

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	363.9 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	154.6V x 164.0H
	At 50% of Imax	111.0V x 104.8H
	At 90% of Imax	54.7V x 44.7H

Beam Flux	Total	998.0 lumens per klm.
	To 10% of Imax	983.5 lumens per klm.
	To 50% of Imax	723.4 lumens per klm.
	To 90% of Imax	194.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

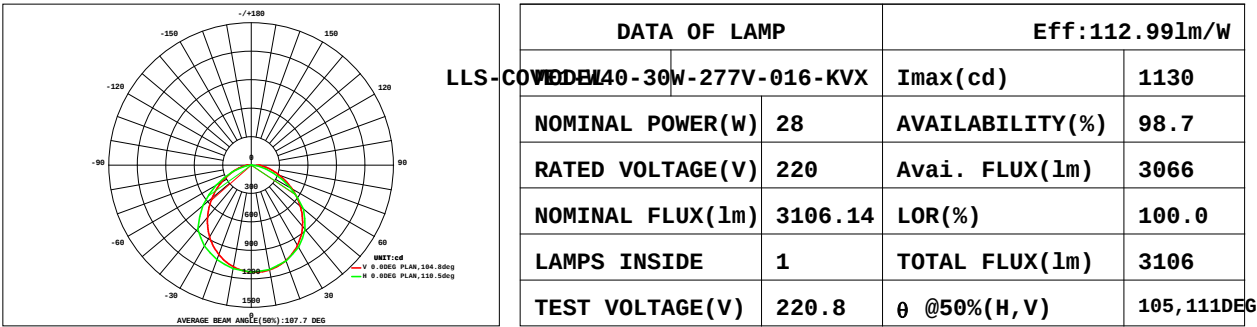
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-15

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.1296A P:27.49W PF:0.9606 Lamp Flux:3106.14x1 lm		
NAME: 8.02.003.0422 LLS-COVE1-W40-30W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700033
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



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
80	0.12	0.49	1.09	1.88	2.65	3.31	3.84	4.25	4.64	5.07	5.44	5.58	5.29	4.58	3.47	2.21	1.11	0.31	55.3
70	0.12	0.57	1.40	2.73	4.37	6.14	7.87	9.37	10.5	11.0	10.8	9.92	8.40	6.41	4.34	2.52	1.14	0.28	97.8
60	0.13	0.71	1.90	3.90	6.63	9.78	13.0	15.8	17.6	18.2	17.5	15.5	12.4	8.95	5.77	3.17	1.34	0.30	153
50	0.15	0.85	2.39	5.07	8.77	13.2	17.8	21.6	24.1	24.7	23.4	20.2	15.9	11.4	7.17	3.80	1.55	0.33	202
40	0.17	0.98	2.85	6.12	10.6	15.9	21.2	25.6	28.3	28.8	27.1	23.6	18.8	13.4	8.41	4.40	1.73	0.35	238
30	0.18	1.08	3.23	6.96	12.0	17.9	23.6	28.3	31.1	31.6	29.8	26.1	20.9	15.0	9.42	4.88	1.88	0.37	264
20	0.18	1.16	3.48	7.53	13.0	19.2	25.2	30.0	32.8	33.3	31.5	27.6	22.2	16.0	10.1	5.20	1.98	0.37	281
10	0.18	1.18	3.60	7.75	13.4	19.7	25.8	30.7	33.6	34.2	32.3	28.4	22.9	16.6	10.4	5.38	2.03	0.38	289
0	0.16	1.16	3.55	7.71	13.3	19.6	25.7	30.5	33.4	34.0	32.2	28.3	22.9	16.5	10.4	5.38	2.04	0.37	287
-10	0.12	1.06	3.35	7.29	12.7	18.8	24.7	29.4	32.4	33.1	31.3	27.5	22.2	16.0	10.1	5.22	1.96	0.30	277
-20	0.09	0.84	2.97	6.58	11.5	17.2	22.9	27.5	30.5	31.2	29.6	25.9	20.8	14.9	9.36	4.85	1.70	0.25	259
-30	0.09	0.61	2.42	5.58	9.83	14.9	20.2	24.8	27.7	28.5	27.0	23.5	18.7	13.3	8.36	4.25	1.40	0.28	231
-40	0.10	0.51	1.74	4.43	7.93	12.2	16.7	20.6	23.2	24.0	22.8	19.8	15.7	11.2	7.06	3.40	1.32	0.28	193
-50	0.10	0.44	1.27	3.16	5.91	8.98	12.1	14.6	16.3	16.8	16.2	14.5	12.0	8.81	5.57	2.73	1.19	0.26	141
-60	0.09	0.37	0.88	2.05	3.87	5.57	7.12	8.44	9.39	9.82	9.68	8.95	7.69	6.11	4.02	2.21	1.00	0.24	87.5
-70	0.08	0.28	0.56	1.16	2.05	2.62	3.07	3.38	3.66	3.95	4.21	4.32	4.12	3.62	2.61	1.62	0.79	0.22	42.3
-80	0.04	0.11	0.18	0.32	0.45	0.43	0.34	0.26	0.24	0.32	0.54	0.82	1.01	1.05	0.81	0.55	0.31	0.10	7.87
-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
Φ t	2.08	12.4	36.8	80.2	139	206	271	325	359	368	351	311	252	184	117	61.8	24.5	5.00	3106
Φ a	0.00	6.51	32.2	76.9	136	203	268	323	357	367	350	309	251	183	117	60.9	23.2	2.84	3066

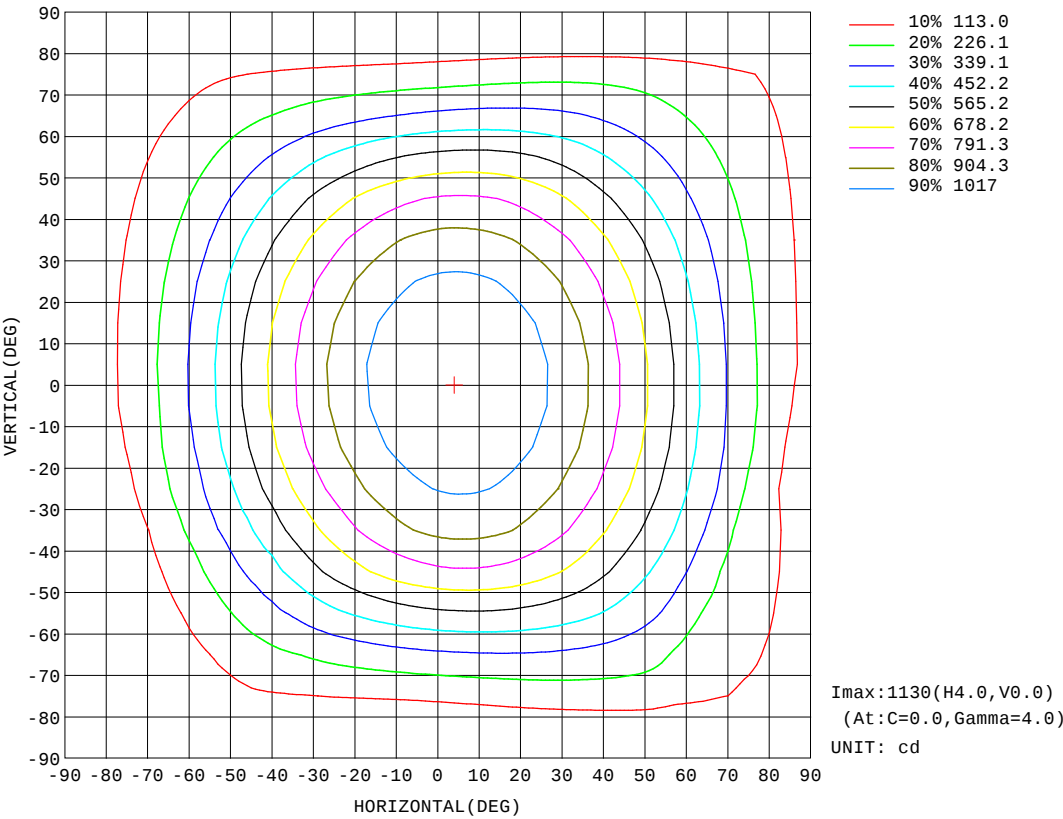
one-half-peak spread: U:54.7,D:56.7 , L:52.9,R:52.5 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-15

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.8V I:0.1296A P:27.49W PF:0.9606 Lamp Flux:3106.14x1 lm		
NAME: 8.02.003.0422 LLS-COVE1-W40-30W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700033
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

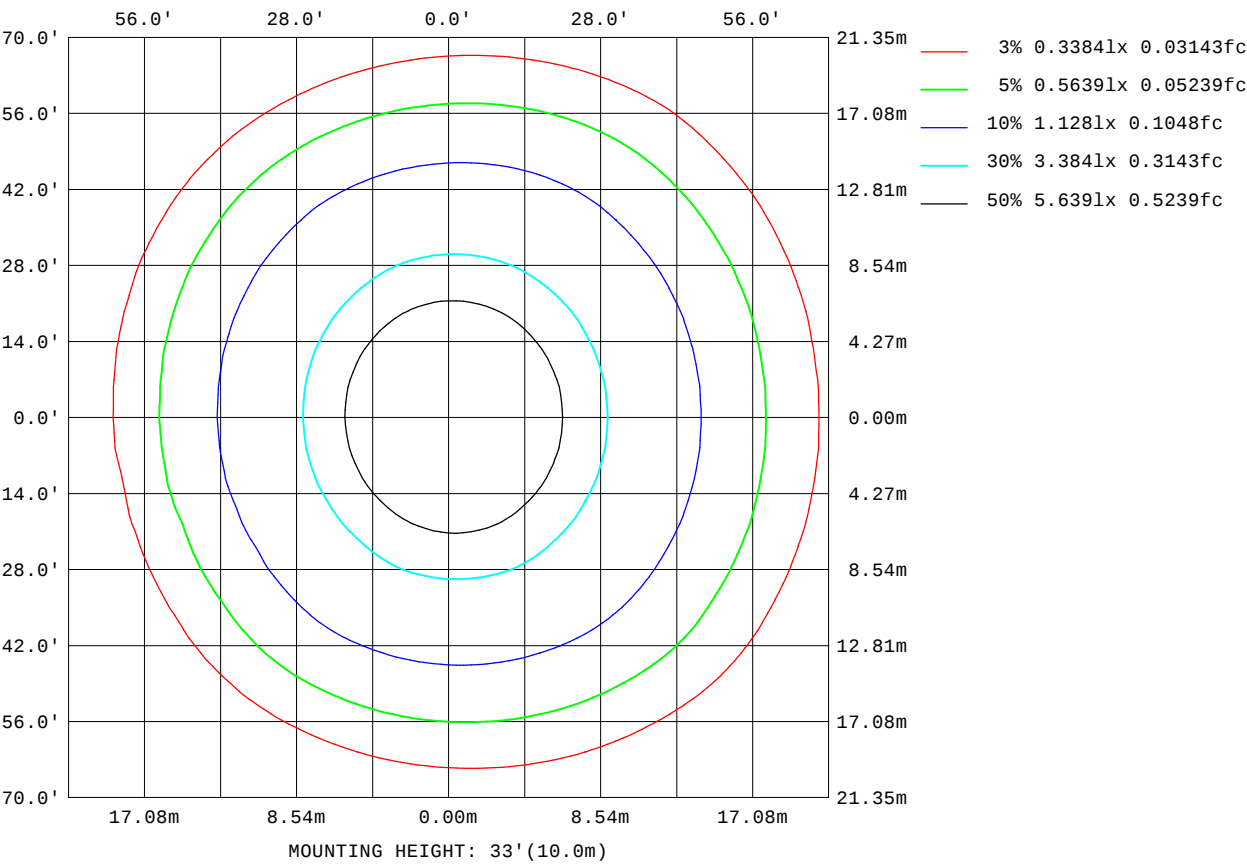


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Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
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Remarks:

ISOLUX DIAGRAM

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NAME: 8.02.003.0422 LLS-COVE1-W40-30W-277V-016-KVXTYPE:LED	WEIGHT:	
DIM.:	SPEC.:	SERIAL No.:20240700033
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

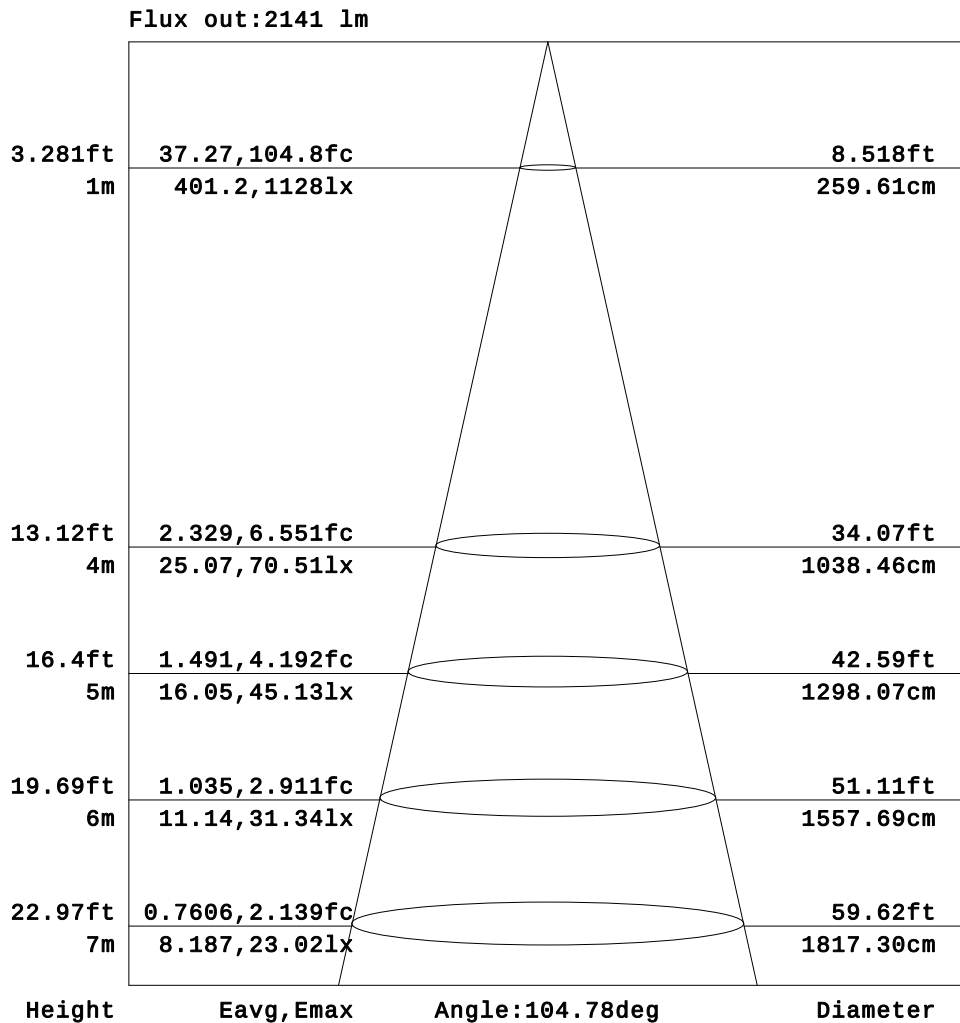


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-15

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.8V I:0.1296A P:27.49W PF:0.9606 Lamp Flux:3106.14x1 lm		
NAME: 8.02.003.0422 LLS-COVE1-W40-30W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700033
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

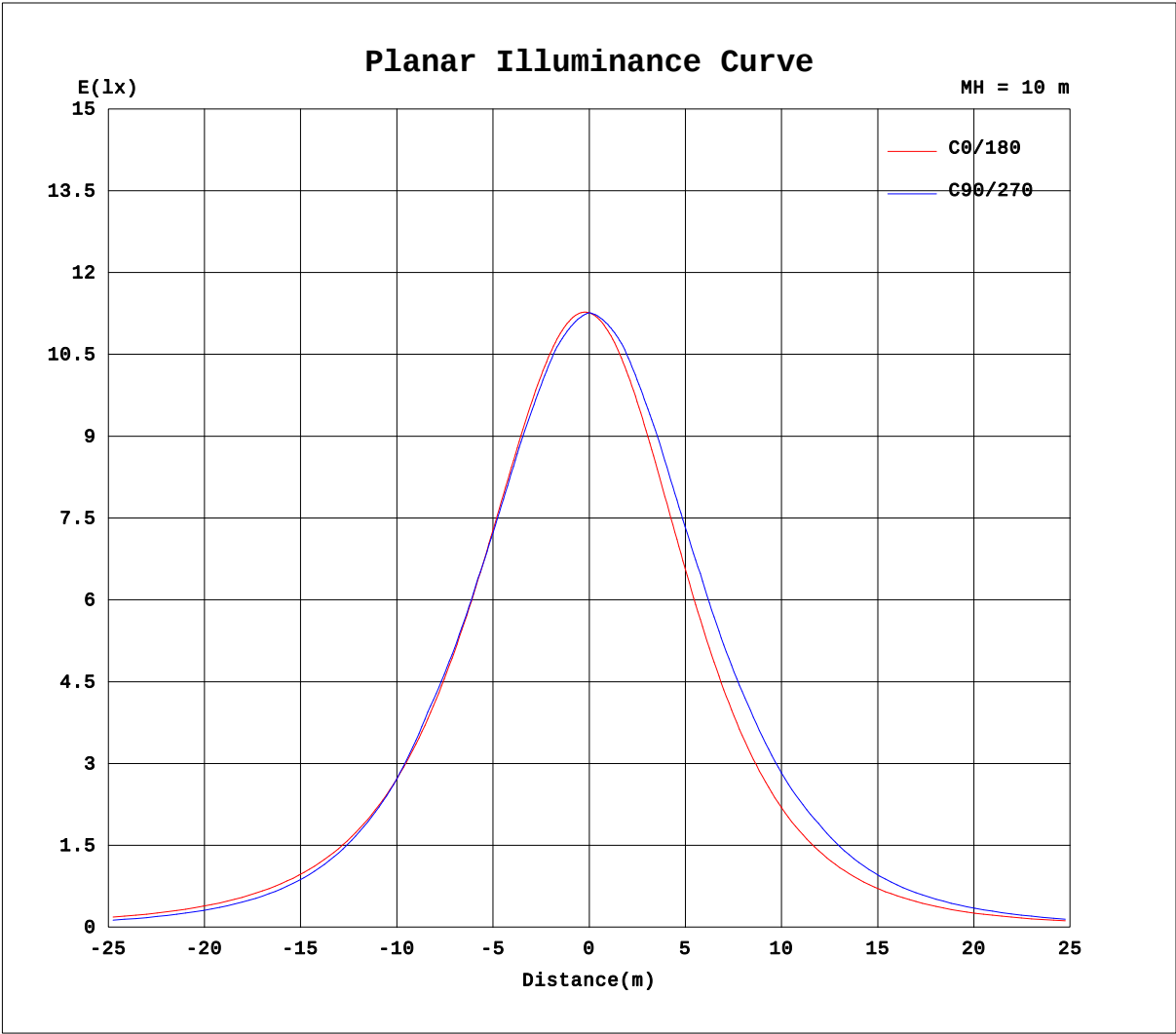


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-15

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



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Test Speed: HIGH
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Operators:QC1
Test Date:2024-07-15

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.1296A P:27.49W PF:0.9606 Lamp Flux:3106.14x1 lm		
NAME: 8.02.003.0422 LLS-COVE1-W40-30W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700033
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION 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	25.8	27.7	29.5	30.9	31.1	31.3	37.3	46.1	54.7	60.7	60.7	58.9	56.7	55.0	52.4	50.2	49.1	49.6	52.5
-75	24.7	28.9	32.3	35.4	37.4	40.7	51.3	65.1	81.0	96.8	104	108	112	116	118	121	124	127	131
-70	25.8	31.4	36.9	40.5	45.5	53.3	70.2	90.0	114	138	149	159	169	178	186	192	199	206	212
-65	24.3	31.4	38.1	44.7	51.6	63.7	85.8	113	145	178	201	221	240	259	274	288	300	311	320
-60	26.0	34.4	41.9	51.2	61.5	81.9	111	148	189	229	264	290	319	346	368	388	406	420	430
-55	23.6	32.8	42.7	52.2	66.6	91.9	128	173	223	268	311	351	394	432	463	491	514	533	545
-50	25.1	35.3	47.4	59.8	80.7	116	163	219	277	322	376	428	485	532	570	603	631	651	665
-45	21.5	32.2	43.6	58.0	85.2	127	180	245	304	360	413	478	539	595	645	688	725	752	770
-40	21.7	33.5	45.9	66.8	105	156	222	295	353	417	479	552	617	680	739	790	832	861	880
-35	17.2	28.0	42.1	69.1	110	174	242	311	375	446	513	589	657	722	783	835	878	909	930
-30	15.0	27.8	46.6	85.4	137	219	285	352	421	504	580	653	724	790	850	900	939	967	987
-25	10.6	23.0	46.5	90.4	150	220	287	364	439	520	601	678	751	819	879	931	971	1001	1021
-20	10.5	26.4	59.3	118	188	253	318	407	489	572	654	733	806	873	931	979	1017	1044	1062
-15	2.43	24.1	69.3	118	181	249	318	405	489	575	660	741	817	885	945	995	1035	1064	1083
-10	2.98	32.8	95.5	143	196	274	352	436	524	612	698	780	856	922	980	1028	1066	1093	1109
-5	0.00	36.8	87.5	136	191	262	341	426	514	603	691	774	852	921	981	1031	1070	1099	1116
0	18.7	50.6	93.6	149	209	281	364	451	540	630	718	801	877	945	1003	1051	1088	1114	1128
5	5.84	49.0	89.2	137	196	265	344	430	519	608	696	780	858	927	987	1037	1076	1104	1120
10	27.7	60.2	99.0	147	208	278	358	444	533	622	710	792	868	936	993	1041	1077	1103	1117
15	24.1	52.5	89.6	134	190	257	333	416	503	590	676	759	835	904	963	1012	1051	1078	1094
20	29.9	61.0	96.4	142	197	264	341	423	507	593	677	757	831	897	954	1001	1036	1061	1074
25	22.9	51.9	85.4	126	178	238	309	386	466	548	629	707	781	847	906	954	992	1019	1035
30	29.2	57.0	89.3	130	181	240	308	381	458	535	613	688	759	823	878	925	961	986	1000
35	22.9	48.8	79.1	114	159	211	272	339	411	483	556	627	695	758	813	861	898	925	941
40	28.4	53.0	81.7	115	157	206	263	326	393	460	527	594	658	716	769	813	848	872	886
45	22.8	46.0	71.5	100	135	178	228	282	340	400	460	520	579	634	683	725	759	784	800
50	28.1	47.9	71.8	98.1	130	169	213	261	311	363	417	471	524	573	616	652	682	704	719
55	22.7	42.1	62.9	84.5	111	142	179	219	260	304	347	389	432	470	506	536	562	582	596
60	27.6	43.2	62.1	80.6	103	129	160	193	226	261	293	323	356	383	409	432	451	467	478
65	22.6	37.5	52.6	68.7	85.7	106	129	155	180	204	227	249	271	290	308	325	339	352	361
70	27.6	37.5	48.7	63.1	76.1	91.2	109	128	143	157	170	182	194	205	215	224	233	241	248
75	23.0	33.6	41.4	52.2	61.0	72.9	84.6	96.7	107	114	121	127	133	138	142	146	150	155	161
80	27.6	33.0	37.2	44.3	51.2	59.2	65.0	70.2	73.4	74.7	75.1	74.8	73.7	72.3	70.8	69.9	70.1	72.2	76.5
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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MFR.: TPK OPTOELECTRONIC TECH CO., LTD						SUR.:						PROTECTION 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	57.7	65.0	74.0	84.0	93.9	103	111	118	123	123	112	107	98.9	89.6	85.2	80.7	76.0	70.8
-75	137	143	150	157	163	167	171	173	173	170	152	137	127	113	99.8	90.5	80.0	71.9
-70	218	224	228	232	234	233	231	228	222	212	184	164	148	130	111	96.1	81.0	70.1
-65	326	330	332	332	328	321	312	301	286	268	234	196	173	151	127	106	87.7	72.3
-60	436	438	436	430	420	406	389	368	345	315	267	217	189	161	135	107	88.0	68.6
-55	553	554	550	540	525	504	479	448	411	371	325	263	214	181	150	120	93.7	72.2
-50	671	669	660	644	622	593	558	514	462	411	360	285	227	187	154	120	91.4	65.8
-45	778	776	765	745	715	677	633	581	524	466	409	341	265	207	167	131	95.6	70.6
-40	886	881	864	835	794	744	688	626	563	499	434	370	278	210	167	128	90.0	64.5
-35	939	935	920	893	855	807	751	688	621	552	481	411	330	246	178	134	96.6	66.8
-30	992	986	968	938	898	848	789	723	651	577	500	424	350	253	169	126	89.4	58.8
-25	1029	1024	1008	980	942	894	836	770	697	619	540	459	380	295	211	138	91.8	58.2
-20	1066	1058	1039	1009	968	918	858	789	712	631	547	462	379	302	218	128	79.5	45.6
-15	1089	1083	1066	1039	1000	951	893	824	748	666	580	493	407	324	246	165	97.1	40.2
-10	1112	1103	1084	1054	1013	963	902	831	752	667	579	489	400	314	240	176	91.5	13.9
-5	1121	1115	1097	1069	1030	981	921	852	773	689	601	510	420	333	256	189	119	53.2
0	1130	1121	1101	1070	1028	976	914	843	762	676	587	495	404	319	243	177	121	54.3
5	1125	1118	1100	1071	1032	982	922	852	774	689	601	510	419	332	255	188	131	80.8
10	1119	1110	1090	1059	1017	966	904	832	753	668	579	489	399	313	238	174	121	71.5
15	1098	1091	1073	1044	1004	955	895	826	749	667	581	493	406	322	248	184	129	83.7
20	1076	1067	1046	1015	973	922	860	790	713	632	548	462	378	300	230	169	118	73.8
25	1039	1032	1014	986	947	898	840	773	700	622	542	460	380	303	236	176	125	83.5
30	1001	991	972	942	903	853	794	727	655	580	503	425	350	278	216	161	116	72.8
35	945	937	921	894	857	811	755	693	626	556	485	413	343	276	218	165	121	83.2
40	887	878	861	833	794	747	693	633	570	504	438	372	309	251	198	150	111	74.8
45	806	802	789	765	731	689	640	586	530	472	413	353	296	244	195	152	115	82.6
50	724	721	709	685	652	611	566	517	467	416	364	310	262	216	174	138	106	74.3
55	604	605	598	584	563	535	500	460	418	376	333	289	247	207	169	136	108	81.7
60	484	486	484	476	463	445	419	386	352	319	284	249	215	182	150	123	99.1	74.8
65	368	373	374	372	367	357	343	323	301	277	250	224	197	169	143	120	100	80.8
70	255	261	265	267	267	264	259	251	240	224	206	187	167	146	126	109	93.5	75.0
75	168	174	181	187	192	195	196	195	191	184	174	162	147	132	117	104	92.1	79.5
80	82.7	90.6	99.5	109	118	126	132	137	140	141	137	130	121	112	103	94.1	86.3	74.8
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
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:2024-07-15

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
 Humidity:83%
 Test Distance:8.300m [K=1.0000]
 Remarks: