

Floodlight Summary:

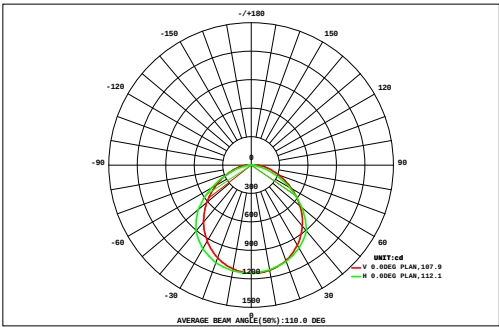
Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		352.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	154.9V x 166.7H
	At 50% of Imax	112.1V x 107.9H
	At 90% of Imax	57.6V x 46.3H
Beam Flux	Total	997.8 lumens per klm.
	To 10% of Imax	984.6 lumens per klm.
	To 50% of Imax	732.9 lumens per klm.
	To 90% of Imax	204.5 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Temperature:28.0DEG	Humidity:83%
Operators:QC1	Test Distance:8.300m [K=1.0000]
Test Date:2024-12-28	Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.2209A P:29.84W PF:1.000 Freq:50.00Hz Lamp Flux:3238.45x1 lm		
NAME: 8.02.003.0445 LLS-COVE1-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120101
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:108.52lm/W	
MODELS-COVE1-W40-L12-DIM	Imax(cd)	1141	
NOMINAL POWER(W)	29	AVAILABILITY(%)	98.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	3203
NOMINAL FLUX(lm)	3238.45	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3238
TEST VOLTAGE(V)	220	θ @50%(H,V)	108,112DEG

AREA FLUX DIAGRAM																		UNIT:lm	Φ t	Φ a
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	0.24	0.94	1.91	3.09	4.06	4.71	4.99	4.96	4.83	4.78	4.81	4.73	4.36	3.67	2.73	1.67	0.81	0.22	57.5	52.3
70	0.23	0.98	2.24	4.01	6.00	7.89	9.41	10.5	11.0	10.9	10.2	9.05	7.45	5.54	3.61	1.99	0.86	0.20	102	101
60	0.26	1.18	2.91	5.43	8.64	12.0	15.0	17.3	18.4	18.3	16.9	14.5	11.4	8.02	4.94	2.58	1.03	0.22	159	158
50	0.28	1.38	3.55	6.85	11.0	15.7	20.1	23.4	25.0	24.9	22.9	19.4	14.9	10.3	6.25	3.17	1.22	0.24	211	210
40	0.30	1.56	4.11	8.10	13.1	18.6	23.6	27.4	29.4	29.2	26.8	22.8	17.7	12.3	7.45	3.71	1.38	0.26	248	247
30	0.32	1.71	4.59	9.07	14.7	20.6	26.0	30.0	32.1	32.0	29.5	25.2	19.7	13.8	8.39	4.14	1.51	0.27	274	273
20	0.33	1.81	4.90	9.72	15.7	21.9	27.5	31.6	33.7	33.6	31.1	26.7	21.0	14.8	9.00	4.44	1.59	0.28	290	289
10	0.33	1.86	5.05	10.00	16.1	22.5	28.1	32.3	34.4	34.3	31.8	27.4	21.6	15.3	9.33	4.59	1.63	0.29	297	297
0	0.30	1.85	5.08	10.0	16.1	22.4	28.0	32.1	34.3	34.1	31.6	27.2	21.4	15.1	9.23	4.54	1.62	0.27	295	295
-10	0.23	1.74	4.93	9.72	15.6	21.7	27.2	31.2	33.4	33.2	30.7	26.3	20.6	14.5	8.76	4.29	1.51	0.22	286	285
-20	0.18	1.43	4.51	9.03	14.6	20.4	25.7	29.6	31.7	31.4	29.0	24.6	19.1	13.2	7.96	3.90	1.28	0.17	268	267
-30	0.19	1.09	3.80	8.02	13.0	18.4	23.4	27.2	29.1	28.8	26.4	22.1	16.9	11.6	6.93	3.30	1.01	0.19	242	241
-40	0.21	0.95	2.88	6.69	11.0	15.7	20.0	23.2	24.8	24.4	22.2	18.5	14.1	9.61	5.72	2.59	0.92	0.18	204	203
-50	0.22	0.86	2.25	5.04	8.66	12.2	15.1	17.0	17.8	17.5	16.0	13.7	10.7	7.41	4.39	2.00	0.83	0.17	152	150
-60	0.21	0.77	1.68	3.57	6.21	8.10	9.53	10.4	10.7	10.4	9.61	8.34	6.77	5.02	3.06	1.55	0.67	0.15	96.8	94.2
-70	0.19	0.64	1.21	2.34	3.69	4.40	4.73	4.72	4.54	4.32	4.13	3.87	3.44	2.82	1.89	1.10	0.51	0.13	48.7	38.4
-80	0.09	0.27	0.46	0.80	1.06	1.05	0.87	0.61	0.41	0.36	0.44	0.61	0.73	0.73	0.55	0.36	0.19	0.06	9.65	0.34
-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	4.11	21.0	56.1	111	179	248	309	354	376	373	344	295	232	164	100	49.9	18.5	3.52	3238	---
Φ a	1.39	17.4	54.0	110	178	247	308	352	374	371	343	293	231	163	98.4	47.7	14.6	0.67	---	3203

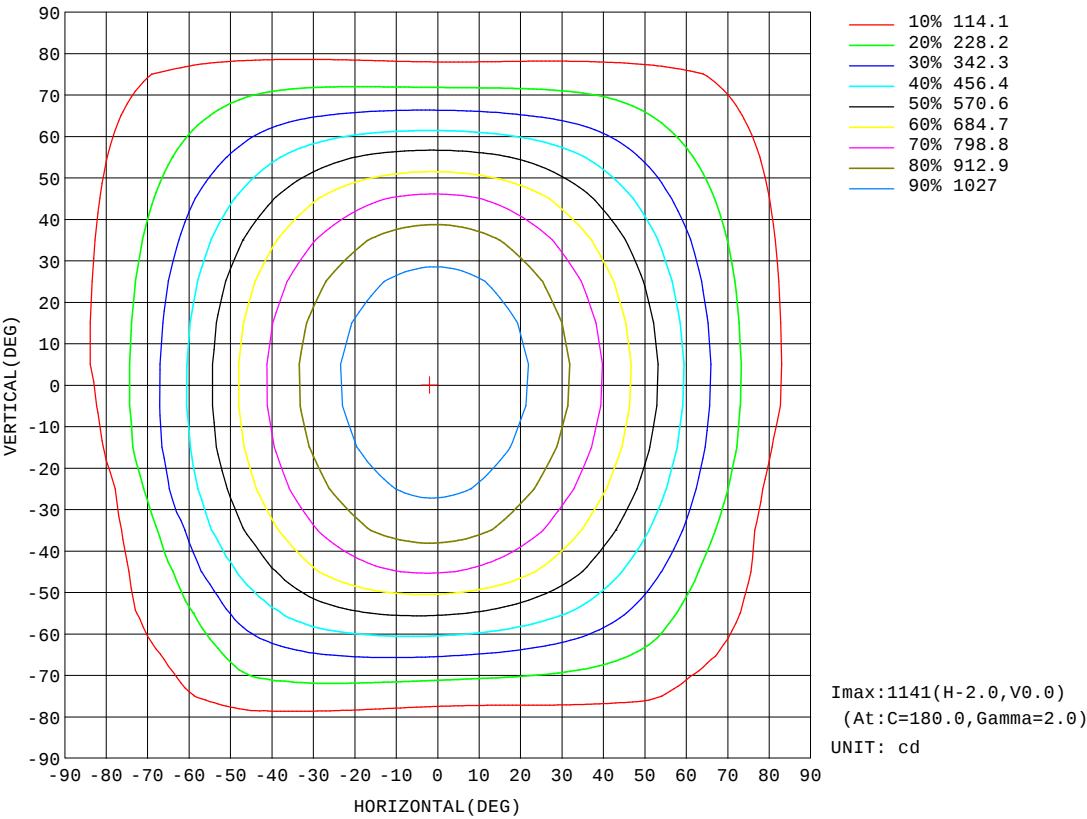
one-half-peak spread: U:55.8,D:56.8 , L:53.9,R:54.6 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-28

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.8V I:0.2209A P:29.84W PF:1.000 Freq:50.00Hz Lamp Flux:3238.45x1 lm		
NAME: 8.02.003.0445 LLS-COVE1-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120101
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

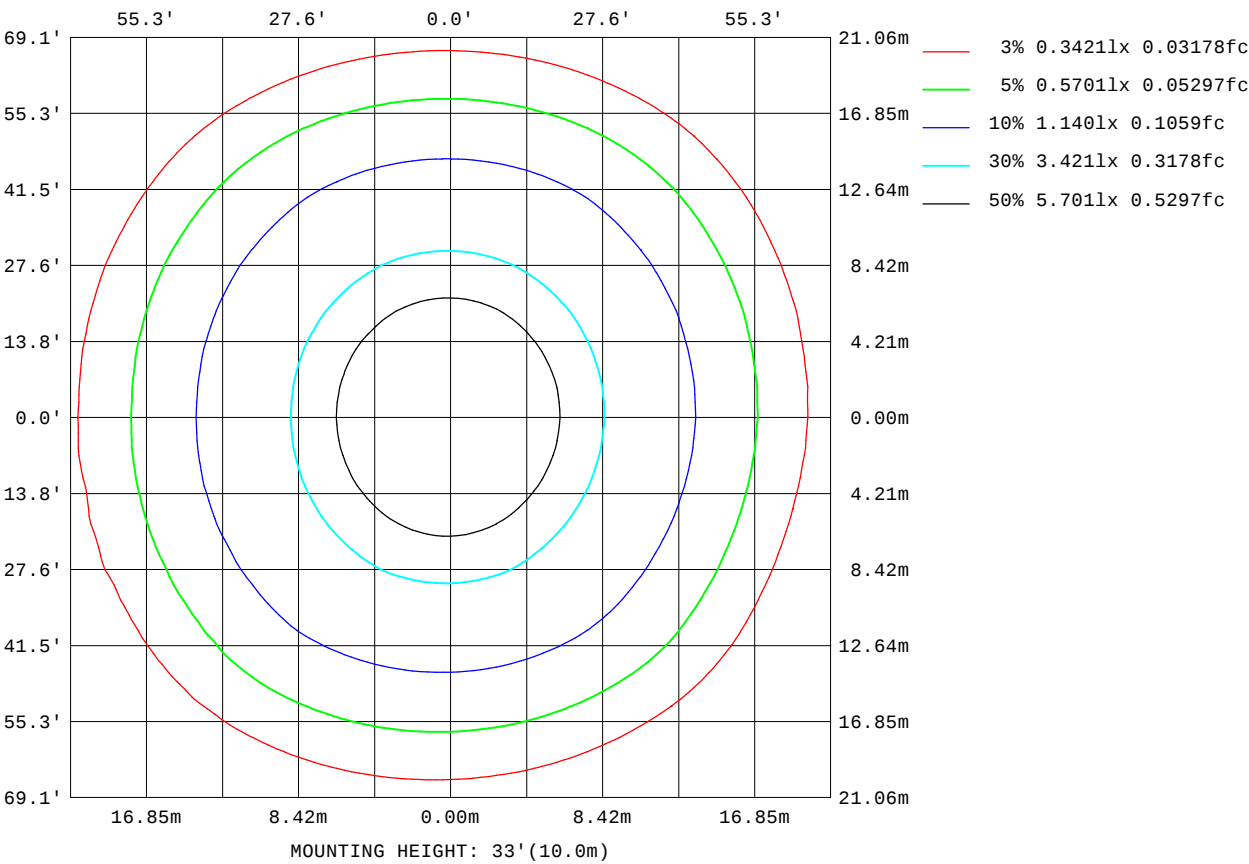


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-28

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

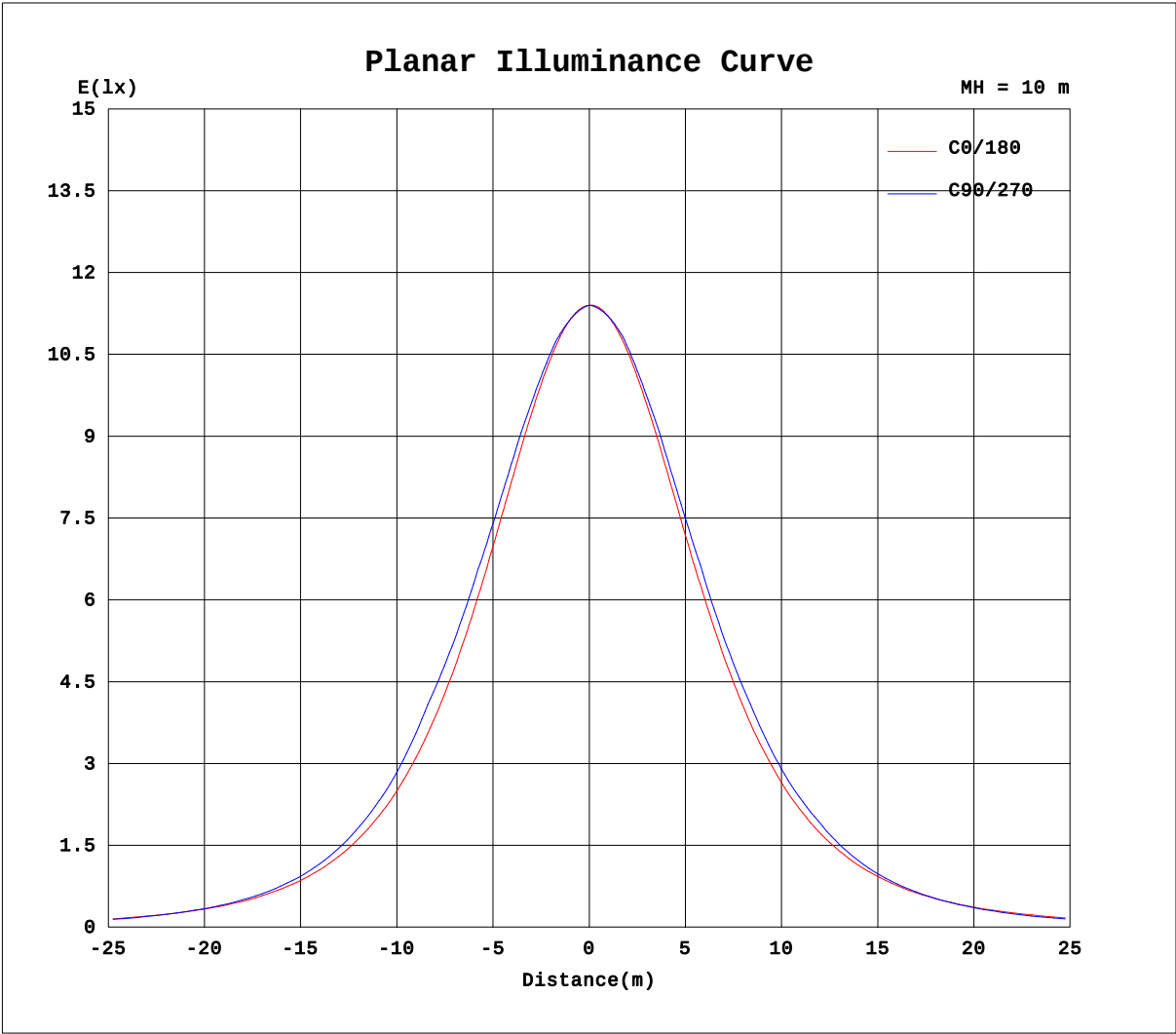
Test:U:220.8V I:0.2209A P:29.84W PF:1.000 Freq:50.00Hz Lamp Flux:3238.45x1 lm		
NAME: 8.02.003.0445 LLS-COVE1-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120101
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-28

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve

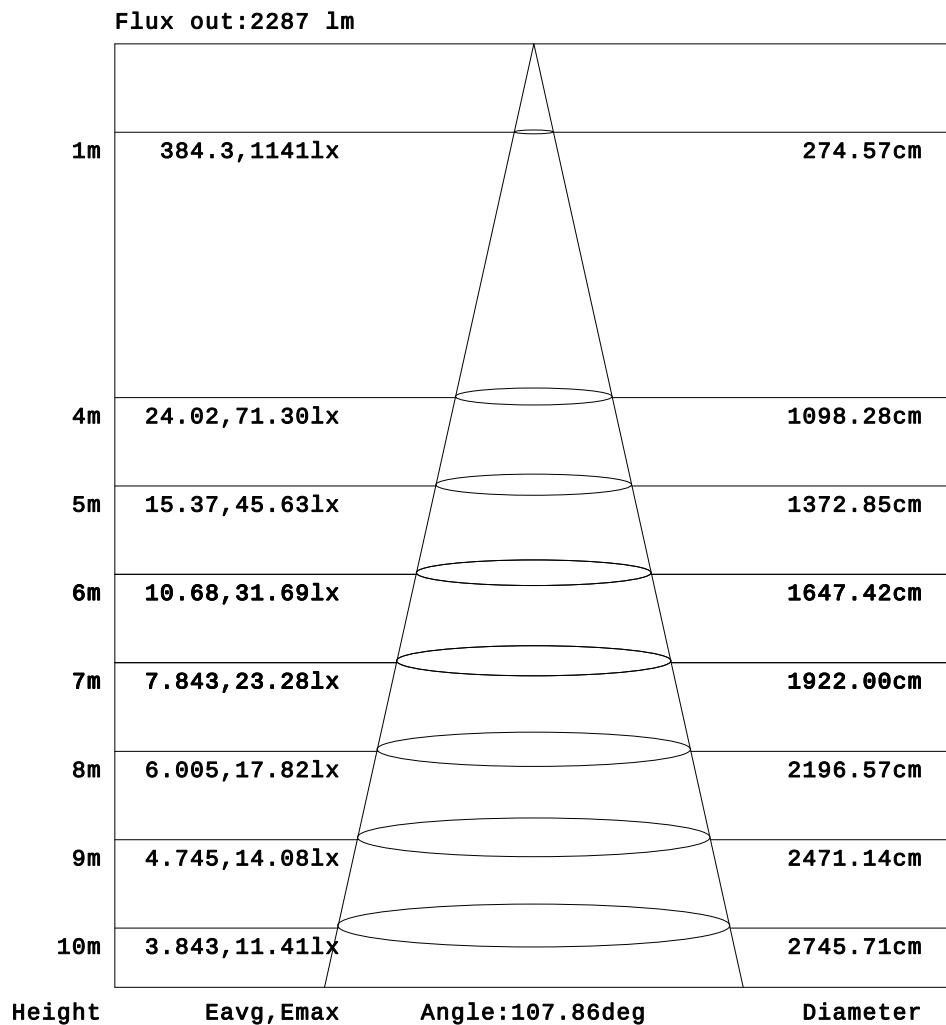


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-28

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.8V I:0.2209A P:29.84W PF:1.000 Freq:50.00Hz Lamp Flux:3238.45x1 lm		
NAME: 8.02.003.0445 LLS-COVE1-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120101
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding 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:28.0DEG
Operators:QC1
Test Date:2024-12-28

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.2209A P:29.84W PF:1.000 Freq:50.00Hz Lamp Flux:3238.45x1 lm		
NAME: 8.02.003.0445 LLS-COVE1-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120101
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H(°) \ V(°)	-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	65.5	69.0	69.9	72.1	72.9	76.9	89.7	104	117	126	122	117	110	101	92.2	83.2	75.0	68.7	64.8
-75	63.3	70.9	74.8	78.5	84.1	89.9	109	132	155	176	180	181	180	177	172	167	162	156	152
-70	67.2	75.4	81.2	88.9	96.7	108	136	168	201	229	239	245	249	251	250	249	246	242	238
-65	63.4	74.6	83.4	93.9	105	123	158	199	244	286	307	322	336	346	352	356	357	356	352
-60	67.7	77.9	89.7	105	118	150	195	244	307	352	382	405	428	443	456	464	468	468	464
-55	62.2	76.9	90.4	104	125	166	218	277	344	396	440	480	515	541	560	574	583	586	583
-50	65.9	80.7	94.6	113	143	200	262	339	408	460	509	569	615	647	671	689	700	703	700
-45	59.6	72.7	89.9	111	150	213	289	371	437	498	562	620	672	716	752	779	796	806	806
-40	58.8	68.1	90.3	123	180	253	350	434	492	560	632	692	749	801	844	877	898	910	909
-35	47.5	62.2	85.8	125	190	279	364	451	518	593	664	729	788	841	886	920	944	958	961
-30	40.4	63.9	94.9	148	233	345	420	493	574	652	723	790	849	901	944	975	998	1010	1010
-25	31.1	54.1	91.7	157	244	337	416	502	585	666	741	810	872	924	969	1003	1028	1043	1046
-20	33.6	60.3	106	207	293	371	458	546	630	711	787	856	916	968	1010	1043	1066	1079	1080
-15	16.9	54.0	124	198	284	366	449	541	629	713	790	861	924	978	1023	1058	1084	1098	1102
-10	17.5	72.1	166	233	312	395	484	574	662	746	824	894	955	1008	1052	1085	1108	1121	1122
-5	0.00	77.4	154	219	293	379	468	559	650	736	816	889	953	1007	1053	1088	1114	1128	1132
0	42.5	111	168	234	309	398	488	581	672	760	839	911	974	1027	1071	1103	1126	1139	1140
5	12.3	101	156	219	292	376	466	558	649	737	818	891	957	1011	1057	1092	1118	1133	1137
10	59.7	114	167	232	307	390	480	572	662	748	828	900	963	1016	1060	1094	1117	1130	1133
15	39.1	103	153	214	284	365	452	542	631	716	796	869	933	987	1033	1069	1094	1110	1114
20	63.4	111	162	222	292	374	460	547	634	717	794	865	926	979	1023	1056	1080	1093	1095
25	45.2	100	146	203	268	343	423	506	590	670	747	817	879	933	979	1015	1040	1055	1060
30	62.9	106	151	208	271	342	419	499	578	655	728	796	856	907	951	985	1008	1021	1023
35	48.2	96.6	136	186	243	308	379	452	526	599	669	734	793	845	889	924	949	963	967
40	63.4	101	140	186	240	300	368	435	504	571	636	697	753	802	843	874	896	908	909
45	50.6	92.0	125	165	213	266	325	384	445	505	564	620	672	719	757	786	807	818	821
50	62.9	95.1	126	162	206	254	305	357	409	463	515	565	611	653	685	708	724	732	733
55	52.3	85.8	113	143	179	219	263	306	350	396	440	479	514	545	570	589	601	609	610
60	62.7	88.3	111	137	167	202	238	273	308	348	381	407	429	448	463	475	483	487	487
65	53.4	76.3	99.6	120	144	171	200	228	254	280	303	321	335	347	356	363	367	369	369
70	61.8	77.3	96.0	112	130	151	174	194	210	222	233	241	247	250	252	253	252	252	251
75	54.5	70.5	84.2	98.3	111	126	142	156	165	171	175	177	177	175	172	169	166	163	162
80	60.5	70.6	79.4	89.6	97.7	107	116	122	123	121	118	113	107	99.3	91.4	83.8	77.4	73.3	71.8
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
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-28

V(β) Range:-80 - 80DEG
V(β) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.2209A P:29.84W PF:1.000 Freq:50.00Hz Lamp Flux:3238.45x1 lm		
NAME: 8.02.003.0445 LLS-COVE1-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120101
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H(°) \ V(°)	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	63.7	65.1	68.6	73.3	78.3	83.0	86.9	89.6	91.0	88.1	79.3	70.4	66.5	57.6	52.6	48.7	46.2	44.0
-75	149	148	147	147	147	146	143	140	135	129	111	95.1	86.2	75.8	63.9	55.9	48.9	43.8
-70	234	230	225	220	215	207	199	189	178	164	135	115	102	88.6	71.8	60.3	49.7	41.7
-65	347	340	330	319	306	292	275	257	236	213	179	144	122	105	85.1	66.9	54.0	43.5
-60	457	446	431	413	393	370	345	317	286	251	206	161	135	113	91.2	67.6	53.9	40.7
-55	576	563	545	522	495	465	430	389	347	303	256	202	157	129	104	78.5	58.6	43.4
-50	691	674	650	621	586	547	499	445	391	337	285	220	168	135	108	79.1	57.2	40.5
-45	796	778	751	715	672	623	569	510	450	391	331	269	202	151	118	89.0	60.5	42.6
-40	897	872	838	793	739	680	616	552	486	419	354	293	212	151	115	85.9	56.2	38.5
-35	951	930	898	856	804	745	680	612	542	471	400	331	256	185	129	93.1	62.4	39.7
-30	999	977	943	900	847	785	717	645	570	494	417	342	272	193	122	87.8	57.5	34.1
-25	1037	1018	987	946	895	836	769	696	619	540	459	380	304	229	159	98.8	60.4	34.5
-20	1069	1048	1016	973	921	861	792	717	636	554	469	386	307	237	166	90.4	51.9	27.9
-15	1094	1076	1046	1006	956	897	830	755	676	592	505	418	335	258	191	122	67.3	24.0
-10	1113	1093	1062	1020	969	908	839	763	681	595	506	416	329	252	185	130	64.5	5.70
-5	1125	1107	1078	1039	989	931	864	789	708	621	532	441	353	272	202	142	87.0	36.0
0	1131	1111	1081	1039	988	928	859	783	700	612	521	430	342	263	193	134	87.8	41.1
5	1130	1112	1084	1044	995	937	870	795	714	627	537	446	358	275	205	144	96.1	57.0
10	1124	1104	1073	1031	980	920	852	776	693	606	516	426	339	258	190	133	88.1	50.7
15	1108	1089	1060	1021	971	913	846	772	692	607	519	431	346	267	199	141	94.8	58.7
20	1086	1065	1034	992	940	880	812	737	656	573	487	401	320	247	183	128	85.9	51.8
25	1053	1034	1005	965	916	858	794	722	645	565	483	401	321	251	189	135	92.4	58.7
30	1014	994	962	920	870	812	748	678	603	524	445	368	293	228	171	123	84.4	51.9
35	960	941	912	874	828	773	712	646	576	503	429	357	288	227	172	126	88.8	58.6
40	900	879	849	811	765	710	650	587	520	451	384	318	258	203	153	113	80.3	52.7
45	815	800	775	743	702	653	599	542	483	421	360	301	247	197	152	115	83.7	58.2
50	726	712	691	661	622	576	526	474	421	367	311	262	215	172	135	103	76.4	52.7
55	606	596	580	558	530	497	460	419	375	330	284	242	202	163	130	102	77.9	57.5
60	482	474	462	445	426	404	378	347	310	275	239	205	172	140	113	90.6	71.0	53.0
65	367	362	355	346	335	321	305	285	261	236	209	182	156	130	108	88.5	71.9	57.0
70	250	248	246	242	238	232	223	213	201	186	168	149	129	110	93.9	79.4	66.7	53.3
75	161	162	164	165	166	166	164	161	156	149	139	126	112	98.4	86.3	75.4	65.7	56.1
80	73.0	76.8	82.1	88.3	94.4	99.8	104	107	108	108	105	97.5	89.3	81.5	74.1	67.3	61.0	53.1
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:28.0DEG
Operators:QC1
Test Date:2024-12-28

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: