

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

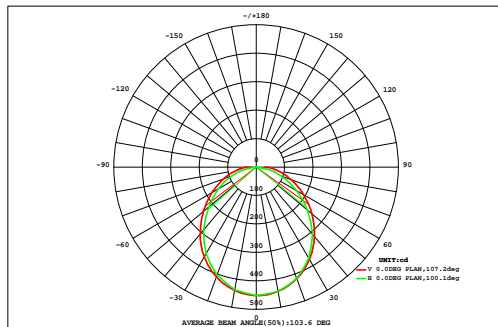
Maximum Intensity (Luminaire orientation as tested.)		374.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	157.4V x 175.0H 100.1V x 107.2H 42.0V x 44.2H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	997.3 lumens per klm. 987.0 lumens per klm. 663.6 lumens per klm. 152.0 lumens per klm.
	Upward LOR Downward LOR	0.0 % 99.7 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

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:120.0V I:0.1159A P:13.78W PF:0.9914 Lamp Flux:1203.43x1 lm		
NAME: LLS-COVE1-W40-15W-120V-016 3030灯珠	TYPE:LLS	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201909086
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:87.30lm/W	
MODEL	LLS-COVE1-W40	Imax(cd)	451.0
NOMINAL POWER(W)	14	AVAILABILITY(%)	99.2
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	1194
NOMINAL FLUX(lm)	1203.43	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1203
TEST VOLTAGE(V)	120.0	θ @50%(H,V)	107,100DEG

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	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	0.00
80	0.13	0.45	0.82	1.19	1.52	1.78	1.95	2.05	2.13	2.13	2.09	2.02	1.87	1.62	1.28	0.89	0.49	0.15	24.6	24.0	
70	0.12	0.45	0.93	1.50	2.12	2.73	3.26	3.65	3.87	3.89	3.72	3.37	2.86	2.25	1.61	1.00	0.50	0.13	38.0	37.9	
60	0.13	0.54	1.17	2.01	2.97	3.97	4.88	5.58	5.97	6.01	5.68	5.02	4.14	3.13	2.14	1.26	0.58	0.14	55.3	55.3	
50	0.14	0.61	1.40	2.49	3.81	5.22	6.53	7.55	8.14	8.19	7.69	6.72	5.43	4.02	2.66	1.51	0.66	0.15	72.9	72.9	
40	0.15	0.68	1.61	2.95	4.60	6.40	8.10	9.43	10.2	10.3	9.59	8.32	6.63	4.82	3.12	1.72	0.73	0.16	89.5	89.5	
30	0.15	0.73	1.77	3.31	5.24	7.38	9.40	11.0	11.9	11.9	11.1	9.62	7.61	5.48	3.50	1.90	0.79	0.16	103	103	
20	0.16	0.77	1.90	3.57	5.69	8.05	10.3	12.0	13.0	13.1	12.2	10.5	8.33	5.96	3.78	2.03	0.83	0.17	112	112	
10	0.16	0.78	1.95	3.69	5.91	8.38	10.7	12.5	13.5	13.6	12.7	10.9	8.67	6.18	3.90	2.09	0.85	0.17	117	117	
0	0.15	0.78	1.94	3.67	5.87	8.33	10.6	12.4	13.4	13.5	12.6	10.9	8.60	6.15	3.89	2.08	0.84	0.17	116	116	
-10	0.14	0.76	1.87	3.52	5.60	7.89	10.1	11.7	12.7	12.8	11.9	10.3	8.18	5.85	3.72	2.00	0.82	0.16	110	110	
-20	0.12	0.71	1.74	3.23	5.09	7.14	9.07	10.6	11.4	11.5	10.7	9.29	7.38	5.34	3.42	1.86	0.77	0.14	99.5	99.4	
-30	0.10	0.63	1.56	2.84	4.42	6.12	7.71	8.95	9.66	9.71	9.10	7.91	6.32	4.62	3.01	1.68	0.71	0.12	85.2	85.0	
-40	0.09	0.52	1.35	2.39	3.62	4.93	6.13	7.06	7.59	7.63	7.18	6.29	5.12	3.81	2.54	1.45	0.61	0.11	68.4	68.2	
-50	0.08	0.39	1.07	1.90	2.79	3.72	4.56	5.21	5.57	5.60	5.29	4.68	3.87	2.96	2.04	1.21	0.51	0.10	51.5	51.2	
-60	0.06	0.27	0.73	1.36	1.93	2.59	3.11	3.51	3.73	3.75	3.57	3.20	2.70	2.13	1.53	0.96	0.40	0.10	35.6	35.0	
-70	0.06	0.22	0.51	0.82	1.08	1.48	1.67	1.84	1.91	1.93	1.91	1.83	1.66	1.39	1.05	0.70	0.31	0.09	20.5	17.2	
-80	0.03	0.10	0.19	0.27	0.30	0.29	0.27	0.32	0.30	0.31	0.34	0.38	0.42	0.42	0.37	0.25	0.12	0.04	4.70	0.18	
-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	0.00
Φ t	1.96	9.38	22.5	40.7	62.6	86.4	108	125	135	136	127	111	89.8	66.1	43.6	24.6	10.5	2.26	1203	---	
Φ a	1.26	8.67	21.8	40.1	61.9	85.9	108	125	134	135	127	111	89.4	65.8	43.3	24.3	10.0	1.71	---	1194	

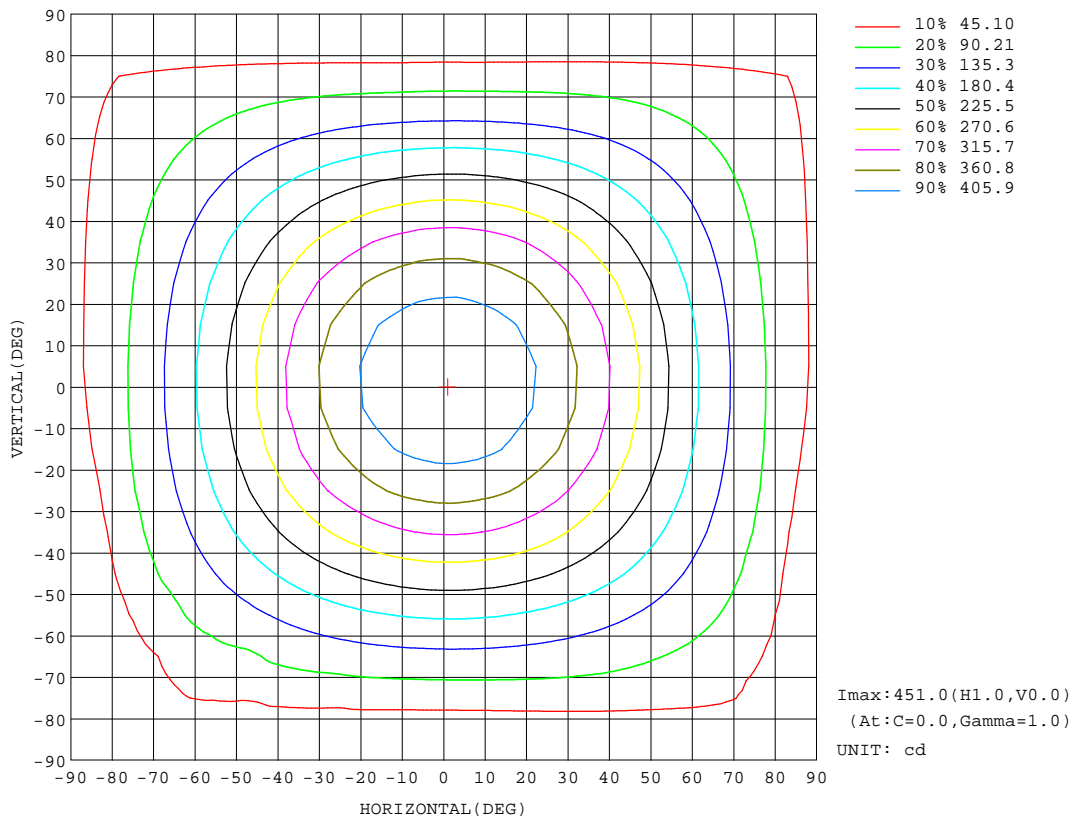
one-half-peak spread: U:49.1,D:51.6 , L:53.9,R:53.9 NEMA Beam Type: Type 7

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:120.0V I:0.1159A P:13.78W PF:0.9914 Lamp Flux:1203.43x1 lm		
NAME: LLS-COVE1-W40-15W-120V-016 3030灯珠	TYPE:LLS	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201909086
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:

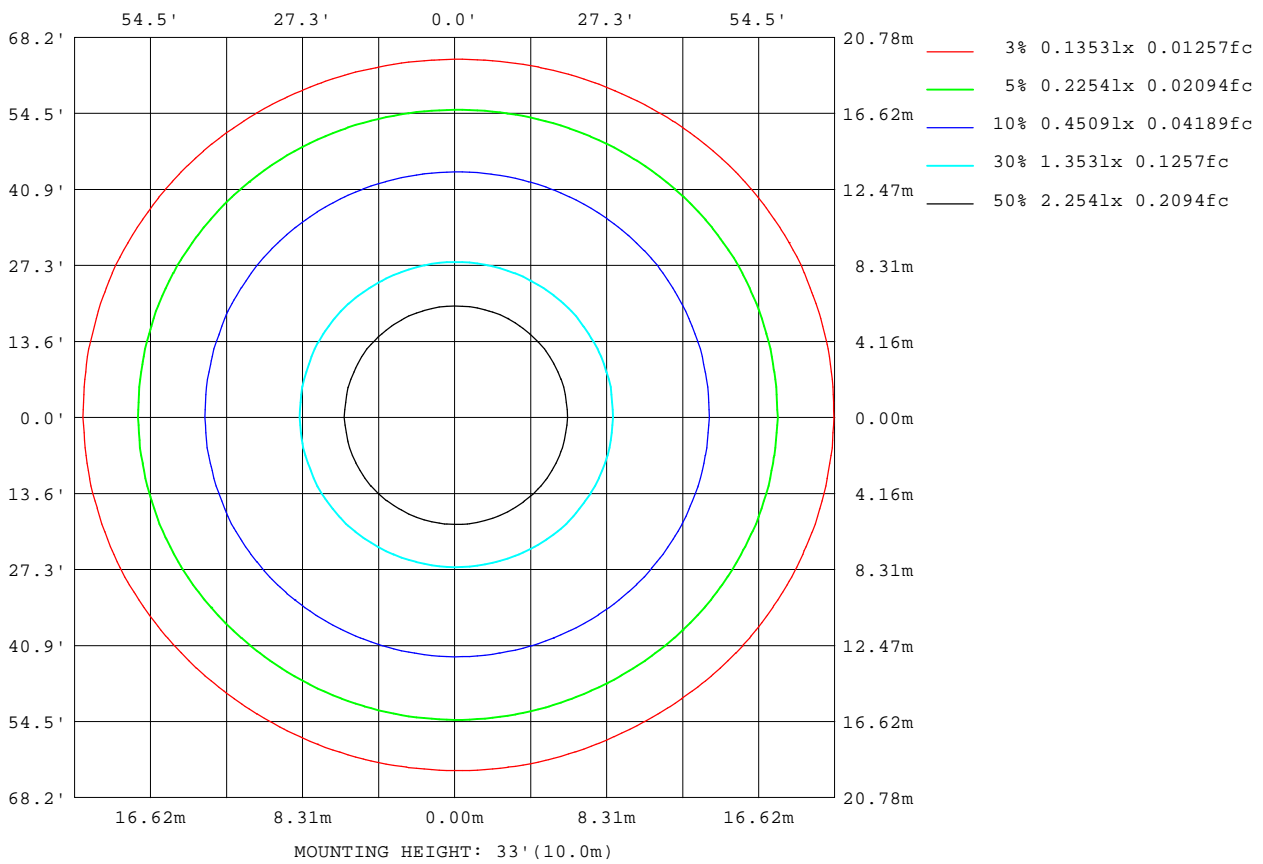


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 Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.:201909086
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:

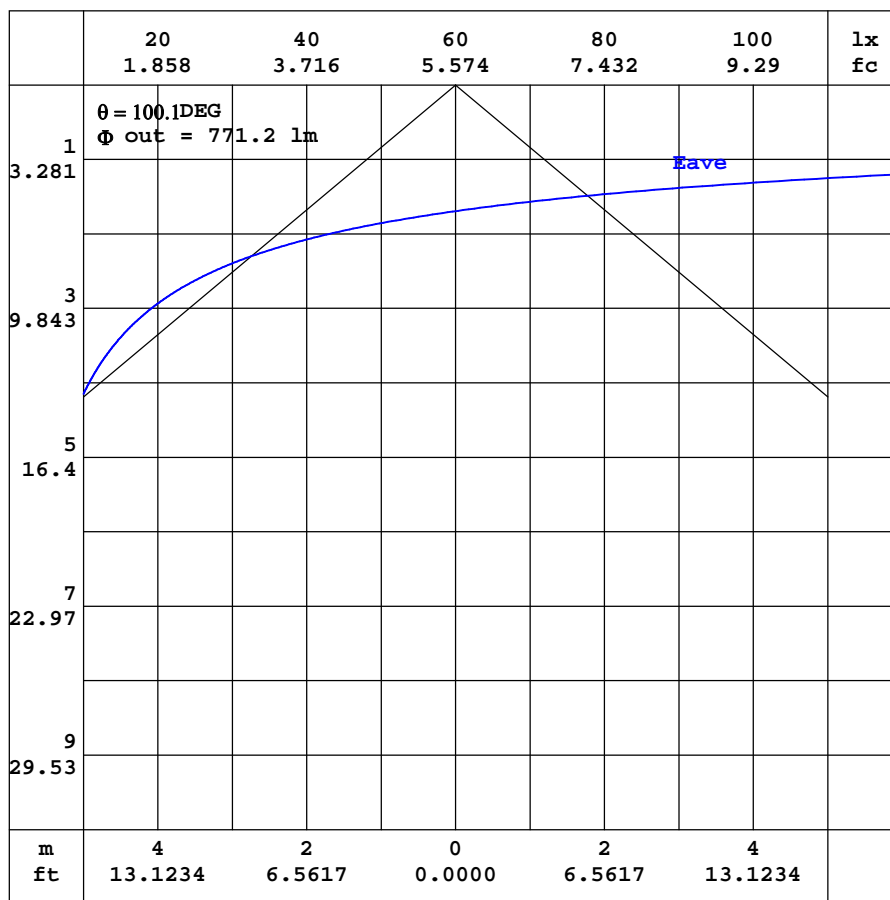


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:QC1
Test Date:2019-09-14

V(B) Range:-80 - 80DEG
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Test Distance:8.200m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.0V I:0.1159A P:13.78W PF:0.9914 Lamp Flux:1203.43x1 lm		
NAME: LLS-COVE1-W40-15W-120V-016 3030灯珠	TYPE:LLS	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201909086
MFR.: 中山市泰然光电科技有限公司	SUR.:	PROTECTION ANGLE:

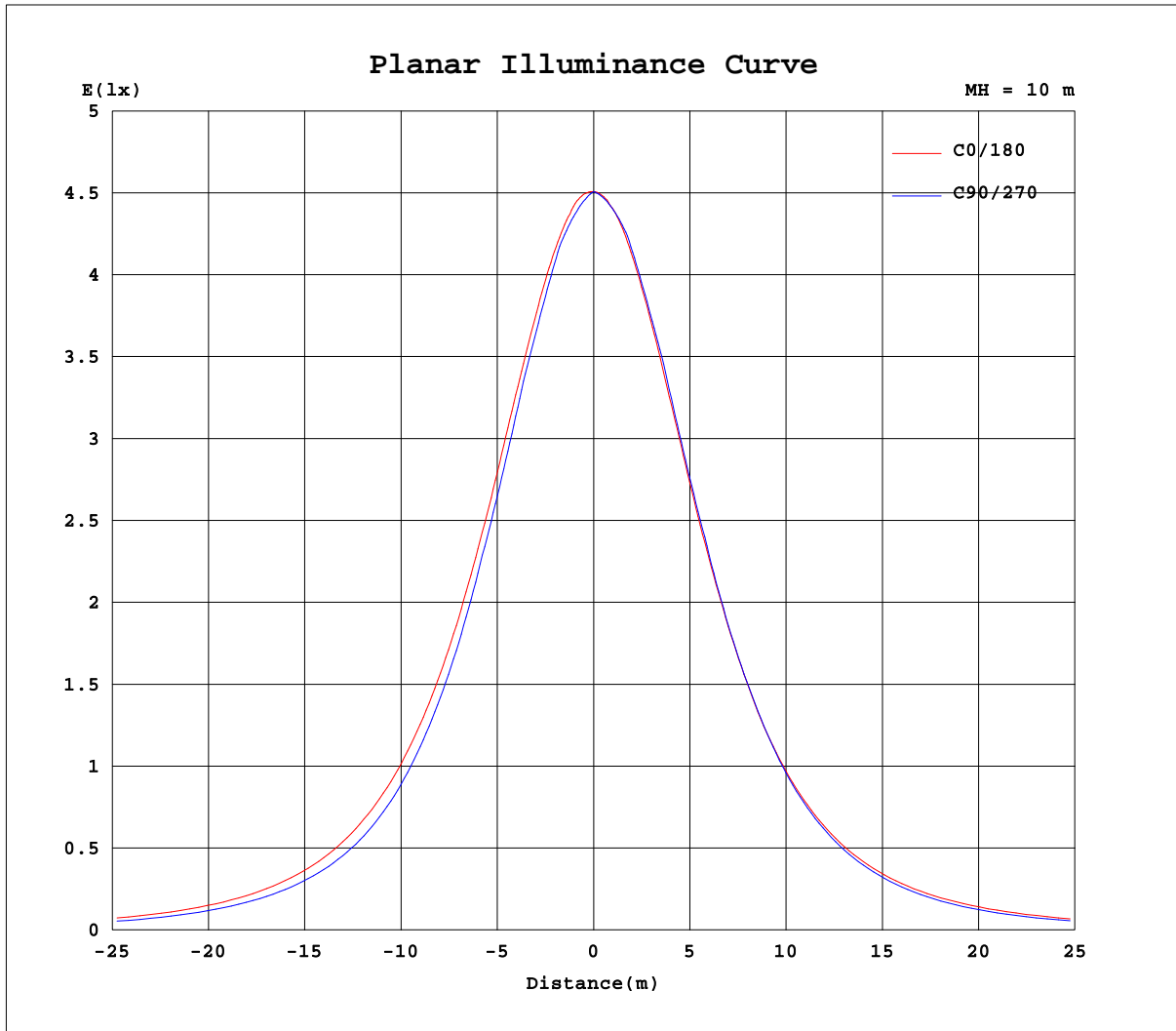


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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



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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:120.0V I:0.1159A P:13.78W PF:0.9914 Lamp Flux:1203.43x1 lm		
NAME: LLS-COVE1-W40-15W-120V-016 3030灯珠	TYPE:LLS	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201909086
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	24.3	23.6	21.9	26.0	28.7	33.6	36.9	36.3	36.0	35.4	35.4	35.3	34.2	31.4	36.0	35.2	34.5	34.3	34.3
-75	23.6	24.0	23.8	27.7	32.8	39.8	46.1	48.1	48.6	50.0	56.7	59.1	59.8	59.4	62.6	62.9	63.1	63.4	63.7
-70	22.9	24.3	25.7	29.4	36.8	46.1	55.3	59.9	61.2	64.5	78.0	82.8	85.3	87.4	89.3	90.5	91.7	92.5	93.1
-65	22.8	24.4	26.7	33.9	43.1	56.3	70.3	77.2	81.7	87.6	98.2	104	109	113	117	120	122	123	124
-60	22.7	24.5	27.8	38.4	49.4	66.6	85.3	94.5	102	111	118	126	133	139	144	149	152	154	155
-55	23.7	26.8	33.2	46.9	63.1	80.9	97.0	108	119	130	140	149	158	166	173	178	182	185	186
-50	24.7	29.0	38.5	55.3	76.7	95.3	109	122	136	149	161	173	184	193	201	207	213	216	217
-45	24.0	28.8	42.5	62.2	85.8	104	120	136	152	168	183	197	210	222	232	240	246	250	252
-40	23.2	28.6	46.4	69.2	94.9	113	131	149	168	187	204	222	237	251	263	273	280	285	287
-35	19.9	30.5	50.7	77.1	100	120	140	161	183	204	224	244	262	278	292	303	312	317	320
-30	16.5	32.3	54.9	85.0	105	127	149	174	197	222	245	266	287	306	321	334	344	350	353
-25	16.4	35.2	62.5	88.2	110	133	157	183	209	235	260	285	308	327	344	358	369	375	378
-20	16.2	38.0	70.1	91.5	114	139	165	193	220	249	276	303	328	349	368	382	394	400	404
-15	16.3	44.3	70.9	93.1	117	143	171	199	229	258	287	314	340	363	383	398	410	417	421
-10	16.4	50.7	71.8	94.7	120	146	176	206	237	267	298	326	353	377	398	414	426	434	437
-5	16.4	51.5	72.6	95.7	121	148	178	208	239	271	302	332	359	383	404	420	433	441	444
0	16.4	52.4	73.3	96.8	122	150	179	211	242	275	306	337	365	389	410	427	440	447	451
5	24.3	52.2	72.9	96.0	121	149	178	209	241	272	304	334	361	386	407	424	436	444	447
10	32.2	51.9	72.4	95.2	120	148	177	208	239	270	301	331	358	383	404	421	433	441	444
15	32.4	51.8	71.7	94.0	118	145	173	202	232	262	292	321	348	371	392	408	419	427	430
20	32.5	51.7	71.1	92.8	116	142	169	197	225	255	283	312	338	360	379	395	406	414	417
25	32.6	50.8	69.3	89.8	112	136	161	188	215	242	269	295	319	340	358	373	383	391	393
30	32.7	50.0	67.5	86.9	108	130	154	179	204	229	254	278	300	320	336	350	360	368	370
35	32.8	49.3	65.6	83.6	103	123	145	167	190	213	235	256	275	293	308	320	330	337	339
40	32.9	48.6	63.6	80.3	97.9	117	136	156	176	196	215	234	251	266	280	291	299	305	308
45	32.9	47.3	60.9	75.7	91.4	108	125	142	160	177	193	209	224	237	248	257	264	269	271
50	33.0	46.0	58.1	71.2	84.9	99.3	114	128	143	157	172	184	197	207	216	224	230	233	235
55	33.1	44.9	55.5	66.6	78.3	90.3	102	114	126	138	149	160	169	177	185	191	195	198	199
60	33.2	43.8	52.8	62.1	71.6	81.4	90.9	100	110	118	127	135	142	148	153	157	160	162	163
65	33.3	42.4	49.7	57.1	64.5	72.0	79.1	86.2	92.9	99.2	105	110	115	119	123	125	127	129	130
70	33.3	41.0	46.6	52.0	57.4	62.5	67.4	72.0	76.2	79.9	83.3	86.2	88.7	90.7	92.4	93.8	94.8	95.7	96.2
75	33.7	39.9	43.9	47.7	51.2	54.3	57.2	59.6	61.7	63.3	64.5	65.5	66.0	66.3	66.4	66.5	66.8	67.5	67.8
80	34.0	38.8	41.2	43.3	44.9	46.2	46.9	47.2	47.1	46.7	45.8	44.7	43.3	41.9	40.5	39.3	38.7	39.3	39.4
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

H(β) Range:-90 - 90DEG
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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	34.9	35.7	37.1	38.8	40.7	42.6	44.5	46.2	47.5	48.3	48.3	47.7	43.3	38.2	32.4	31.8	31.1	30.2
-75	64.2	64.6	65.2	65.8	66.3	66.5	66.4	65.9	64.6	62.8	60.7	58.6	54.2	46.9	37.4	35.3	31.8	29.7
-70	93.5	93.5	93.4	92.8	91.9	90.4	88.2	85.6	81.6	77.3	73.2	69.4	65.1	55.7	42.4	38.8	32.5	29.2
-65	124	123	122	120	117	113	109	105	99.4	93.5	87.4	81.2	74.5	63.8	49.0	40.2	34.1	28.9
-60	155	153	150	147	142	136	130	124	117	110	102	93.0	83.9	72.0	55.7	41.7	35.8	28.6
-55	186	184	181	176	170	163	155	147	137	127	116	105	93.5	80.6	62.2	45.1	36.5	28.5
-50	217	215	211	206	199	190	180	169	157	144	131	117	103	89.1	68.7	48.6	37.2	28.4
-45	252	249	244	237	228	217	205	191	176	161	145	128	112	95.7	76.3	52.9	36.5	27.6
-40	286	283	277	268	257	244	230	213	196	177	158	140	121	102	83.9	57.2	35.8	26.9
-35	319	315	308	298	285	270	252	234	214	192	171	150	129	108	88.4	62.9	38.0	25.0
-30	352	347	340	328	314	295	275	254	231	208	184	160	137	114	92.9	68.7	40.2	23.2
-25	377	372	363	351	335	316	294	271	246	220	194	168	143	119	95.8	72.4	44.3	20.8
-20	402	397	387	374	357	336	314	288	260	233	205	176	148	123	98.6	76.0	48.4	18.4
-15	419	414	403	389	372	350	326	300	270	241	211	182	153	126	101	77.5	52.7	18.5
-10	436	430	420	405	387	364	339	311	279	248	217	187	158	130	103	78.9	57.1	18.7
-5	443	437	426	411	392	369	343	315	283	252	220	189	159	130	104	79.1	57.0	23.7
0	450	443	432	417	398	374	347	318	287	256	223	191	161	131	104	79.3	57.0	28.8
5	447	440	429	414	395	372	346	317	285	253	221	190	160	131	104	79.4	57.1	32.2
10	443	437	426	412	392	370	344	315	282	251	220	189	159	131	104	79.4	57.1	35.7
15	429	423	413	398	379	358	333	305	274	245	214	184	155	128	102	78.1	56.5	35.7
20	415	410	399	385	367	346	321	295	267	238	208	180	151	125	99.7	76.7	55.8	35.8
25	392	387	377	364	347	328	304	280	253	226	199	172	146	121	97.2	75.2	55.3	35.9
30	369	364	355	343	327	310	287	264	240	215	190	164	140	117	94.7	73.7	54.8	36.1
35	338	333	326	315	301	285	265	245	223	200	178	154	132	111	90.5	71.2	53.6	36.4
40	307	303	296	286	274	260	243	226	206	186	166	144	124	105	86.3	68.8	52.4	36.7
45	271	267	262	254	244	232	218	203	186	169	151	133	116	98.7	82.0	66.2	51.5	36.8
50	235	232	228	221	213	204	192	180	166	152	137	122	107	92.4	77.8	63.6	50.6	37.0
55	199	197	194	189	183	175	166	156	146	134	122	110	97.3	84.9	72.5	60.4	49.1	37.1
60	163	162	160	157	152	147	140	133	125	116	107	97.4	87.4	77.3	67.2	57.2	47.6	37.3
65	130	129	128	126	123	120	115	111	105	99.1	92.3	85.3	77.8	70.0	62.1	54.1	46.3	37.5
70	96.3	96.3	95.8	95.1	94.2	92.6	90.6	88.3	85.3	81.8	77.6	73.2	68.1	62.8	57.0	51.0	45.0	37.7
75	67.7	67.7	68.1	68.5	68.9	69.0	68.8	68.4	67.4	66.0	64.0	61.7	58.8	55.5	51.7	47.6	43.2	37.3
80	39.1	39.1	40.3	41.9	43.7	45.4	47.0	48.5	49.5	50.2	50.4	50.2	49.5	48.2	46.4	44.2	41.5	37.0
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: