

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	368.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
---	---

Beam Spread	At 10% of Imax	160.8V x 156.9H
	At 50% of Imax	115.9V x 103.3H
	At 90% of Imax	55.0V x 44.9H

Beam Flux	Total	997.3 lumens per klm.
	To 10% of Imax	983.3 lumens per klm.
	To 50% of Imax	737.6 lumens per klm.
	To 90% of Imax	195.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.7 %

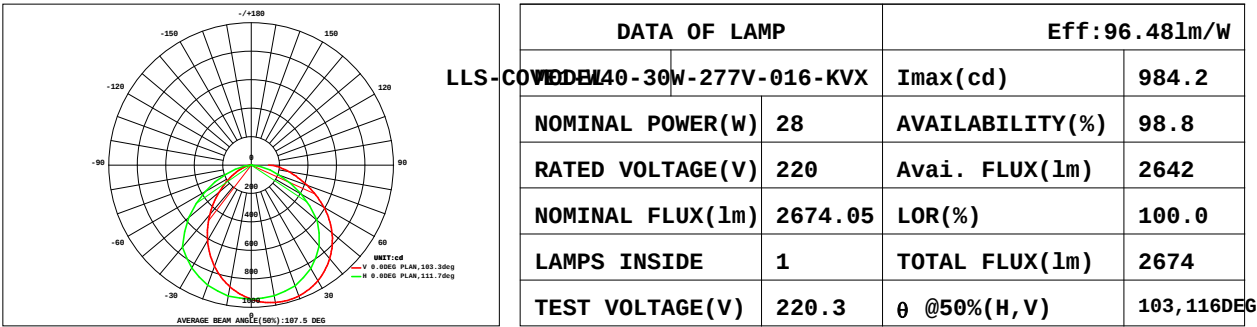
Luminaire Efficiency(Light Output Ratio)	100.0 %
--	---------

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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:220.3V I:0.1309A P:27.72W PF:0.9611 Lamp Flux:2674.05x1 lm		
NAME: 8.02.003.0326 LLS-COVE1-W40-30W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700026
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	0.00	0.02	0.12	0.33	0.63	1.04	1.61	2.40	3.49	4.81	6.12	7.02	7.24	6.67	5.32	3.61	1.94	0.57	52.9	47.4	
70	0.00	0.07	0.32	0.88	1.79	3.07	4.67	6.49	8.37	9.89	10.9	11.0	10.1	8.26	5.96	3.74	1.86	0.50	87.8	84.8	
60	0.01	0.13	0.57	1.54	3.22	5.58	8.49	11.5	14.2	16.0	16.7	16.0	13.8	10.7	7.44	4.47	2.11	0.53	133	131	
50	0.01	0.19	0.83	2.22	4.60	8.04	12.2	16.3	19.6	21.5	21.7	20.0	16.9	13.0	8.84	5.15	2.33	0.56	174	173	
40	0.02	0.25	1.08	2.88	5.87	10.1	15.0	19.6	23.1	24.9	24.7	22.8	19.3	14.8	10.0	5.74	2.54	0.59	203	202	
30	0.02	0.30	1.28	3.41	6.93	11.7	17.0	21.9	25.5	27.2	26.9	24.7	20.9	16.1	10.9	6.21	2.69	0.60	224	223	
VERTICAL (DEG)	0.02	0.34	1.44	3.79	7.66	12.8	18.4	23.3	26.9	28.6	28.2	25.8	21.9	16.8	11.5	6.50	2.79	0.61	237	237	
	0.02	0.36	1.51	3.98	8.01	13.3	18.9	23.9	27.4	29.1	28.8	26.4	22.4	17.3	11.8	6.64	2.81	0.61	243	243	
	0.02	0.37	1.53	3.98	8.01	13.3	18.9	23.9	27.4	29.2	28.8	26.3	22.2	17.1	11.6	6.50	2.75	0.57	242	242	
	0.02	0.35	1.45	3.79	7.61	12.7	18.2	23.1	26.8	28.5	27.8	25.3	21.4	16.4	11.2	6.41	2.74	0.49	234	233	
	0.00	0.25	1.24	3.32	6.79	11.5	16.8	21.6	25.2	26.8	25.8	24.2	20.6	15.8	10.7	6.12	2.44	0.43	219	219	
-30	0.00	0.14	0.94	2.70	5.56	9.64	14.4	19.2	22.9	24.3	24.1	22.6	19.1	14.7	9.91	5.49	2.08	0.48	198	197	
-40	0.00	0.09	0.59	1.99	4.18	7.47	11.5	15.7	19.2	20.5	21.0	19.8	17.0	12.9	8.76	4.60	2.00	0.48	168	167	
-50	0.00	0.05	0.34	1.23	2.87	5.13	8.00	10.8	13.4	14.5	15.6	15.2	13.7	10.7	7.33	3.91	1.90	0.48	125	124	
-60	0.00	0.02	0.15	0.63	1.60	2.83	4.26	5.90	7.65	8.62	9.80	10.0	9.39	8.02	5.63	3.38	1.70	0.45	80.1	77.2	
-70	0.00	0.00	0.02	0.17	0.53	0.90	1.39	2.03	2.89	3.67	4.75	5.51	5.72	5.31	4.08	2.71	1.41	0.41	41.5	35.1	
-80	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.05	0.15	0.37	0.87	1.36	1.71	1.81	1.49	1.03	0.60	0.20	9.70	7.67	
-90	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)					20	30	40	50	60	70	80	90
Φ t	0.15	2.92	13.4	36.8	75.9	129	190	248	294	319	322	304	263	206	142	82.2	36.7	8.58	2674	---	
Φ a	0.00	0.00	6.81	32.2	72.1	126	187	245	292	317	321	303	263	206	142	82.2	36.7	8.57	---	2642	

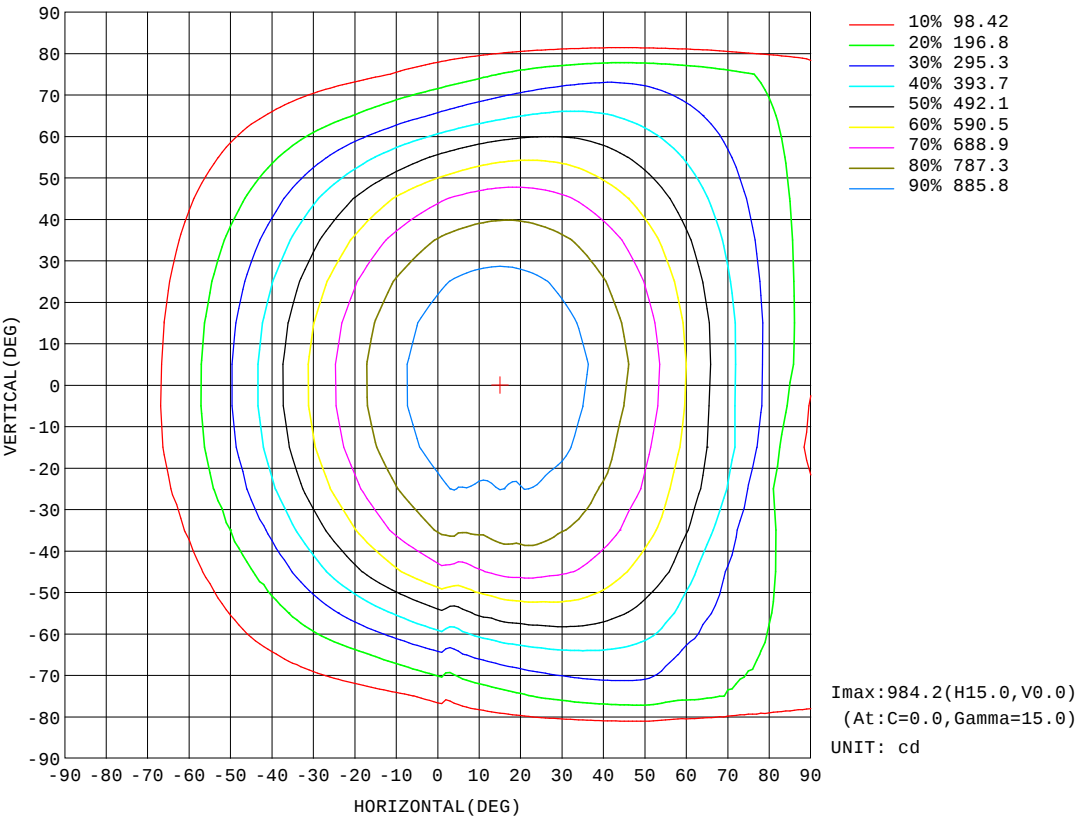
one-half-peak spread: U:57.1,D:59.2 , L:53.0,R:50.9 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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:220.3V I:0.1309A P:27.72W PF:0.9611 Lamp Flux:2674.05x1 lm		
NAME: 8.02.003.0326 LLS-COVE1-W40-30W-277V-016	KVXTYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700026
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

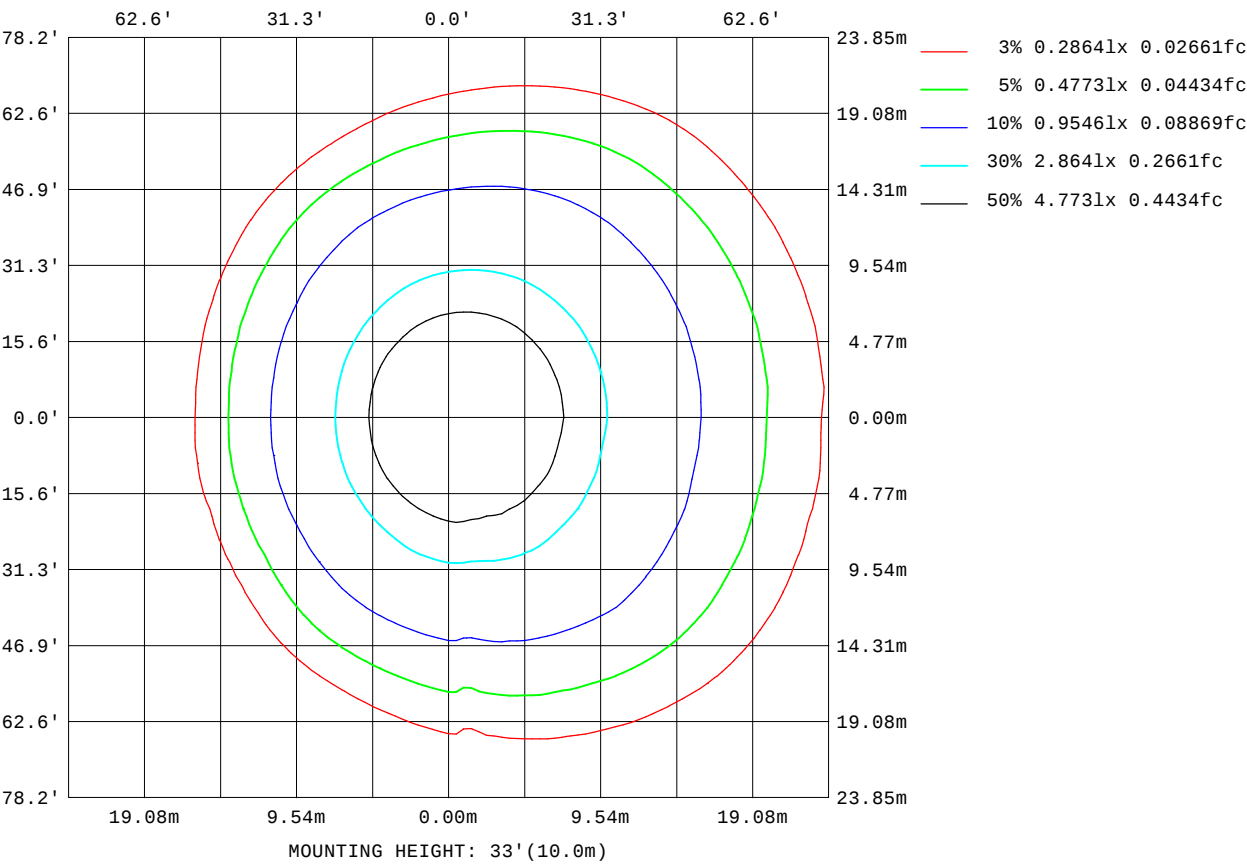


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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:

ISOLUX DIAGRAM

Test:U:220.3V I:0.1309A P:27.72W PF:0.9611 Lamp Flux:2674.05x1 lm		
NAME: 8.02.003.0326 LLS-COVE1-W40-30W-277V-016-KVXTYPE:LED	WEIGHT:	
DIM.:	SPEC.:	SERIAL No.:20240700026
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

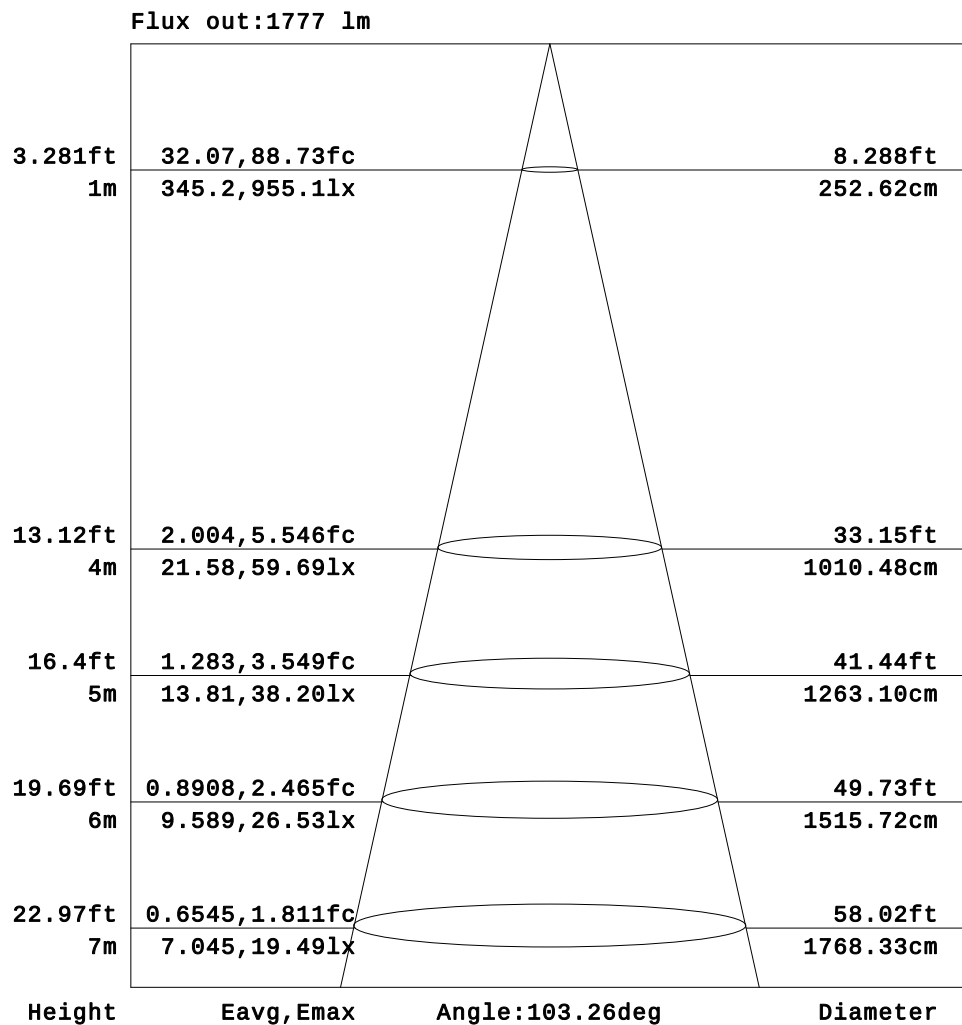


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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:220.3V I:0.1309A P:27.72W PF:0.9611 Lamp Flux:2674.05x1 lm		
NAME: 8.02.003.0326 LLS-COVE1-W40-30W-277V-016	KVXTYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700026
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

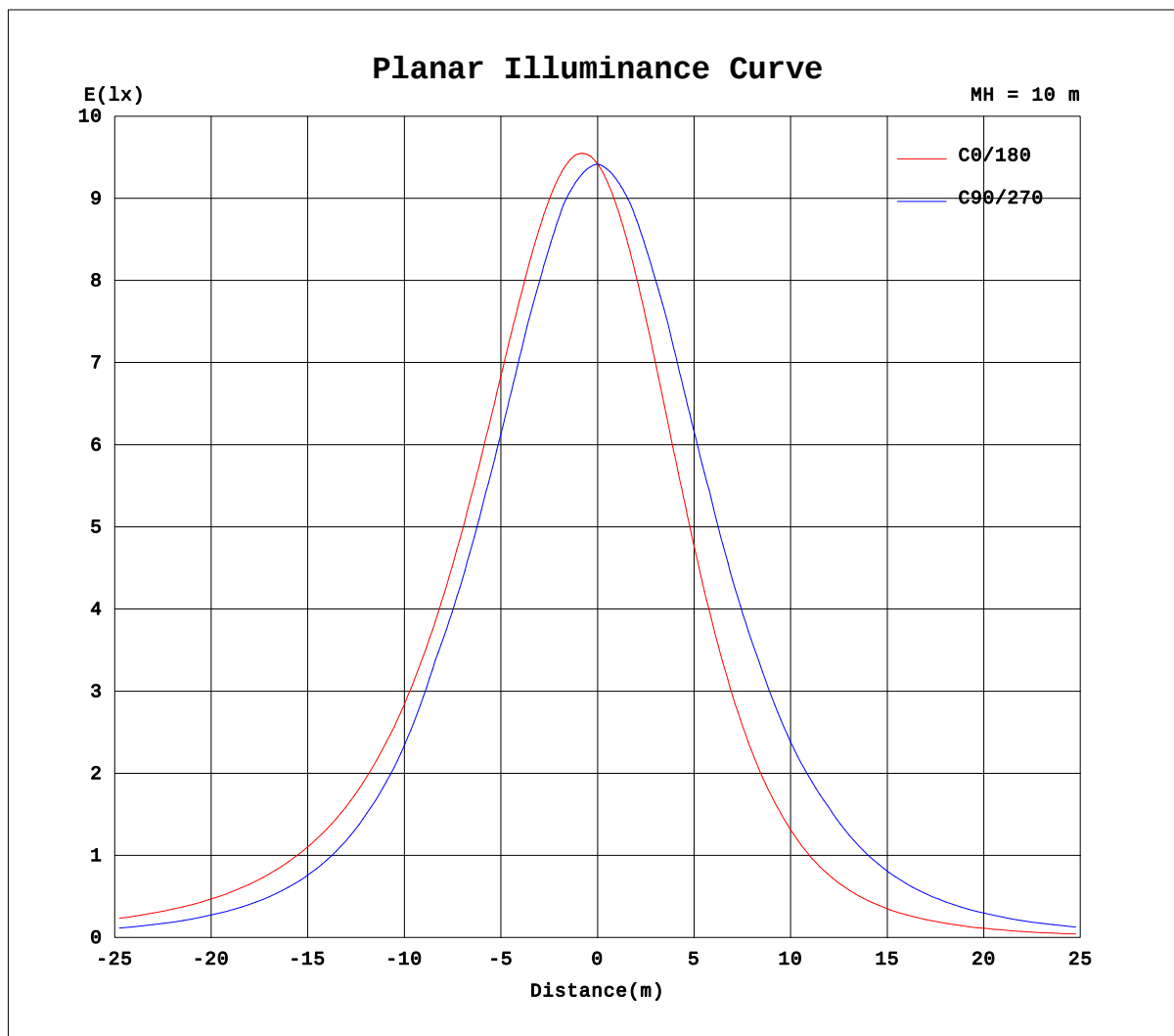


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-07-13

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



H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 28.0DEG
Operators: QC1
Test Date: 2024-07-13

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:220.3V I:0.1309A P:27.72W PF:0.9611 Lamp Flux:2674.05x1 lm		
NAME: 8.02.003.0326 LLS-COVE1-W40-30W-277V-016-KVX	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700026
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	4.29	7.72	8.71	9.62	10.7	12.6	15.2	19.6	26.1	35.3	48.2
-75	0.00	0.00	0.00	0.00	0.95	2.30	5.53	10.7	18.0	27.4	33.3	39.6	46.7	54.6	63.4	73.9	86.2	101	118
-70	0.00	0.00	0.00	0.00	1.91	4.60	11.1	20.3	31.7	47.1	57.9	69.5	82.8	96.6	112	128	146	166	188
-65	0.00	0.00	0.17	1.82	5.06	10.9	21.2	35.7	53.9	74.6	93.5	114	135	157	179	203	228	255	281
-60	0.00	0.00	0.35	3.64	8.22	17.3	31.3	51.0	76.0	102	129	158	187	217	247	278	310	343	374
-55	0.00	0.00	1.26	5.47	12.2	25.5	43.7	68.8	101	132	167	205	245	287	327	365	403	440	473
-50	0.00	0.00	2.17	7.29	16.2	33.7	56.0	86.6	125	162	205	251	304	358	406	452	495	537	573
-45	0.00	0.00	1.99	8.93	22.0	43.9	72.3	110	149	193	240	298	355	416	473	527	579	623	663
-40	0.00	0.00	1.81	10.6	27.8	54.2	88.6	134	173	223	275	344	407	474	539	603	662	709	752
-35	0.00	0.00	2.81	14.6	36.1	69.3	106	153	197	255	314	384	452	521	587	650	706	753	794
-30	0.00	0.00	3.81	18.6	44.4	84.4	124	172	220	286	353	423	496	568	636	698	751	796	836
-25	0.00	0.00	6.08	25.1	56.3	93.5	132	187	242	310	382	456	531	603	671	732	784	829	867
-20	0.00	0.00	8.35	31.5	68.1	103	141	202	264	334	411	488	565	639	705	765	817	862	898
-15	0.00	0.00	15.6	38.4	69.2	108	152	212	276	348	426	505	583	657	724	784	837	881	916
-10	0.00	0.00	22.9	45.3	70.2	114	163	222	288	362	442	522	601	676	743	803	856	900	935
-5	0.00	0.00	19.9	44.1	72.2	115	164	223	290	367	448	529	608	683	750	810	862	905	938
0	0.00	0.01	16.8	42.8	74.2	115	165	225	293	373	454	536	615	690	757	816	867	909	942
5	0.00	2.18	17.8	41.7	72.7	113	163	223	290	368	448	530	610	684	752	811	862	904	937
10	0.00	4.35	18.8	40.6	71.1	111	161	220	288	363	443	525	605	679	747	806	858	899	932
15	0.00	4.17	18.2	39.2	68.7	107	155	212	277	351	430	510	589	663	731	791	842	884	917
20	0.00	4.00	17.5	37.8	66.2	103	149	204	267	339	416	495	573	646	715	775	827	869	902
25	0.00	3.37	16.1	35.0	61.4	96.0	139	191	250	318	391	466	542	614	682	742	794	837	871
30	0.00	2.74	14.6	32.1	56.5	88.8	129	179	234	297	366	438	511	583	649	709	762	805	840
35	0.00	1.95	13.1	29.0	51.1	80.4	117	162	212	269	333	401	471	539	603	662	714	757	792
40	0.00	1.15	11.5	25.8	45.7	72.1	105	144	190	242	300	365	430	495	557	615	666	710	744
45	0.00	0.58	9.69	22.1	39.2	62.0	90.8	125	165	212	262	320	379	439	496	549	598	640	675
50	0.00	0.01	7.83	18.3	32.7	52.0	76.4	106	140	181	225	274	328	382	435	484	529	570	605
55	0.00	0.01	6.13	14.8	26.7	42.5	62.7	86.9	115	149	185	224	266	310	353	394	435	471	504
60	0.00	0.00	4.42	11.3	20.6	32.9	49.0	68.2	90.4	117	144	173	204	237	271	305	341	373	402
65	0.00	0.00	2.23	8.02	15.1	24.4	36.4	50.8	66.8	85.1	105	126	149	174	199	226	254	281	307
70	0.00	0.00	0.03	4.76	9.56	15.8	23.7	33.4	43.1	53.6	65.6	78.9	93.8	110	128	147	168	190	212
75	0.00	0.00	0.01	2.38	5.29	9.51	14.6	20.4	26.0	31.9	38.6	46.2	54.8	64.6	75.7	88.3	103	120	138
80	0.00	0.00	0.00	0.00	1.03	3.22	5.39	7.37	8.98	10.2	11.6	13.4	15.8	19.2	23.8	30.0	38.5	49.6	63.8
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:2024-07-13

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:220.3V I:0.1309A P:27.72W PF:0.9611 Lamp Flux:2674.05x1 lm		
NAME: 8.02.003.0326 LLS-COVE1-W40-30W-277V-016	KVXTYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:20240700026
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	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	55.3	76.2	95.5	115	134	153	170	184	196	203	189	186	177	164	159	154	149	145
-75	124	148	168	187	205	220	235	244	251	253	232	219	208	190	176	165	153	142
-70	192	219	240	259	276	287	299	304	305	302	274	252	239	216	193	177	158	140
-65	281	313	336	351	364	374	378	378	371	358	321	280	261	237	211	186	162	139
-60	369	407	432	443	452	461	457	452	438	414	368	307	284	259	229	195	166	138
-55	463	504	530	541	546	550	542	523	495	463	417	349	301	270	238	201	169	138
-50	557	602	627	638	640	638	628	594	553	512	467	392	318	280	248	207	172	138
-45	655	681	706	714	711	699	678	644	597	550	502	433	349	290	253	211	169	135
-40	752	761	784	789	782	760	728	693	642	587	536	475	379	299	259	215	167	132
-35	797	801	824	824	822	791	764	727	678	623	564	498	417	332	258	212	164	126
-30	842	841	864	859	862	821	800	761	714	658	592	521	455	364	258	209	162	120
-25	884	874	887	882	879	855	823	781	728	676	607	540	470	389	291	210	153	110
-20	926	908	910	906	896	889	846	801	743	694	622	558	486	414	325	210	145	99.6
-15	942	938	943	931	914	902	858	814	755	707	638	569	492	419	337	242	154	75.4
-10	959	968	976	956	932	914	870	826	768	720	655	580	498	423	348	273	163	51.3
-5	962	974	980	967	947	926	886	842	786	730	662	584	500	421	344	271	184	87.2
0	966	980	984	978	963	937	902	858	804	741	669	588	502	419	339	269	204	123
5	961	974	978	972	956	931	897	853	800	739	668	590	507	425	346	272	207	134
10	955	969	973	966	950	925	891	847	796	736	668	592	511	430	352	276	211	144
15	941	954	957	951	935	910	875	832	781	721	653	579	500	421	346	274	210	145
20	926	939	942	936	919	894	860	817	766	706	639	566	489	413	340	271	209	145
25	895	909	913	907	892	868	835	793	743	685	620	550	476	403	332	266	207	146
30	864	878	883	879	865	842	810	769	721	664	601	533	463	394	324	262	205	146
35	817	832	838	835	822	801	770	730	683	630	570	507	441	377	314	256	203	147
40	769	785	793	791	779	759	729	691	646	596	539	480	419	360	304	250	200	147
45	701	720	730	730	720	701	675	640	600	554	503	450	396	341	290	241	196	147
50	634	655	668	669	661	644	620	589	553	512	467	420	373	322	277	233	192	147
55	531	554	570	578	578	570	554	528	497	463	425	385	345	303	263	224	189	147
60	429	453	472	487	495	497	487	467	442	414	383	351	317	283	248	216	185	147
65	332	355	375	391	403	410	408	400	384	364	341	316	290	262	233	205	180	147
70	234	256	277	296	311	322	329	333	326	315	299	282	262	240	217	195	175	147
75	158	178	198	218	235	249	261	269	271	268	260	249	235	218	201	185	170	147
80	80.7	99.7	120	140	159	176	192	205	215	222	220	216	208	196	186	175	165	147
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:2024-07-13

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: