

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	378.2 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	156.7V x 173.2H
	At 50% of Imax	100.8V x 106.1H
	At 90% of Imax	42.8V x 43.9H

Beam Flux	Total	997.8 lumens per klm.
	To 10% of Imax	987.2 lumens per klm.
	To 50% of Imax	670.1 lumens per klm.
	To 90% of Imax	157.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

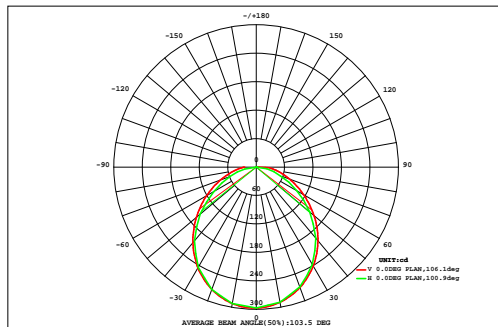
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:QC1
Test Date:2019-09-14

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.200m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.0778A P:9.177W PF:0.9817 Lamp Flux:785.113x1 lm		
NAME: LLS-COVE1-W40-8W-120V-016	TYPE:LLS	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201909089
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:85.56lm/W	
MODEL	LLS-COVE1-W40	Imax(cd)	296.9
NOMINAL POWER(W)	9	AVAILABILITY(%)	99.1
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	778.3
NOMINAL FLUX(lm)	785.113	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	785.1
TEST VOLTAGE(V)	120.0	θ @50%(H,V)	106,101DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm	Φ t	Φ a	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.07	0.25	0.45	0.65	0.83	0.98	1.09	1.15	1.20	1.24	1.27	1.25	1.17	1.03	0.83	0.59	0.33	0.10	14.5	13.5
70	0.06	0.25	0.51	0.83	1.18	1.53	1.84	2.09	2.25	2.30	2.23	2.06	1.78	1.42	1.03	0.65	0.33	0.09	22.4	22.3
60	0.07	0.29	0.65	1.13	1.71	2.32	2.90	3.36	3.65	3.70	3.53	3.15	2.62	1.99	1.36	0.81	0.38	0.09	33.7	33.6
50	0.08	0.34	0.79	1.44	2.26	3.15	4.01	4.71	5.12	5.18	4.89	4.30	3.49	2.58	1.70	0.97	0.43	0.10	45.5	45.5
40	0.08	0.38	0.93	1.75	2.79	3.95	5.07	5.97	6.50	6.55	6.14	5.36	4.31	3.13	2.02	1.11	0.47	0.10	56.6	56.6
30	0.08	0.41	1.04	2.00	3.24	4.63	5.96	7.01	7.62	7.66	7.18	6.24	4.99	3.61	2.30	1.23	0.51	0.11	65.8	65.8
20	0.09	0.44	1.12	2.19	3.58	5.12	6.59	7.75	8.41	8.46	7.91	6.86	5.47	3.94	2.49	1.32	0.53	0.11	72.4	72.3
10	0.09	0.45	1.17	2.29	3.75	5.38	6.92	8.14	8.82	8.88	8.31	7.21	5.74	4.12	2.59	1.36	0.55	0.11	75.9	75.8
0	0.09	0.45	1.18	2.31	3.77	5.41	6.96	8.18	8.87	8.92	8.35	7.23	5.76	4.13	2.59	1.36	0.54	0.11	76.2	76.2
-10	0.08	0.44	1.14	2.22	3.62	5.18	6.68	7.86	8.53	8.59	8.03	6.96	5.54	3.97	2.50	1.32	0.53	0.11	73.3	73.2
-20	0.08	0.42	1.06	2.05	3.32	4.74	6.11	7.19	7.81	7.86	7.35	6.36	5.07	3.64	2.30	1.23	0.50	0.10	67.2	67.1
-30	0.07	0.38	0.95	1.80	2.88	4.08	5.25	6.18	6.72	6.78	6.34	5.50	4.40	3.18	2.04	1.11	0.47	0.09	58.2	58.2
-40	0.06	0.34	0.82	1.51	2.37	3.31	4.21	4.94	5.36	5.40	5.07	4.43	3.57	2.62	1.71	0.96	0.42	0.08	47.2	47.1
-50	0.05	0.29	0.68	1.19	1.80	2.46	3.08	3.58	3.87	3.91	3.70	3.28	2.69	2.02	1.37	0.80	0.37	0.06	35.2	35.1
-60	0.05	0.24	0.53	0.88	1.27	1.65	2.00	2.26	2.42	2.45	2.36	2.15	1.83	1.44	1.03	0.64	0.30	0.05	23.6	23.4
-70	0.04	0.19	0.40	0.60	0.78	0.95	1.08	1.16	1.21	1.24	1.24	1.20	1.09	0.93	0.72	0.49	0.24	0.05	13.6	12.2
-80	0.02	0.10	0.16	0.20	0.23	0.26	0.26	0.25	0.25	0.28	0.31	0.33	0.32	0.30	0.26	0.19	0.08	0.02	3.81	0.49
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Φ t	1.16	5.67	13.6	25.0	39.4	55.1	70.0	81.8	88.6	89.4	84.2	73.9	59.8	44.1	28.8	16.1	6.99	1.49	785	---
Φ a	0.67	5.03	13.1	24.6	39.0	54.6	69.5	81.2	88.0	88.9	83.8	73.6	59.6	43.9	28.7	16.0	6.81	1.21	---	778

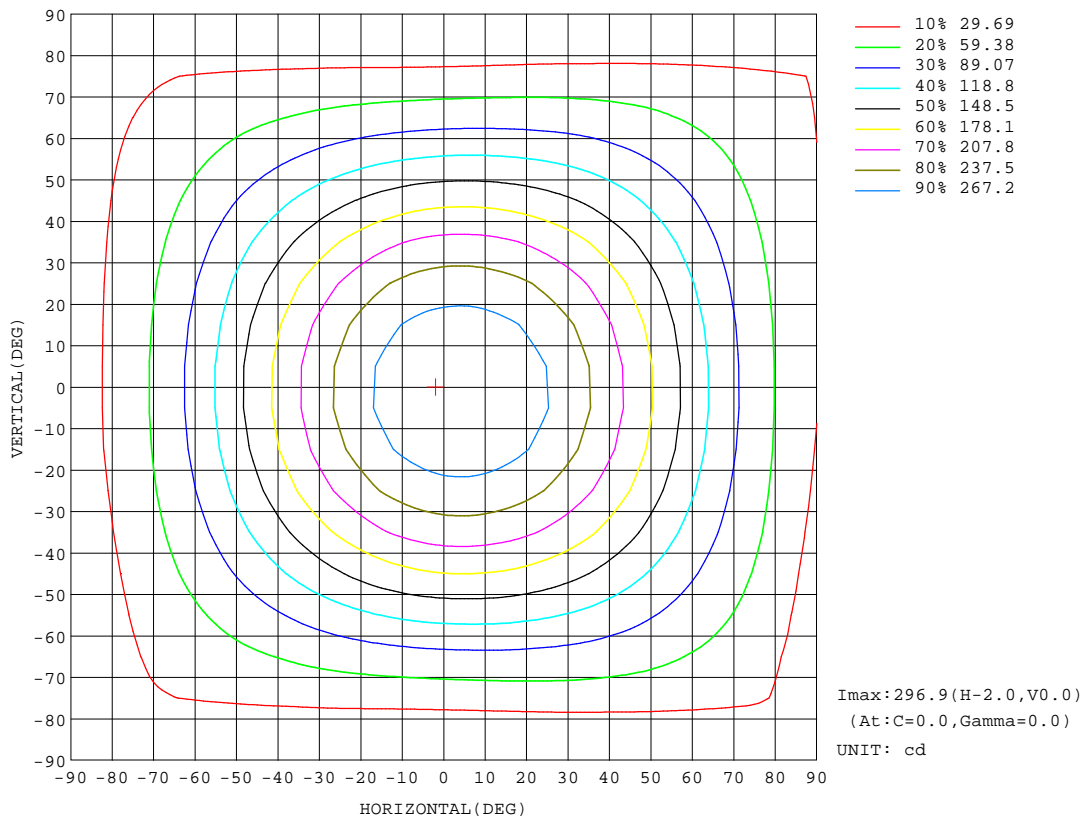
one-half-peak spread: U:51.4,D:50.0 , L:52.1,R:54.7 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:QC1
Test Date:2019-09-14

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.1V I:0.0778A P:9.177W PF:0.9817 Lamp Flux:785.113x1 lm		
NAME: LLS-COVE1-W40-8W-120V-016	TYPE:LLS	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201909089
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:

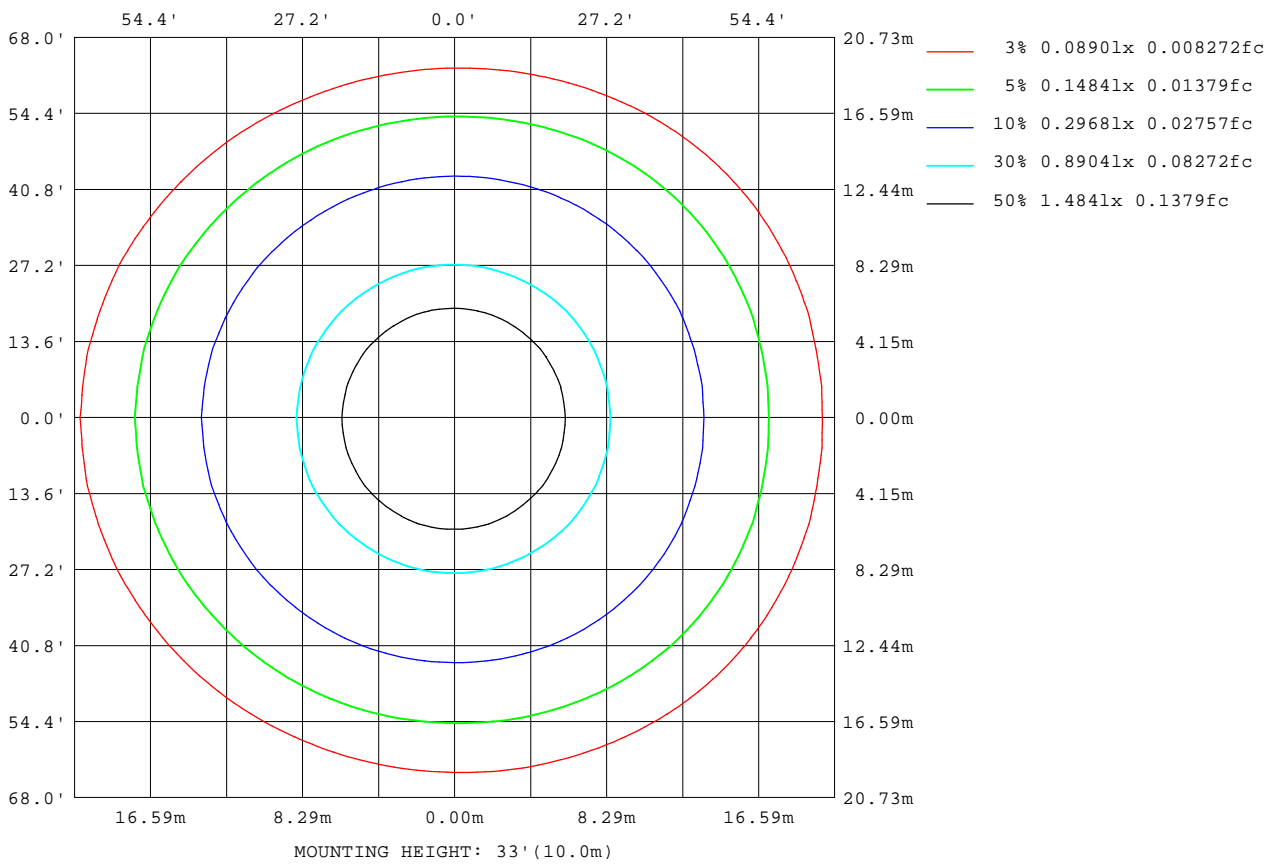


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Temperature:30DEG
Operators:QC1
Test Date:2019-09-14

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V(B) Interval: 5.0DEG
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Humidity:61%
Test Distance:8.200m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:201909089
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:

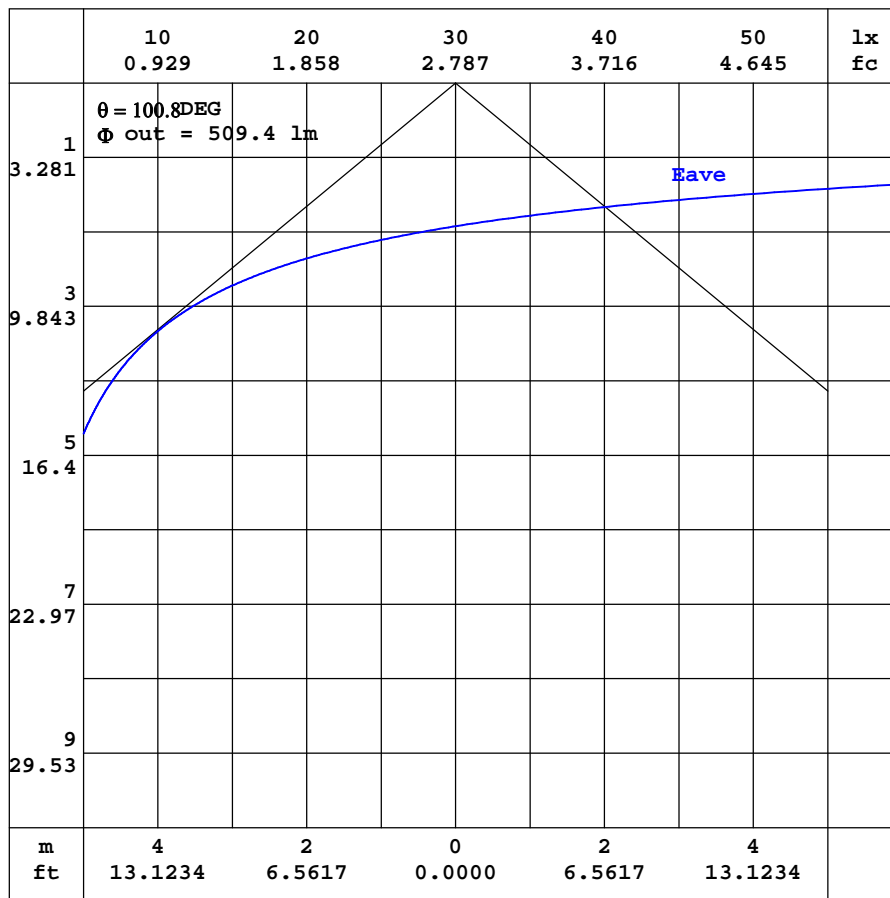


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:QC1
Test Date:2019-09-14

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.200m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.1V I:0.0778A P:9.177W PF:0.9817 Lamp Flux:785.113x1 lm		
NAME: LLS-COVE1-W40-8W-120V-016	TYPE:LLS	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201909089
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:

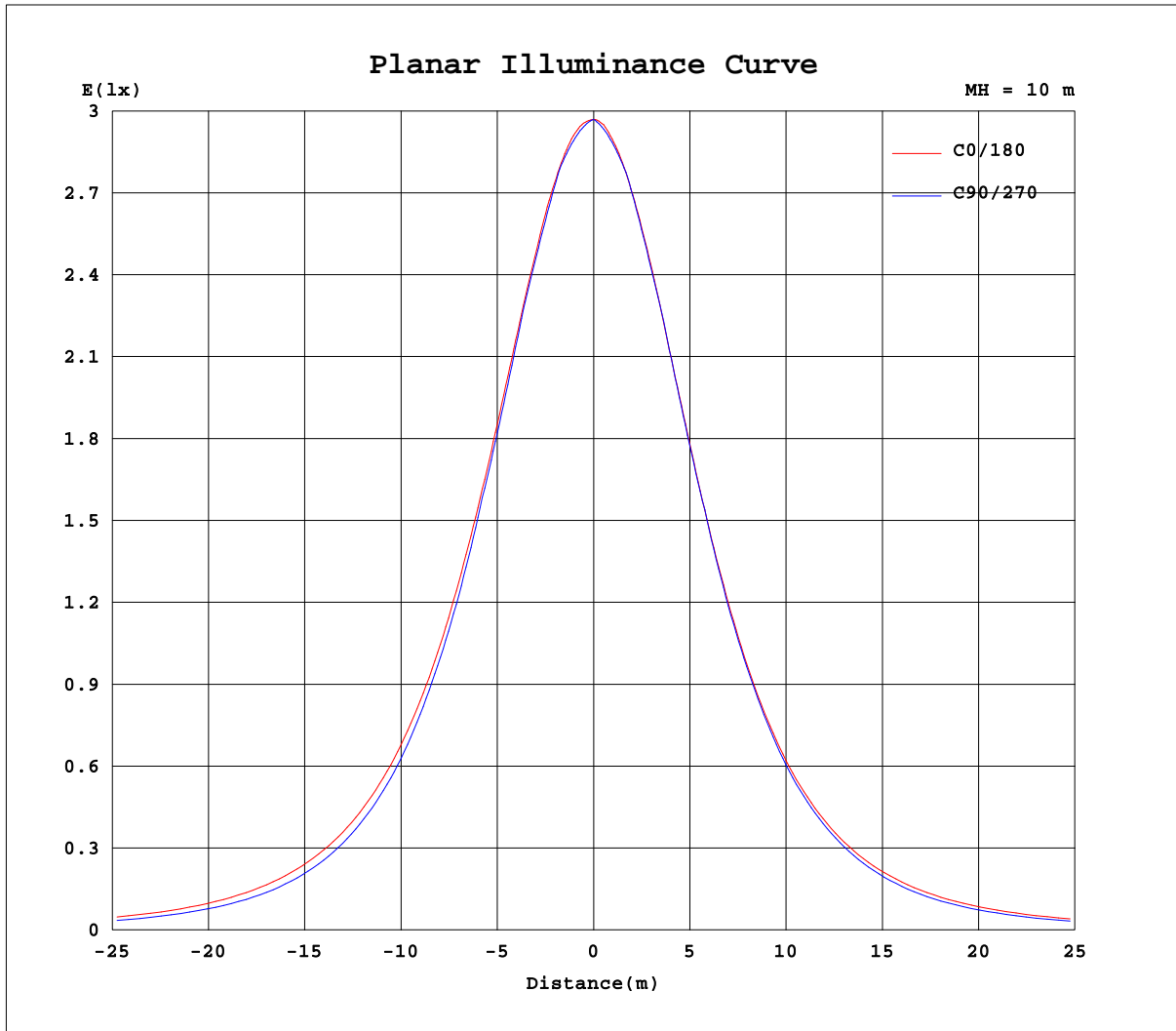


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:QC1
 Test Date:2019-09-14

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.275
 Humidity:61%
 Test Distance:8.200m [K=1.0000]
 Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:QC1
 Test Date:2019-09-14

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.275
 Humidity:61%
 Test Distance:8.200m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:0.0778A P:9.177W PF:0.9817 Lamp Flux:785.113x1 lm		
NAME: LLS-COVE1-W40-8W-120V-016	TYPE:LLS	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201909089
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	9.96	13.2	18.4	23.8	25.3	26.0	26.4	26.5	26.5	26.2	26.2	26.5	26.3	25.6	25.0	24.6	24.5	24.8	25.3
-75	11.4	10.1	14.4	20.7	27.1	29.4	31.3	33.0	34.5	35.7	36.8	37.8	38.9	39.6	39.9	40.2	40.5	40.9	41.5
-70	10.2	15.5	22.9	30.5	33.6	36.7	39.6	42.4	45.0	47.4	49.4	51.3	52.9	54.3	55.4	56.4	57.4	58.2	58.9
-65	8.80	10.5	17.0	25.9	33.8	38.3	42.8	47.3	51.7	56.1	60.2	64.0	67.5	70.7	73.5	75.9	78.0	79.6	80.8
-60	10.7	18.5	29.0	37.2	43.0	48.9	55.0	61.1	67.1	73.0	78.6	83.7	88.5	92.8	96.5	99.6	102	103	104
-55	6.61	11.2	20.1	32.1	40.4	47.6	55.1	62.9	70.9	78.8	86.7	94.3	101	108	114	119	123	127	128
-50	11.7	21.7	35.3	43.7	52.2	61.3	70.8	80.7	90.6	100	110	119	127	135	142	147	151	153	154
-45	3.81	12.4	24.0	37.6	46.9	56.8	67.5	78.8	90.6	102	114	126	137	147	156	164	170	175	178
-40	13.2	26.2	40.0	50.2	61.5	73.7	86.8	101	114	128	141	154	166	177	186	193	199	202	203
-35	1.86	14.0	28.7	41.6	52.7	65.2	78.9	93.6	109	124	140	155	169	183	195	205	213	219	223
-30	14.9	31.1	43.1	55.3	69.0	84.1	100	117	135	152	169	185	200	213	224	233	239	243	244
-25	0.00	16.2	32.6	44.6	57.5	72.3	88.6	106	124	143	162	180	197	213	227	239	248	255	258
-20	17.6	34.1	46.0	59.8	75.6	93.0	112	132	152	171	191	209	226	241	253	263	270	273	274
-15	0.00	19.8	34.4	46.7	61.0	77.3	95.4	115	135	156	177	197	216	233	248	261	271	278	282
-10	22.0	34.7	47.3	62.1	79.0	97.8	118	139	161	183	203	223	241	256	269	280	287	291	292
-5	0.00	23.3	35.0	47.8	62.8	79.9	99.0	120	141	163	185	206	225	243	259	272	282	289	294
0	24.6	35.3	48.2	63.4	80.8	100	121	143	165	187	208	228	246	261	275	285	292	296	297
5	0.00	24.6	35.0	47.8	62.7	79.8	98.8	119	141	163	184	205	225	242	258	271	281	288	292
10	24.5	34.8	47.3	62.1	78.9	97.5	118	139	160	182	202	221	239	254	267	277	284	288	289
15	2.16	24.5	34.5	46.7	60.9	77.1	95.0	114	135	155	176	195	214	231	246	258	268	275	278
20	24.5	34.3	46.1	59.8	75.4	92.6	111	130	150	170	188	206	222	237	249	258	265	268	269
25	3.12	24.2	33.5	44.7	57.6	72.0	88.0	105	123	141	159	177	194	209	222	234	243	249	252
30	24.0	32.8	43.2	55.3	68.7	83.4	99.3	116	133	149	166	181	195	208	219	227	233	236	237
35	3.67	23.8	32.0	41.7	52.7	64.9	78.2	92.5	108	122	137	152	166	179	190	199	207	212	215
40	23.7	31.3	40.2	50.1	61.1	73.0	85.7	99.0	112	125	138	150	162	172	180	187	192	195	195
45	4.12	23.3	30.2	38.1	46.9	56.5	66.8	77.7	89.0	100	111	122	133	142	151	158	164	168	171
50	23.0	29.1	36.0	43.6	51.8	60.5	69.6	79.0	88.4	97.5	106	115	123	130	136	141	144	146	147
55	4.88	22.7	28.0	34.0	40.4	47.2	54.3	61.7	69.3	76.7	84.0	90.9	97.6	104	109	114	118	120	122
60	22.5	27.0	31.9	37.1	42.6	48.2	53.9	59.6	65.1	70.5	75.5	80.3	84.5	88.4	91.7	94.4	96.5	98.0	98.7
65	6.05	22.1	25.8	29.7	33.8	37.9	42.1	46.3	50.4	54.3	58.1	61.5	64.6	67.4	69.8	71.9	73.7	75.2	76.3
70	21.7	24.6	27.5	30.4	33.3	36.1	38.7	41.2	43.5	45.6	47.4	48.9	50.2	51.2	52.1	53.1	53.9	54.6	55.2
75	8.41	21.4	23.6	25.6	27.5	29.3	30.9	32.4	33.6	34.6	35.4	36.0	36.7	37.1	37.3	37.4	37.7	38.0	38.4
80	21.1	22.6	23.7	24.6	25.3	25.8	26.0	26.0	25.7	25.2	24.6	24.4	24.1	23.4	22.7	22.2	22.0	22.3	22.7
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:	SPEC.:	SERIAL No.:201909089
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	26.2	27.2	28.5	30.0	31.3	31.7	32.2	33.1	33.8	34.2	34.2	33.8	33.1	31.1	24.3	17.3	14.4	17.8
-75	42.1	42.8	43.5	44.2	45.0	45.4	45.4	45.0	44.7	44.1	43.1	41.7	40.0	38.0	35.2	27.2	18.8	14.3
-70	59.5	59.8	59.9	59.9	59.6	59.0	57.9	56.4	54.4	52.0	49.3	46.1	42.9	39.3	30.1	20.4	14.2	10.6
-65	81.5	81.9	81.8	81.0	79.9	78.2	76.2	73.3	70.1	66.3	62.1	57.6	52.8	48.0	43.0	33.4	22.1	14.1
-60	104	104	102	99.8	96.9	93.3	88.8	83.8	78.3	72.2	65.9	59.5	53.1	46.8	36.8	23.8	14.0	10.8
-55	129	129	128	125	122	117	112	106	98.6	91.0	83.1	74.9	66.6	58.5	50.6	41.2	26.1	14.8
-50	154	152	148	144	138	130	122	113	104	93.9	83.8	73.7	63.9	54.5	45.7	28.5	15.5	9.57
-45	178	177	175	170	164	157	148	139	128	116	104	92.1	80.2	68.7	57.8	47.7	32.2	16.2
-40	201	198	193	185	177	167	155	142	129	115	100	86.7	73.5	61.2	49.8	36.0	16.9	5.02
-35	223	222	218	212	204	194	183	169	155	140	124	108	92.8	78.0	64.4	51.9	38.9	18.3
-30	242	238	231	222	212	199	184	168	151	134	116	98.9	82.6	67.6	53.9	41.8	19.6	3.25
-25	259	257	253	246	236	224	210	195	178	159	140	122	103	85.7	69.7	55.2	42.4	21.8
-20	272	267	260	249	237	222	206	187	168	147	127	107	88.7	71.7	56.4	43.0	23.9	0.18
-15	283	281	276	268	258	245	229	213	194	173	152	131	111	91.1	73.4	57.5	43.6	27.2
-10	290	285	277	266	252	237	219	200	179	157	135	114	93.5	75.1	58.6	44.2	30.5	0.00
-5	294	292	287	279	268	254	239	221	201	180	158	136	114	93.9	75.3	58.8	44.3	31.2
0	295	289	281	270	256	241	223	203	181	159	137	115	94.2	75.5	58.9	44.3	32.0	0.00
5	293	291	286	277	267	253	238	220	200	179	158	136	114	93.7	75.2	58.8	44.3	32.1
10	287	282	274	263	250	235	217	198	177	156	134	113	93.2	75.0	58.6	44.3	32.2	4.08
15	279	277	272	264	254	241	227	210	191	171	151	130	110	90.8	73.3	57.5	43.7	32.0
20	267	262	255	245	232	218	202	185	165	146	126	107	88.3	71.5	56.4	43.1	31.8	6.64
25	253	251	246	240	230	219	206	191	175	157	139	120	102	85.1	69.4	55.1	42.5	31.7
30	235	231	225	216	206	194	180	165	148	131	114	97.7	82.0	67.3	53.8	41.9	31.6	6.89
35	216	215	211	205	198	189	178	165	152	137	122	107	91.6	77.3	64.1	51.8	40.8	31.2
40	194	191	186	179	171	162	151	139	126	112	98.8	85.4	72.7	60.8	49.8	39.7	30.9	8.19
45	171	170	168	164	159	152	144	134	124	113	102	90.4	78.9	67.9	57.5	47.7	38.7	30.6
50	147	145	142	138	132	126	118	110	101	91.6	82.1	72.4	63.1	54.1	45.6	37.6	30.4	9.14
55	123	123	121	119	116	112	107	102	95.2	88.2	80.8	73.2	65.4	57.8	50.3	43.0	36.3	30.0
60	98.7	98.0	96.8	94.9	92.5	89.1	85.1	80.5	75.5	70.0	64.3	58.4	52.4	46.4	40.5	34.9	29.6	10.7
65	77.0	77.2	77.1	76.6	75.8	74.5	72.6	70.2	67.2	64.0	60.2	56.1	51.8	47.3	42.7	38.1	33.6	29.2
70	55.7	56.2	56.5	56.6	56.5	56.1	55.2	54.0	52.4	50.4	47.9	45.2	42.3	39.1	35.8	32.4	28.9	12.2
75	39.0	39.6	40.5	41.3	42.0	42.3	42.5	42.8	42.7	42.4	41.6	40.5	39.1	37.3	35.4	33.2	30.8	28.2
80	23.6	24.7	26.1	27.4	28.0	28.9	30.3	31.4	32.3	32.8	33.1	32.9	32.4	31.6	30.6	29.3	27.4	15.1
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:QC1
Test Date:2019-09-14

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.275
Humidity:61%
Test Distance:8.200m [K=1.0000]
Remarks: