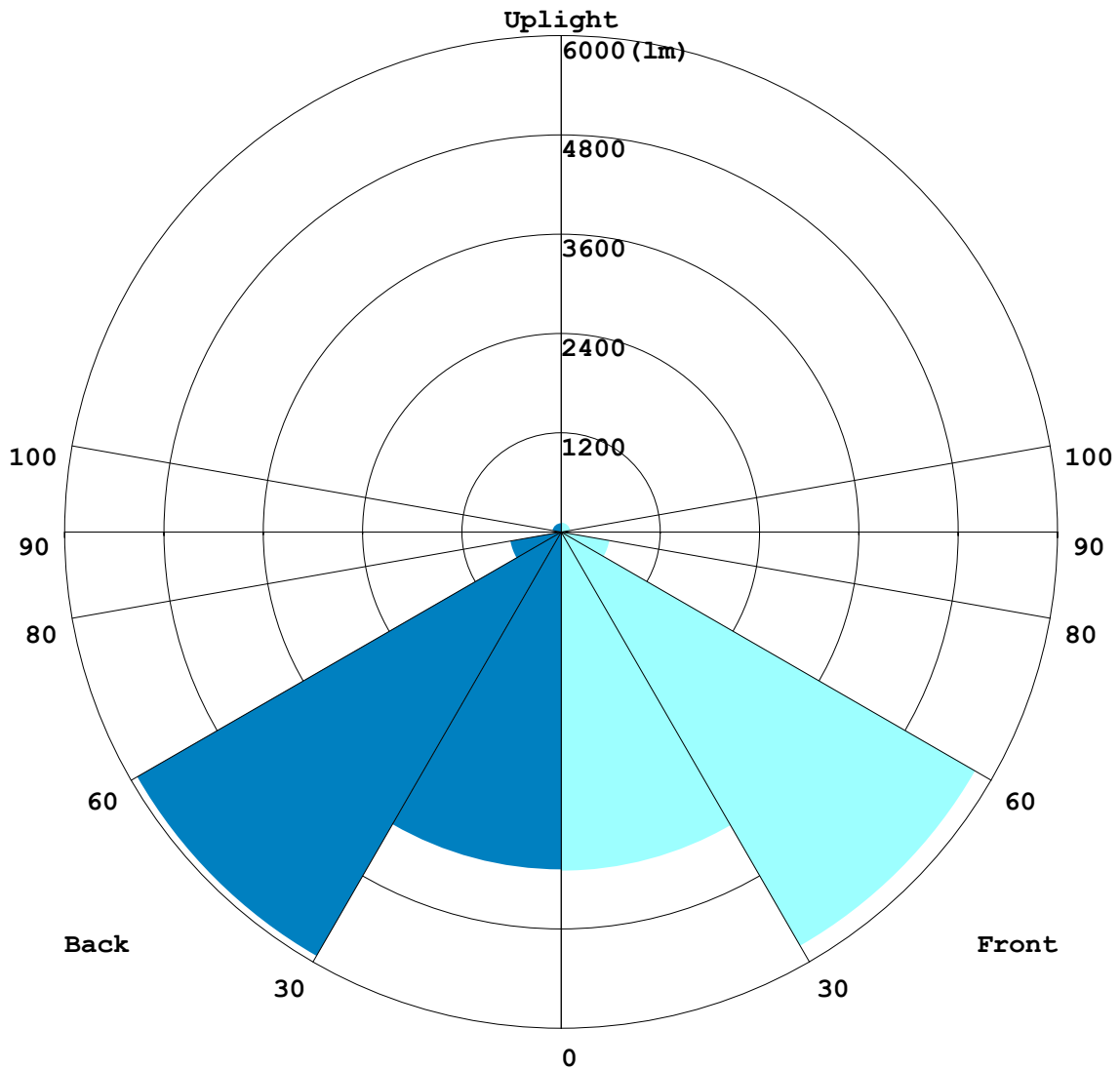
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:120.22V I:1.2159A P:145.88W PF:0.9980 Freq:60.00Hz Lamp Flux:21374.9x1 lm		
NAME: HB03-150W	TYPE:150W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:120.22V I:1.2159A P:145.88W PF:0.9980 Freq:60.00Hz Lamp Flux:21374.9x1 lm		
NAME: HB03-150W	TYPE:150W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4095.9	19.2
FM - Front-Medium(30-60)	5776.3	27.0
FH - Front-High(60-80)	593.5	2.8
FVH - Front-Very High(80-90)	29.963	0.1
Total Forward Light	10612	49.6

BL - Back-Low(0-30)	4080.8	19.1
BM - Back-Medium(30-60)	5916.9	27.7
BH - Back-High(60-80)	623.69	2.9
BVH - Back-Very High(80-90)	33.931	0.2
Total Back Light	10763	50.4

UL - Uplight-Low(90-100)	6.2998	0.0
UH - Uplight-High(100-180)	217.55	1.0
Total Up Light	223.85	1.0

BUG(Back,Up,Glare) Rating	B4-U3-G1
----------------------------------	-----------------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10655	107.94	10763
Street Side	10496	115.91	10612

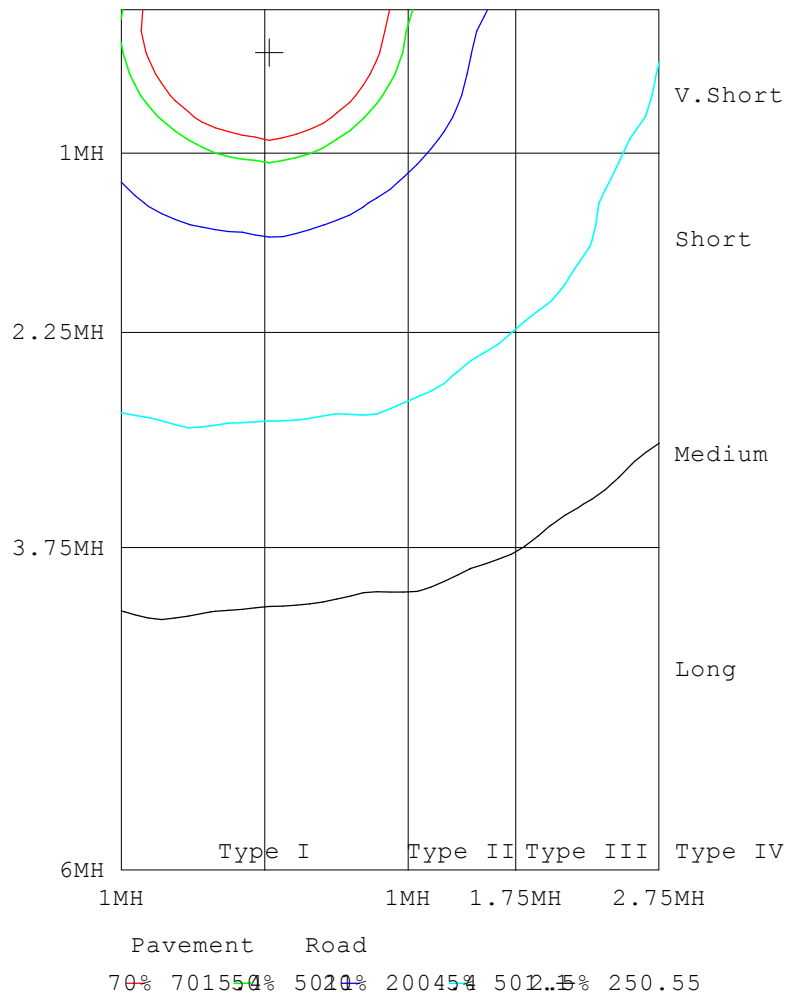
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.22V I:1.2159A P:145.88W PF:0.9980 Freq:60.00Hz Lamp Flux:21374.9x1 lm		
NAME: HB03-150W	TYPE:150W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.22V I:1.2159A P:145.88W PF:0.9980 Freq:60.00Hz Lamp Flux:21374.9x1 lm		
NAME: HB03-150W	TYPE:150W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: x10cd

C (DEG) □ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1005	1001	999	996	993	991	990	988	987	985	983	982	981	981	980	979	978	978	978
5	1007	1003	1000	998	996	993	991	990	988	987	986	984	982	982	981	980	980	980	979
10	1008	1004	1001	998	996	994	991	990	989	987	986	985	984	983	983	981	980	980	979
15	1007	1004	1001	998	995	994	991	990	988	987	987	985	984	983	982	981	981	979	979
20	1005	1002	999	996	994	992	989	988	987	986	984	983	981	981	980	979	978	978	976
25	997	995	992	988	987	985	983	981	979	977	975	975	973	972	971	970	968	968	967
30	978	975	972	970	967	965	962	960	958	957	953	952	950	950	946	946	943	944	941
35	932	931	925	925	918	917	912	911	905	904	899	897	892	892	888	888	884	884	882
40	817	816	804	804	791	791	777	777	763	763	750	751	738	741	730	734	725	731	723
45	570	569	557	557	545	546	534	536	524	529	516	522	510	516	506	510	498	501	487
50	395	394	383	382	372	371	361	363	356	359	353	356	350	354	348	348	338	337	329
55	257	259	250	247	239	241	235	236	229	230	226	232	228	228	219	218	214	220	219
60	158	160	156	157	154	153	148	148	146	148	146	145	140	139	135	138	138	140	141
65	94.1	93.9	94.3	97.4	95.5	94.4	90.6	90.7	90.0	92.3	90.7	88.6	82.8	82.2	82.6	85.6	85.9	87.7	86.3
70	54.7	54.5	54.5	56.6	56.2	55.6	53.3	53.6	53.0	54.0	52.9	52.0	47.8	48.0	48.0	50.9	50.8	51.6	50.1
75	30.2	30.1	29.8	30.8	30.4	30.4	29.3	29.5	29.0	29.6	28.7	28.2	26.5	26.5	26.7	28.0	27.8	28.2	27.4
80	15.7	15.6	15.3	15.7	15.4	15.6	15.2	15.4	15.0	15.1	14.7	14.6	14.1	14.2	14.1	14.6	14.4	14.5	14.1
85	5.97	6.01	5.81	6.00	5.76	5.90	5.52	5.61	5.42	5.50	5.18	5.23	4.86	5.01	4.78	4.93	4.69	4.74	4.47
90	0.41	0.41	0.41	0.40	0.40	0.40	0.40	0.40	0.40	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.41
95	0.58	0.57	0.58	0.57	0.57	0.56	0.57	0.56	0.57	0.56	0.57	0.57	0.58	0.57	0.58	0.58	0.59	0.58	0.59
100	0.85	0.84	0.85	0.83	0.84	0.83	0.84	0.83	0.84	0.83	0.84	0.83	0.84	0.83	0.84	0.86	0.85	0.86	0.87
105	1.23	1.23	1.23	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.23	1.23	1.24	1.24	1.25	1.25	1.26
110	1.75	1.73	1.74	1.72	1.73	1.72	1.73	1.72	1.73	1.72	1.73	1.72	1.74	1.73	1.74	1.74	1.76	1.75	1.77
115	2.37	2.35	2.36	2.33	2.35	2.33	2.34	2.33	2.35	2.33	2.34	2.33	2.35	2.34	2.36	2.35	2.37	2.36	2.38
120	3.10	3.08	3.08	3.06	3.07	3.06	3.06	3.06	3.07	3.05	3.06	3.05	3.06	3.06	3.07	3.07	3.08	3.08	3.09
125	3.92	3.89	3.89	3.87	3.87	3.86	3.86	3.86	3.86	3.85	3.85	3.84	3.85	3.85	3.86	3.86	3.88	3.87	3.89
130	4.69	4.66	4.66	4.64	4.64	4.62	4.63	4.61	4.62	4.60	4.61	4.59	4.61	4.60	4.62	4.61	4.63	4.62	4.64
135	5.40	5.38	5.37	5.34	5.35	5.32	5.33	5.31	5.32	5.29	5.31	5.28	5.30	5.29	5.31	5.30	5.32	5.31	5.32
140	6.06	6.04	6.02	6.00	5.99	5.98	5.98	5.96	5.96	5.94	5.95	5.94	5.94	5.94	5.95	5.95	5.96	5.95	5.96
145	6.68	6.66	6.64	6.62	6.60	6.59	6.58	6.57	6.57	6.55	6.56	6.54	6.55	6.54	6.55	6.55	6.56	6.55	6.56
150	7.29	7.26	7.24	7.22	7.22	7.19	7.19	7.17	7.17	7.15	7.16	7.14	7.15	7.14	7.15	7.14	7.16	7.15	7.16
155	7.94	7.91	7.89	7.87	7.86	7.84	7.83	7.82	7.81	7.80	7.80	7.78	7.79	7.78	7.79	7.78	7.79	7.78	7.79
160	8.59	8.57	8.53	8.52	8.50	8.49	8.46	8.46	8.44	8.44	8.43	8.42	8.41	8.41	8.41	8.41	8.42	8.41	8.42
165	9.22	9.19	9.15	9.14	9.12	9.10	9.08	9.06	9.05	9.04	9.04	9.02	9.02	9.01	9.01	9.01	9.01	9.00	9.01
170	9.75	9.73	9.69	9.67	9.63	9.62	9.60	9.59	9.57	9.57	9.55	9.54	9.53	9.53	9.52	9.51	9.51	9.50	9.51
175	10.1	10.1	10.0	10.0	10.00	9.99	9.95	9.95	9.92	9.92	9.90	9.90	9.88	9.88	9.86	9.86	9.85	9.86	9.84
180	10.3	10.2	10.2	10.2	10.1	10.1	10.1	10.1	10.1	10.1	10.0	10.0	10.0	10.0	9.98	9.99	9.97	9.97	9.96

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.22V I:1.2159A P:145.88W PF:0.9980 Freq:60.00Hz Lamp Flux:21374.9x1 lm		
NAME: HB03-150W	TYPE:150W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) □ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	977	977	975	975	975	975	974	974	973	974	973	972	973	973	973	973	972	1005	1001
5	978	978	977	976	976	976	975	975	974	975	974	974	974	974	973	973	973	1006	1002
10	979	978	978	976	977	976	976	976	975	974	974	974	973	974	974	973	973	1006	1002
15	979	978	977	976	976	975	976	975	974	974	973	973	973	972	972	972	972	1004	1001
20	976	975	974	973	972	972	971	970	970	970	969	968	968	967	967	966	965	999	995
25	966	964	964	963	962	961	960	958	959	957	956	955	955	954	953	952	953	986	982
30	942	940	939	937	937	935	935	932	932	930	931	927	928	926	926	924	925	960	954
35	882	879	880	876	877	874	874	872	872	870	870	868	868	865	866	863	864	904	896
40	728	721	726	719	724	718	723	718	724	718	724	718	723	716	721	715	720	763	754
45	494	483	493	486	497	494	502	495	499	490	498	491	500	496	507	502	511	534	525
50	331	325	330	327	334	331	337	332	335	330	335	333	339	338	345	344	351	368	360
55	223	217	215	209	208	207	208	208	211	216	222	222	227	222	222	216	220	234	232
60	142	139	138	131	127	122	123	125	132	136	142	142	144	141	141	138	136	142	141
65	87.1	85.1	84.5	80.1	76.8	71.7	72.0	74.7	80.4	83.1	86.3	86.0	87.0	85.8	85.9	83.7	82.6	83.7	81.3
70	50.9	48.7	49.0	45.9	44.7	41.3	42.2	43.1	47.0	47.5	50.0	48.8	50.5	49.3	50.5	48.5	48.1	48.1	46.3
75	27.4	26.5	26.5	25.2	24.6	23.4	23.7	24.1	25.6	25.8	26.8	26.5	27.2	26.9	27.5	26.6	26.3	26.1	25.4
80	14.1	13.7	13.6	13.0	13.0	12.7	12.9	12.8	13.2	13.2	13.7	13.5	13.9	13.7	14.0	13.7	13.7	13.5	13.2
85	4.53	4.28	4.40	4.15	4.25	4.01	4.22	4.03	4.28	4.03	4.26	4.09	4.33	4.22	4.49	4.31	4.44	4.61	4.37
90	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.41	0.42	0.41	0.42	0.42
95	0.58	0.59	0.58	0.59	0.59	0.60	0.59	0.60	0.60	0.61	0.60	0.61	0.60	0.61	0.60	0.61	0.60	0.61	0.61
100	0.86	0.87	0.86	0.87	0.86	0.88	0.88	0.89	0.89	0.90	0.89	0.90	0.89	0.90	0.89	0.90	0.88	0.89	0.89
105	1.25	1.26	1.26	1.26	1.26	1.28	1.28	1.29	1.29	1.30	1.30	1.30	1.30	1.30	1.29	1.30	1.29	1.30	1.28
110	1.76	1.78	1.77	1.79	1.78	1.80	1.80	1.81	1.81	1.83	1.82	1.84	1.83	1.83	1.82	1.83	1.81	1.81	1.80
115	2.37	2.39	2.38	2.41	2.40	2.43	2.41	2.44	2.43	2.45	2.44	2.46	2.44	2.47	2.45	2.46	2.44	2.40	2.39
120	3.09	3.11	3.11	3.13	3.13	3.15	3.15	3.17	3.16	3.17	3.16	3.18	3.17	3.19	3.18	3.19	3.18	3.08	3.06
125	3.88	3.90	3.90	3.92	3.92	3.95	3.95	3.96	3.96	3.97	3.96	3.97	3.97	3.98	3.98	3.99	3.97	3.78	3.77
130	4.63	4.66	4.64	4.67	4.67	4.70	4.68	4.71	4.69	4.72	4.70	4.72	4.71	4.74	4.72	4.74	4.71	4.45	4.43
135	5.31	5.34	5.33	5.35	5.35	5.38	5.36	5.39	5.37	5.40	5.38	5.40	5.39	5.42	5.40	5.42	5.40	5.10	5.07
140	5.95	5.97	5.96	5.98	5.98	6.00	6.00	6.01	6.01	6.02	6.02	6.03	6.02	6.04	6.03	6.05	6.03	5.72	5.69
145	6.56	6.57	6.56	6.58	6.57	6.59	6.59	6.60	6.60	6.62	6.61	6.62	6.62	6.63	6.62	6.64	6.63	6.34	6.31
150	7.15	7.17	7.15	7.17	7.16	7.18	7.18	7.19	7.18	7.21	7.19	7.21	7.20	7.22	7.21	7.22	7.21	7.08	7.04
155	7.78	7.80	7.79	7.81	7.79	7.81	7.80	7.82	7.81	7.84	7.82	7.84	7.83	7.85	7.83	7.85	7.83	7.92	7.87
160	8.42	8.42	8.42	8.42	8.42	8.43	8.43	8.44	8.44	8.45	8.44	8.45	8.45	8.45	8.45	8.45	8.44	8.63	8.58
165	9.01	9.01	9.01	9.01	9.00	9.01	9.02	9.02	9.01	9.03	9.02	9.03	9.03	9.04	9.03	9.04	9.03	9.25	9.19
170	9.51	9.50	9.51	9.51	9.50	9.51	9.50	9.50	9.51	9.52	9.50	9.52	9.52	9.52	9.51	9.52	9.51	9.78	9.72
175	9.84	9.83	9.84	9.83	9.83	9.83	9.83	9.82	9.84	9.82	9.83	9.83	9.84	9.83	9.84	9.84	9.83	10.2	10.1
180	9.96	9.95	9.94	9.93	9.93	9.93	9.93	9.92	9.92	9.91	9.91	9.92	9.92	9.91	9.91	9.91	9.91	10.3	10.2

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.22V I:1.2159A P:145.88W PF:0.9980 Freq:60.00Hz Lamp Flux:21374.9x1 lm		
NAME: HB03-150W	TYPE:150W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

Table--3

UNIT: x10cd

C (DEG) □ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	999	996	993	991	990	988	987	985	983	982	981	981	980	979	978	978	978	977	977
5	999	996	995	992	990	989	987	986	984	983	982	981	980	980	980	979	978	978	977
10	999	996	994	992	990	989	987	986	985	983	983	982	981	981	979	979	978	979	977
15	998	995	993	990	989	987	986	984	983	982	981	980	980	979	978	978	977	977	976
20	992	989	986	984	983	981	980	978	977	975	975	974	974	973	973	972	972	971	972
25	978	975	973	970	968	966	966	963	963	961	961	959	960	958	959	959	959	958	959
30	951	947	945	942	940	937	937	934	933	931	931	928	930	929	929	929	930	930	931
35	894	888	888	882	882	877	878	873	874	870	871	868	871	868	871	870	873	871	874
40	758	750	754	747	750	743	745	739	743	735	740	734	739	734	741	737	745	742	750
45	531	520	529	518	528	519	529	521	532	525	533	529	535	530	534	526	533	526	534
50	362	353	356	350	354	348	355	354	362	360	368	365	372	369	372	364	365	358	365
55	234	226	228	224	230	227	230	226	230	230	238	234	236	230	235	236	245	245	248
60	143	143	145	142	142	140	144	143	145	142	142	140	141	142	147	149	155	156	160
65	84.7	86.7	88.6	86.5	85.8	84.1	86.2	86.8	88.2	85.3	83.0	80.6	84.0	86.4	90.2	91.3	94.4	95.0	96.8
70	49.1	49.7	51.8	50.2	50.6	49.1	50.6	50.1	51.2	49.2	48.4	47.0	49.6	51.1	53.8	54.3	55.6	55.5	56.6
75	26.5	26.9	27.9	27.2	27.4	26.7	27.4	27.2	27.7	26.8	26.6	26.2	27.7	28.6	29.9	30.1	30.9	30.4	31.1
80	13.7	13.7	14.1	14.0	14.3	14.1	14.3	14.2	14.5	14.2	14.3	14.2	14.8	15.1	15.7	15.7	16.0	15.9	16.2
85	4.66	4.59	4.87	4.77	5.01	4.91	5.27	5.18	5.39	5.23	5.48	5.45	5.77	5.69	5.96	5.96	6.23	5.98	6.19
90	0.41	0.41	0.40	0.40	0.40	0.40	0.39	0.39	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37
95	0.59	0.59	0.58	0.58	0.57	0.57	0.56	0.56	0.55	0.55	0.54	0.55	0.54	0.54	0.53	0.53	0.52	0.52	0.51
100	0.87	0.87	0.85	0.85	0.83	0.84	0.82	0.82	0.80	0.81	0.79	0.80	0.78	0.79	0.77	0.78	0.76	0.77	0.75
105	1.27	1.26	1.24	1.23	1.22	1.21	1.20	1.19	1.18	1.17	1.16	1.16	1.15	1.14	1.13	1.13	1.12	1.12	1.11
110	1.77	1.76	1.74	1.73	1.71	1.71	1.68	1.68	1.66	1.65	1.64	1.64	1.62	1.62	1.60	1.60	1.59	1.59	1.57
115	2.36	2.36	2.32	2.33	2.29	2.29	2.26	2.26	2.22	2.23	2.20	2.20	2.18	2.18	2.15	2.16	2.14	2.14	2.13
120	3.03	3.03	3.00	3.00	2.96	2.96	2.93	2.92	2.88	2.88	2.85	2.85	2.83	2.83	2.81	2.82	2.78	2.80	2.77
125	3.73	3.72	3.69	3.68	3.65	3.65	3.62	3.61	3.57	3.58	3.55	3.55	3.53	3.54	3.51	3.51	3.48	3.49	3.47
130	4.39	4.38	4.35	4.34	4.31	4.30	4.27	4.26	4.23	4.23	4.20	4.20	4.18	4.19	4.17	4.17	4.14	4.15	4.12
135	5.04	5.02	4.99	4.98	4.95	4.94	4.91	4.90	4.87	4.86	4.84	4.84	4.82	4.82	4.80	4.80	4.78	4.77	4.76
140	5.65	5.64	5.60	5.59	5.55	5.54	5.52	5.51	5.47	5.47	5.44	5.45	5.42	5.43	5.40	5.40	5.38	5.39	5.36
145	6.28	6.26	6.22	6.20	6.17	6.16	6.13	6.12	6.09	6.09	6.06	6.06	6.03	6.04	6.01	6.02	5.99	5.99	5.97
150	7.00	6.97	6.94	6.92	6.89	6.87	6.84	6.83	6.80	6.79	6.76	6.76	6.74	6.73	6.71	6.72	6.69	6.69	6.67
155	7.84	7.80	7.77	7.73	7.71	7.68	7.66	7.64	7.61	7.59	7.57	7.55	7.54	7.53	7.51	7.50	7.49	7.48	7.47
160	8.55	8.50	8.47	8.44	8.41	8.39	8.36	8.34	8.32	8.30	8.28	8.27	8.25	8.24	8.22	8.21	8.19	8.19	8.17
165	9.16	9.12	9.09	9.06	9.03	9.00	8.99	8.97	8.94	8.93	8.91	8.89	8.88	8.87	8.85	8.84	8.83	8.83	8.81
170	9.69	9.65	9.63	9.59	9.57	9.54	9.52	9.50	9.48	9.46	9.45	9.44	9.42	9.41	9.40	9.39	9.38	9.37	9.36
175	10.1	10.0	10.0	9.97	9.95	9.92	9.91	9.88	9.88	9.85	9.84	9.83	9.82	9.81	9.80	9.79	9.78	9.77	9.77
180	10.2	10.2	10.1	10.1	10.1	10.1	10.1	10.0	10.0	10.0	10.0	9.99	9.99	9.98	9.98	9.96	9.96	9.95	9.95

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.22V I:1.2159A P:145.88W PF:0.9980 Freq:60.00Hz Lamp Flux:21374.9x1 lm		
NAME: HB03-150W	TYPE:150W	WEIGHT:
SPEC.:5700K	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

Table--4

UNIT: x10cd

C (DEG) □ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	975	975	975	975	974	974	973	974	973	972	973	973	973	973	972				
5	977	976	976	976	975	975	975	974	974	974	975	974	974	975	973				
10	977	977	976	976	976	975	976	975	975	975	975	975	975	974	974				
15	977	976	975	975	975	975	974	975	975	975	974	975	974	975	973				
20	972	972	971	972	972	971	971	971	971	972	972	972	971	973	972				
25	959	959	959	960	960	961	961	962	962	962	963	964	963	964	964				
30	931	933	932	934	934	937	937	938	939	940	941	942	943	943	944				
35	874	879	878	883	882	887	887	891	889	893	892	896	895	898	897				
40	749	757	756	765	764	772	770	778	776	782	779	785	780	786	779				
45	529	540	540	551	550	559	555	561	555	561	553	558	551	555	548				
50	365	374	374	384	381	386	380	382	375	378	374	383	382	389	384				
55	242	244	239	243	240	245	243	249	250	258	255	257	249	251	247				
60	156	153	146	145	143	146	149	158	161	166	164	164	160	158	154				
65	95.7	95.0	89.4	85.0	81.6	85.7	90.4	96.5	98.8	101	100.0	101	98.5	97.9	94.4				
70	56.1	56.1	52.7	50.4	47.6	50.5	53.0	57.0	57.9	59.3	58.6	59.1	58.0	58.0	55.6				
75	30.9	31.1	29.2	28.3	27.3	28.4	29.5	31.5	31.6	32.5	32.0	32.6	32.1	32.2	30.8				
80	16.0	16.1	15.7	15.6	15.3	15.6	15.9	16.5	16.5	16.8	16.5	16.8	16.6	16.8	16.2				
85	6.06	6.33	6.19	6.31	6.09	6.42	6.33	6.53	6.31	6.50	6.33	6.58	6.33	6.42	6.21				
90	0.37	0.36	0.37	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.38	0.37	0.38	0.37	0.37				
95	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.52	0.51	0.52	0.52	0.52	0.52	0.53				
100	0.76	0.75	0.76	0.75	0.76	0.75	0.76	0.75	0.76	0.75	0.77	0.76	0.77	0.76	0.77				
105	1.11	1.11	1.11	1.10	1.11	1.10	1.11	1.10	1.11	1.11	1.11	1.11	1.11	1.12	1.12				
110	1.58	1.57	1.57	1.57	1.58	1.56	1.57	1.56	1.57	1.57	1.58	1.57	1.58	1.57	1.58				
115	2.13	2.12	2.14	2.12	2.13	2.12	2.12	2.11	2.13	2.11	2.13	2.12	2.13	2.12	2.13				
120	2.79	2.77	2.79	2.76	2.78	2.76	2.78	2.75	2.77	2.74	2.77	2.76	2.77	2.75	2.77				
125	3.48	3.47	3.48	3.46	3.48	3.46	3.47	3.45	3.46	3.44	3.46	3.44	3.46	3.45	3.46				
130	4.13	4.11	4.12	4.10	4.12	4.10	4.11	4.09	4.10	4.08	4.10	4.08	4.10	4.08	4.10				
135	4.76	4.74	4.75	4.74	4.75	4.73	4.73	4.72	4.73	4.71	4.72	4.71	4.73	4.71	4.72				
140	5.37	5.34	5.36	5.34	5.35	5.33	5.33	5.32	5.33	5.31	5.33	5.31	5.33	5.31	5.32				
145	5.98	5.95	5.96	5.94	5.95	5.93	5.95	5.93	5.94	5.92	5.94	5.92	5.94	5.92	5.93				
150	6.67	6.65	6.66	6.64	6.65	6.63	6.64	6.63	6.63	6.63	6.64	6.63	6.64	6.62	6.63				
155	7.46	7.45	7.44	7.43	7.43	7.42	7.42	7.42	7.42	7.42	7.42	7.41	7.42	7.41	7.41				
160	8.18	8.15	8.15	8.14	8.14	8.13	8.14	8.12	8.13	8.12	8.13	8.12	8.13	8.11	8.12				
165	8.80	8.79	8.79	8.78	8.78	8.76	8.77	8.76	8.76	8.75	8.75	8.74	8.75	8.74	8.74				
170	9.36	9.34	9.33	9.33	9.33	9.31	9.31	9.30	9.31	9.30	9.31	9.30	9.30	9.30	9.29				
175	9.76	9.75	9.74	9.74	9.73	9.73	9.72	9.72	9.71	9.72	9.71	9.71	9.71	9.71	9.70				
180	9.94	9.94	9.93	9.93	9.92	9.92	9.92	9.92	9.91	9.92	9.91	9.91	9.91	9.91	9.90				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks: