

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1438717

Luminaire Tested: CB2-085U-055D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438717
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-085U-055D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

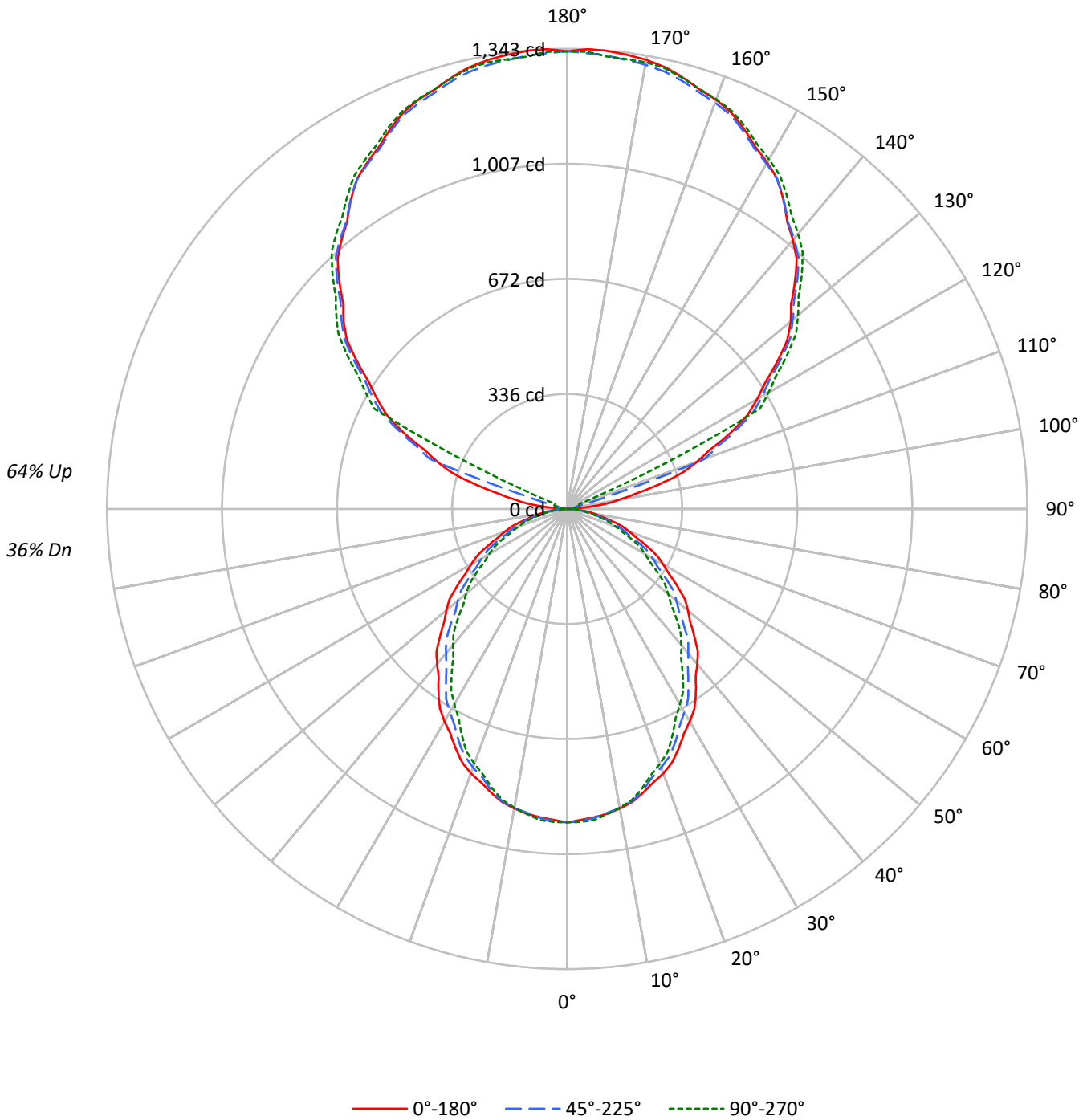
Lumens per Lamp: N/A
Luminaire Lumens: 5940.8 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 43
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1438717

CATALOG NUMBER: CB2-085U-055D-927-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1438717

CATALOG NUMBER: CB2-085U-055D-927-1D-UNV-STD-W-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	38	37	37	30
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	32	31	26
3	79	70	63	57	71	63	57	52	51	47	43	40	37	35	30	28	27	22
4	72	62	54	48	65	56	50	44	46	41	37	36	33	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12
9	49	37	29	25	44	34	27	23	28	23	19	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	20	26	21	17	21	17	15	16	13	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15930	15930	15930
5°	15795	15819	15930
10°	15705	15668	15656
15°	15457	15356	15230
20°	15214	14874	14667
25°	14804	14387	13983
30°	14394	13761	13240
35°	13923	13119	12494
40°	13424	12514	11782
45°	12919	11885	11092
50°	12467	11272	10419
55°	11910	10634	9781
60°	11269	10025	9148
65°	10592	9351	8515
70°	9844	8596	7705
75°	8957	7779	6972
80°	8004	6811	6319
85°	6155	5596	4616

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12919 cd/sqm



TEST NUMBER: P1438717

CATALOG NUMBER: CB2-085U-055D-927-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	1.4
10°-20°	239.8	4.0
20°-30°	344.7	5.8
30°-40°	387.5	6.5
40°-50°	374.3	6.3
50°-60°	316.2	5.3
60°-70°	227.1	3.8
70°-80°	124.2	2.1
80°-90°	33.0	0.6
90°-100°	23.3	0.4
100°-110°	148.1	2.5
110°-120°	470.6	7.9
120°-130°	683.0	11.5
130°-140°	734.5	12.4
140°-150°	691.6	11.6
150°-160°	563.4	9.5
160°-170°	366.7	6.2
170°-180°	126.8	2.1
0°-30°	670.5	11.3
0°-40°	1057.9	17.8
0°-60°	1748.5	29.4
0°-90°	2132.8	35.9
90°-120°	642.0	10.8
90°-150°	2751.1	46.3
90°-180°	3808.0	64.1
0°-180°	5940.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	903	916	905	905	911	86
15°	857	865	852	843	845	242
25°	770	771	749	732	728	355
35°	655	647	617	593	588	409
45°	524	514	482	457	450	405
55°	392	378	350	328	322	351
65°	257	247	227	211	207	255
75°	133	125	116	106	104	142
85°	31	29	28	24	23	37
90°	0	0	0	1	1	3
95°	53	15	16	11	10	67
105°	278	288	29	34	36	293
115°	526	538	543	549	315	517
125°	747	761	761	774	784	668
135°	940	952	950	956	968	725
145°	1101	1109	1102	1103	1117	688
155°	1222	1230	1217	1214	1231	564
165°	1304	1307	1294	1288	1302	368
175°	1342	1345	1328	1319	1326	128
180°	1336	1336	1336	1336	1336	

TEST NUMBER: P1438717

CATALOG NUMBER: CB2-085U-055D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	914.6	914.6	914.6	914.6	914.6
2.5°	908.4	919.4	911.2	912.4	914.0
5°	903.4	915.7	904.8	904.9	911.1
7.5°	896.9	908.6	894.8	892.3	898.1
10°	888.0	899.6	885.9	881.1	885.2
12.5°	876.2	887.3	874.1	866.5	870.1
15°	857.2	864.7	851.6	843.2	844.6
17.5°	836.4	841.1	822.2	815.1	813.8
20°	820.8	824.9	802.5	792.7	791.3
22.5°	800.6	804.1	780.7	768.6	766.7
25°	770.3	771.0	748.6	731.7	727.6
27.5°	738.7	736.5	711.6	691.6	686.3
30°	715.7	713.0	684.2	663.1	658.3
32.5°	691.1	686.1	657.3	634.5	629.7
35°	654.8	647.3	617.0	593.0	587.6
37.5°	616.1	607.6	577.9	551.8	545.7
40°	590.4	580.8	550.4	524.4	518.2
42.5°	564.6	553.9	523.0	496.9	490.2
45°	524.5	513.6	482.5	457.1	450.3
47.5°	486.4	472.5	442.3	417.1	410.2
50°	460.1	445.0	416.0	391.3	384.5
52.5°	433.2	417.6	389.6	366.1	359.3
55°	392.2	377.8	350.2	328.3	322.1
57.5°	351.6	337.7	312.5	291.6	285.6
60°	323.5	311.9	287.8	268.1	262.6
62.5°	296.6	286.1	263.2	245.1	239.6
65°	257.0	247.4	226.9	210.7	206.6
67.5°	218.5	208.9	192.3	177.8	173.1
70°	193.3	183.7	168.8	155.4	151.3
72.5°	169.2	159.1	146.9	134.7	131.7
75°	133.1	124.8	115.6	106.4	103.6
77.5°	101.1	93.2	86.4	80.0	79.3
80°	79.8	73.0	67.9	63.7	63.0
82.5°	59.7	54.5	51.1	48.0	47.9
85°	30.8	28.8	28.0	24.5	23.1
87.5°	9.0	9.0	7.8	6.9	6.9
90°	0.0	0.0	0.0	1.0	1.0
92.5°	14.7	5.6	3.9	5.6	5.6
95°	53.1	15.3	16.4	10.6	9.7
97.5°	110.3	24.7	23.8	26.1	27.0
100°	153.5	50.6	26.1	30.0	30.9
102.5°	201.4	190.7	26.8	32.3	34.0
105°	278.1	288.5	29.0	33.8	35.7
107.5°	353.4	363.8	134.8	35.0	36.9
110°	403.6	414.0	426.8	35.8	37.7



TEST NUMBER: P1438717

CATALOG NUMBER: CB2-085U-055D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	450.8	463.4	473.2	79.6	39.2
115°	526.3	537.6	542.7	549.0	314.8
117.5°	592.9	606.9	612.6	623.5	634.0
120°	639.3	652.5	656.6	667.5	678.8
122.5°	684.8	696.5	699.1	711.5	722.1
125°	747.4	760.6	760.9	773.7	784.1
127.5°	810.0	821.3	820.8	830.3	841.8
130°	851.7	859.2	859.4	867.4	879.7
132.5°	886.5	897.0	897.3	903.7	916.0
135°	940.5	951.9	950.2	956.3	968.5
137.5°	991.3	1002.3	999.2	1004.4	1017.0
140°	1024.5	1034.0	1029.4	1034.5	1048.7
142.5°	1055.4	1064.9	1058.0	1062.4	1077.3
145°	1100.8	1109.3	1101.8	1103.1	1117.2
147.5°	1141.2	1149.5	1140.4	1141.7	1154.9
150°	1167.5	1175.0	1163.6	1164.9	1178.1
152.5°	1190.6	1197.4	1185.2	1185.0	1200.5
155°	1222.5	1230.1	1216.7	1214.2	1231.2
157.5°	1251.5	1258.5	1245.1	1243.3	1256.5
160°	1270.8	1275.5	1262.1	1259.5	1272.7
162.5°	1283.9	1289.4	1276.0	1271.9	1285.1
165°	1303.6	1307.4	1294.0	1288.5	1301.7
167.5°	1320.6	1325.0	1307.7	1302.8	1316.9
170°	1330.7	1333.5	1316.2	1309.7	1323.9
172.5°	1336.8	1338.9	1321.6	1314.3	1323.9
175°	1342.2	1345.1	1327.8	1319.2	1325.8
177.5°	1343.2	1344.7	1331.6	1324.2	1335.5
180°	1335.5	1335.5	1335.5	1335.5	1335.5



TEST NUMBER: P1438717
 CATALOG NUMBER: CB2-085U-055D-927-1D-UNV-STD-W-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.15	15.89	16.22	16.96	18.42	14.05	14.79	15.12	15.86	17.32
	3H	16.79	17.45	17.87	18.53	20.01	15.57	16.23	16.65	17.31	18.79
	4H	17.41	18.04	18.50	19.12	20.60	16.14	16.76	17.23	17.85	19.33
	6H	17.80	18.38	18.91	19.47	20.96	16.50	17.08	17.60	18.16	19.66
	8H	17.95	18.50	19.05	19.60	21.09	16.64	17.19	17.74	18.29	19.78
	12H	18.02	18.54	19.13	19.64	21.15	16.70	17.22	17.81	18.31	19.83
4H	2H	15.54	16.17	16.64	17.25	18.74	14.67	15.30	15.77	16.38	17.86
	3H	17.40	17.93	18.51	19.03	20.53	16.39	16.92	17.50	18.03	19.52
	4H	18.14	18.62	19.25	19.72	21.24	17.06	17.54	18.17	18.64	20.16
	6H	18.66	19.07	19.77	20.19	21.70	17.53	17.94	18.65	19.06	20.57
	8H	18.86	19.24	19.98	20.36	21.88	17.72	18.10	18.83	19.22	20.74
	12H	18.96	19.31	20.09	20.43	21.96	17.80	18.15	18.93	19.27	20.81
8H	4H	18.29	18.67	19.41	19.79	21.31	17.33	17.71	18.44	18.82	20.35
	6H	18.93	19.24	20.07	20.40	21.92	17.93	18.24	19.06	19.40	20.92
	8H	19.22	19.49	20.36	20.63	22.17	18.20	18.48	19.34	19.61	21.16
	12H	19.39	19.63	20.53	20.76	22.34	18.34	18.59	19.49	19.72	21.30
12H	4H	18.26	18.61	19.40	19.74	21.27	17.32	17.67	18.46	18.80	20.33
	6H	18.95	19.23	20.10	20.37	21.91	17.99	18.27	19.13	19.40	20.95
	8H	19.27	19.51	20.41	20.64	22.22	18.29	18.53	19.44	19.66	21.24