

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	352.3 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	154.6V x 166.2H
	At 50% of Imax	112.2V x 107.7H
	At 90% of Imax	57.9V x 46.6H

Beam Flux	Total	997.7 lumens per klm.
	To 10% of Imax	984.5 lumens per klm.
	To 50% of Imax	734.4 lumens per klm.
	To 90% of Imax	208.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

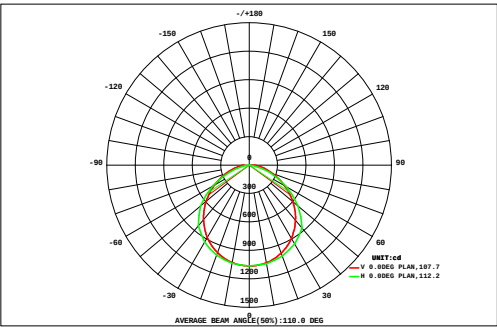
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-28

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:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:0.2193A P:29.59W PF:1.000 Freq:50.00Hz Lamp Flux:3018.57x1 lm		
NAME: 8.02.003.0447 LLS-COVE1-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120104
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:102.02lm/W	
MODELS-COVE1-W40-L12-DIM		Imax(cd)	1063
NOMINAL POWER(W)	29	AVAILABILITY(%)	98.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	2985
NOMINAL FLUX(lm)	3018.57	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3019
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	0.19	0.77	1.58	2.60	3.45	4.04	4.32	4.32	4.26	4.31	4.45	4.48	4.20	3.59	2.69	1.64	0.80	0.22	51.9	46.4
70	0.19	0.81	1.89	3.45	5.20	6.94	8.36	9.36	9.91	9.98	9.51	8.53	7.12	5.37	3.54	1.96	0.85	0.20	93.2	92.0
60	0.21	0.98	2.48	4.72	7.56	10.7	13.5	15.6	16.7	16.8	15.7	13.6	10.9	7.72	4.80	2.54	1.03	0.22	146	145
50	0.23	1.15	3.04	5.98	9.77	14.0	18.1	21.2	22.8	22.9	21.3	18.2	14.1	9.87	6.04	3.10	1.21	0.24	193	193
40	0.24	1.31	3.54	7.10	11.7	16.7	21.3	24.9	26.9	26.9	24.9	21.3	16.7	11.7	7.19	3.63	1.37	0.26	228	227
30	0.26	1.45	3.98	7.99	13.1	18.6	23.6	27.4	29.5	29.5	27.5	23.6	18.6	13.1	8.08	4.05	1.49	0.27	252	252
20	0.27	1.54	4.27	8.63	14.1	19.9	25.1	29.0	31.2	31.1	29.0	25.0	19.8	14.1	8.65	4.33	1.58	0.28	268	268
10	0.28	1.59	4.43	8.94	14.6	20.5	25.8	29.8	31.9	31.9	29.8	25.7	20.4	14.6	8.97	4.47	1.61	0.28	276	275
0	0.25	1.60	4.49	9.03	14.7	20.6	26.0	29.9	32.0	32.0	29.8	25.8	20.4	14.5	8.89	4.42	1.59	0.27	276	276
-10	0.19	1.50	4.35	8.77	14.3	20.1	25.3	29.3	31.4	31.3	29.2	25.1	19.7	13.9	8.52	4.23	1.50	0.22	269	269
-20	0.14	1.22	3.94	8.11	13.3	18.9	23.9	27.8	29.9	29.9	27.7	23.7	18.4	12.9	7.86	3.90	1.30	0.17	253	252
-30	0.15	0.90	3.29	7.09	11.8	16.9	21.8	25.5	27.6	27.5	25.4	21.5	16.5	11.5	6.96	3.36	1.05	0.19	229	228
-40	0.17	0.78	2.47	5.86	9.86	14.3	18.6	21.8	23.5	23.5	21.6	18.2	13.9	9.60	5.78	2.65	0.95	0.19	194	193
-50	0.17	0.71	1.91	4.41	7.70	11.0	14.0	16.0	17.0	16.9	15.7	13.5	10.6	7.43	4.44	2.06	0.85	0.17	144	143
-60	0.16	0.64	1.42	3.07	5.41	7.24	8.70	9.69	10.1	10.0	9.38	8.24	6.77	5.09	3.12	1.60	0.69	0.16	91.6	89.2
-70	0.14	0.52	1.00	1.92	3.16	3.83	4.22	4.30	4.23	4.14	4.05	3.87	3.48	2.89	1.94	1.13	0.52	0.14	45.5	36.3
-80	0.07	0.22	0.34	0.57	0.87	0.89	0.75	0.54	0.38	0.35	0.45	0.63	0.75	0.77	0.60	0.38	0.20	0.06	8.82	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
Φ t	3.31	17.7	48.4	98.2	161	225	283	326	349	349	325	281	222	159	98.1	49.5	18.6	3.56	3019	---
Φ a	0.73	13.6	46.1	96.9	160	224	282	325	347	347	324	280	221	158	96.7	47.7	15.5	0.96	---	2985

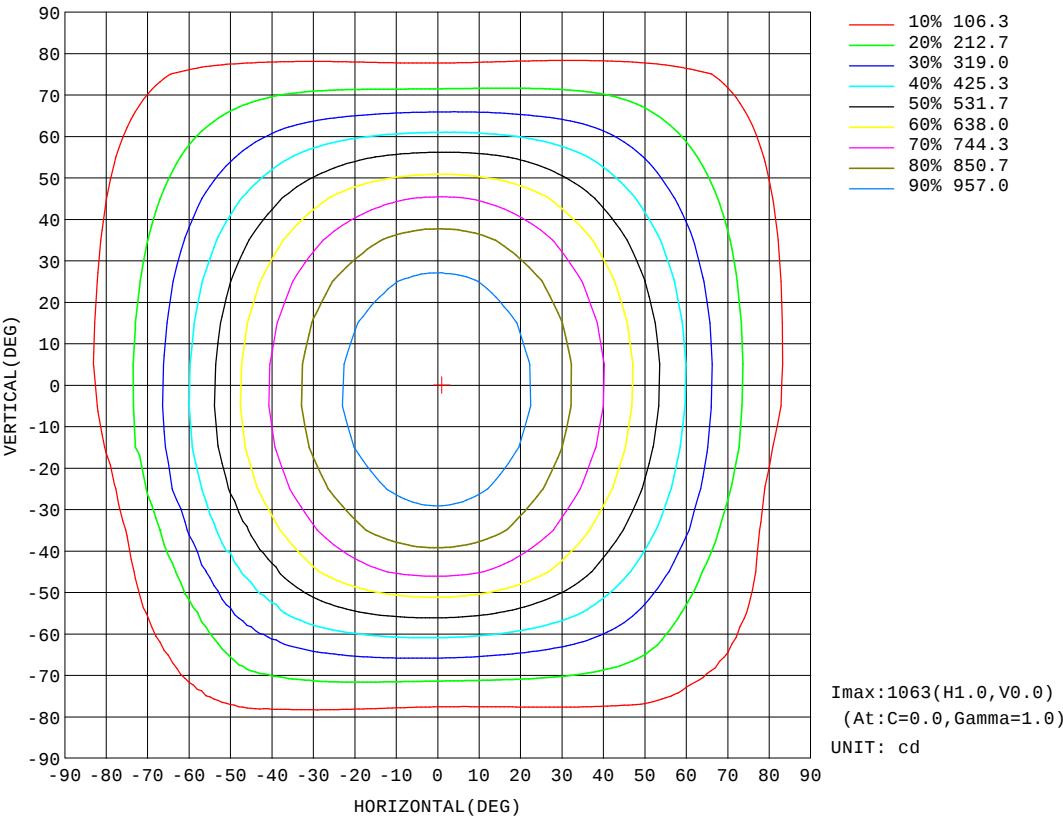
one-half-peak spread: U:56.3,D:56.3 , L:55.3,R:53.0 NEMA Beam Type: Type 7

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:221.0V I:0.2193A P:29.59W PF:1.000 Freq:50.00Hz Lamp Flux:3018.57x1 lm		
NAME: 8.02.003.0447 LLS-COVE1-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120104
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

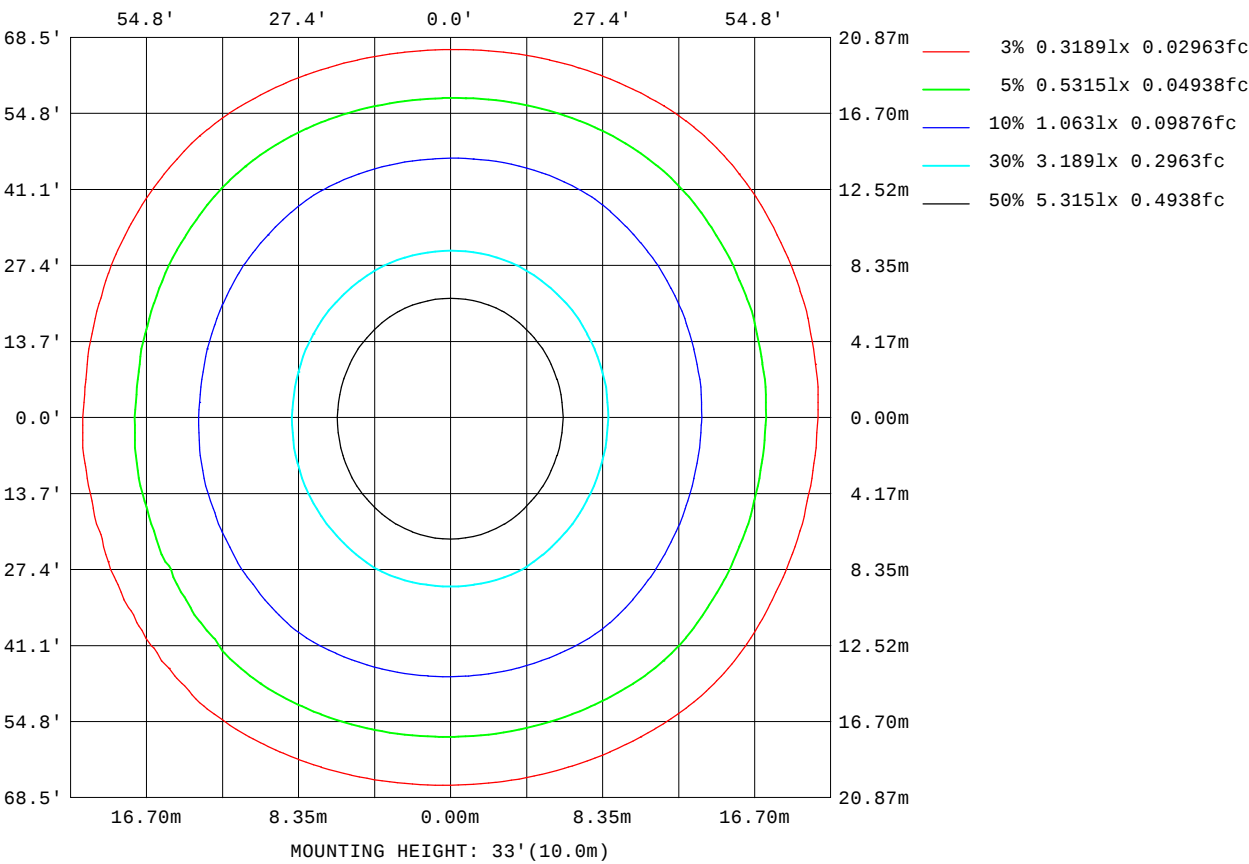


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-28

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

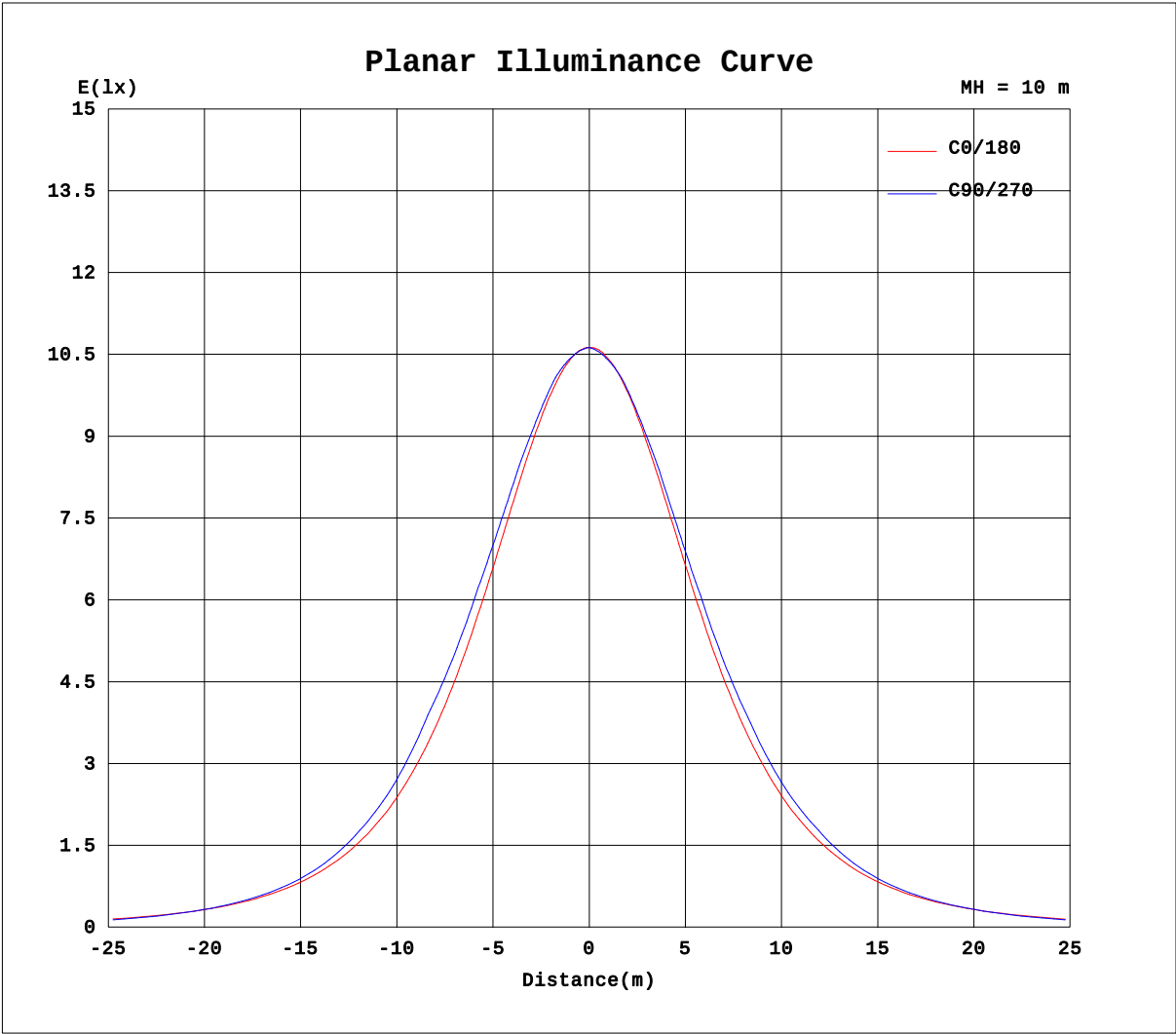
Test:U:221.0V I:0.2193A P:29.59W PF:1.000 Freq:50.00Hz Lamp Flux:3018.57x1 lm		
NAME: 8.02.003.0447 LLS-COVE1-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120104
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



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

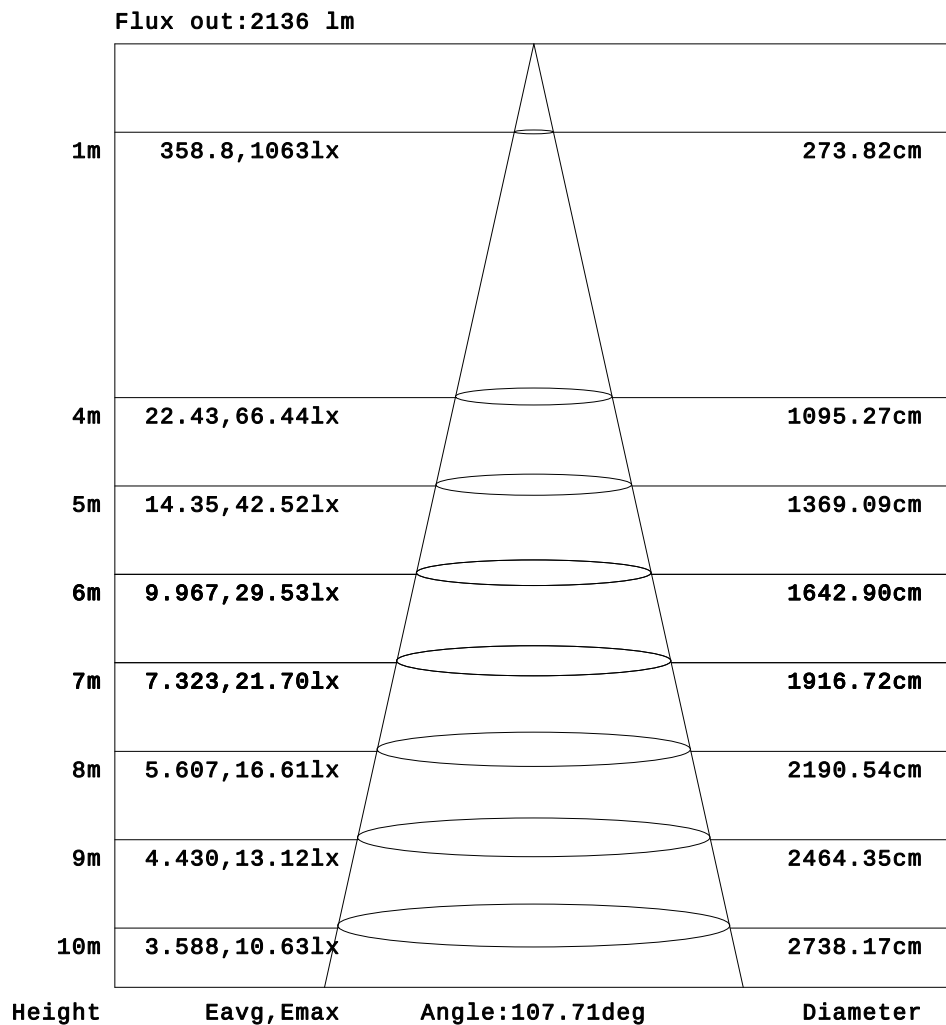


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-28

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:221.0V I:0.2193A P:29.59W PF:1.000 Freq:50.00Hz Lamp Flux:3018.57x1 lm		
NAME: 8.02.003.0447 LLS-COVE1-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120104
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:221.0V I:0.2193A P:29.59W PF:1.000 Freq:50.00Hz Lamp Flux:3018.57x1 lm		
NAME: 8.02.003.0447 LLS-COVE1-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120104
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--1																	UNIT: cd		
H(DEC) V(DEC)	-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	46.0	52.7	52.8	58.6	61.6	60.1	67.0	78.8	95.9	105	105	101	95.1	89.6	82.3	75.3	68.7	64.0	61.5
-75	45.6	53.0	59.1	65.0	71.1	74.8	90.7	109	134	152	156	158	159	159	156	153	149	146	144
-70	45.1	53.4	65.4	71.4	80.7	89.5	114	139	172	199	207	215	224	228	229	230	229	228	227
-65	44.5	54.0	68.3	78.0	89.6	107	139	175	218	252	274	291	306	317	325	331	335	336	335
-60	43.9	54.7	71.2	84.6	98.5	124	163	212	263	304	340	366	389	407	421	433	441	444	444
-55	43.2	57.6	74.9	87.7	108	145	192	249	309	352	397	440	475	502	523	539	550	556	557
-50	42.4	60.6	78.7	90.7	117	166	220	285	355	400	454	513	561	596	624	645	660	669	671
-45	39.1	56.6	76.4	94.3	130	188	258	331	389	452	512	572	625	668	705	733	752	765	768
-40	35.8	52.6	74.2	97.8	143	210	295	377	424	503	569	631	688	740	786	820	844	861	866
-35	32.5	49.8	73.8	108	166	251	327	405	468	544	612	676	734	787	831	865	890	907	912
-30	29.2	46.9	73.4	119	188	292	359	433	513	586	655	721	780	833	876	910	937	953	958
-25	26.0	45.9	79.3	143	220	304	379	458	540	615	687	753	813	865	908	942	969	984	989
-20	22.8	44.9	85.2	168	252	315	398	484	567	645	718	786	846	897	939	974	1001	1015	1020
-15	15.9	50.5	111	180	259	328	411	497	581	660	735	802	863	915	958	993	1019	1033	1037
-10	9.06	56.1	137	193	266	341	424	509	595	675	751	818	880	933	977	1012	1036	1051	1055
-5	9.29	72.8	137	194	265	342	425	511	598	679	755	824	886	939	983	1017	1041	1055	1059
0	9.53	89.4	137	195	263	343	427	513	601	683	760	829	891	944	989	1022	1045	1059	1063
5	24.4	89.3	136	193	261	338	421	507	593	675	751	821	883	935	980	1014	1038	1052	1056
10	39.3	89.3	134	191	259	333	415	501	586	668	743	812	874	926	971	1006	1030	1046	1049
15	41.8	88.0	132	187	252	324	405	488	571	652	726	794	856	907	952	986	1011	1025	1030
20	44.3	86.7	130	183	245	315	396	476	557	636	709	777	837	888	932	966	991	1005	1010
25	44.8	84.8	125	176	235	302	377	453	531	606	678	744	803	854	897	931	956	970	975
30	45.2	82.9	121	169	226	289	358	431	505	577	647	710	768	819	861	896	920	935	939
35	45.8	81.0	116	160	212	271	334	402	471	539	603	665	721	769	810	843	867	882	887
40	46.5	79.1	111	151	198	252	311	374	437	501	560	619	673	720	759	789	814	828	834
45	46.8	76.7	106	141	184	232	285	340	395	452	506	558	608	650	686	714	734	747	752
50	47.1	74.3	100	131	170	212	258	305	354	403	451	498	542	581	613	638	655	666	671
55	47.0	71.7	94.2	121	153	190	230	269	309	350	391	427	460	489	513	532	545	554	557
60	46.9	69.1	88.2	111	137	167	201	232	264	297	330	357	379	398	413	426	435	441	444
65	46.8	64.8	82.1	100	121	145	172	198	221	244	265	283	297	309	318	325	330	334	336
70	46.7	60.4	75.9	89.8	106	124	144	163	178	190	200	209	215	220	222	224	225	226	227
75	46.9	58.3	69.5	80.4	92.0	105	119	132	140	146	150	152	153	152	150	148	146	145	145
80	47.1	56.1	63.1	71.1	78.2	86.2	94.3	101	102	102	99.8	96.1	91.1	85.0	78.4	71.9	66.6	63.3	62.5
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

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

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SPEC.:	DIM.:	SERIAL No.:2024120104
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	61.4	63.8	68.0	73.3	79.0	84.2	88.6	91.9	93.8	91.9	82.4	73.0	69.5	59.9	54.6	50.9	47.5	43.8
-75	143	143	144	145	146	146	144	141	137	130	111	96.3	87.6	76.4	64.7	57.6	49.2	43.5
-70	225	223	220	216	212	207	200	191	181	169	140	120	106	92.8	74.8	64.2	50.9	43.1
-65	333	328	321	312	301	288	273	256	236	213	177	144	122	105	85.1	68.2	54.2	42.9
-60	441	433	422	407	389	368	345	320	291	257	214	168	139	117	95.4	72.2	57.5	42.8
-55	553	544	529	509	484	456	422	384	343	301	253	199	157	129	104	78.6	59.9	43.2
-50	666	655	636	611	580	543	498	447	395	345	293	230	175	141	113	85.0	62.2	43.6
-45	763	749	725	693	654	608	556	500	442	386	328	267	200	151	118	88.5	61.9	42.8
-40	860	843	815	776	728	673	614	552	489	426	363	303	225	160	123	92.0	61.7	42.1
-35	906	889	862	823	775	720	659	595	529	461	393	328	254	182	127	92.4	62.4	39.8
-30	952	936	908	871	823	767	705	638	568	496	424	352	282	204	131	92.9	63.1	37.5
-25	984	967	940	902	855	799	737	668	596	521	446	371	297	223	154	96.0	58.6	33.1
-20	1015	998	972	934	888	831	769	699	624	546	468	389	312	242	176	99.1	54.2	28.6
-15	1032	1016	990	954	908	851	788	718	643	564	483	401	322	249	183	116	62.9	19.6
-10	1049	1034	1009	973	927	871	808	738	662	581	498	414	332	255	189	134	71.7	10.5
-5	1054	1038	1013	978	933	877	814	744	668	587	504	420	337	260	193	135	81.1	30.5
0	1058	1042	1017	983	938	884	821	751	674	594	510	425	342	264	196	136	90.5	50.6
5	1051	1036	1011	976	931	878	816	747	671	591	508	424	340	263	196	137	91.5	53.1
10	1044	1030	1004	969	925	871	810	743	668	588	505	422	339	262	195	139	92.5	55.7
15	1025	1010	985	950	905	852	791	724	650	572	491	410	330	256	192	136	91.2	56.1
20	1006	990	965	931	886	832	772	705	631	556	477	398	321	250	188	133	89.9	56.6
25	971	956	931	896	853	801	742	676	606	533	457	382	308	241	182	131	89.4	56.8
30	936	922	897	862	820	770	712	647	580	509	438	366	294	231	176	128	88.8	57.0
35	883	869	844	811	771	722	666	605	541	475	408	342	277	219	166	123	86.6	57.0
40	830	815	791	760	721	674	620	562	502	441	378	318	260	206	157	117	84.4	57.1
45	749	737	718	690	655	611	562	510	456	400	343	289	238	190	148	112	82.0	57.0
50	669	659	644	620	588	549	504	457	410	360	307	261	216	175	138	106	79.7	56.9
55	556	550	538	520	496	467	434	398	358	316	273	233	195	158	127	99.5	76.5	56.7
60	444	440	431	419	404	386	364	338	306	272	238	206	174	142	116	92.7	73.4	56.5
65	336	334	330	323	315	304	290	273	252	228	203	177	152	127	105	86.7	70.8	56.4
70	229	229	229	228	226	222	216	208	198	184	167	149	130	111	94.9	80.7	68.3	56.2
75	146	149	152	155	157	159	158	156	152	146	136	124	109	96.2	84.5	74.2	65.0	55.7
80	64.4	68.8	74.9	82.0	89.1	95.4	101	104	106	107	105	97.8	89.3	81.3	74.1	67.7	61.8	55.1
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: