

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: P1439237

Luminaire Tested: CB3-085U-055D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439237
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-085U-055D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

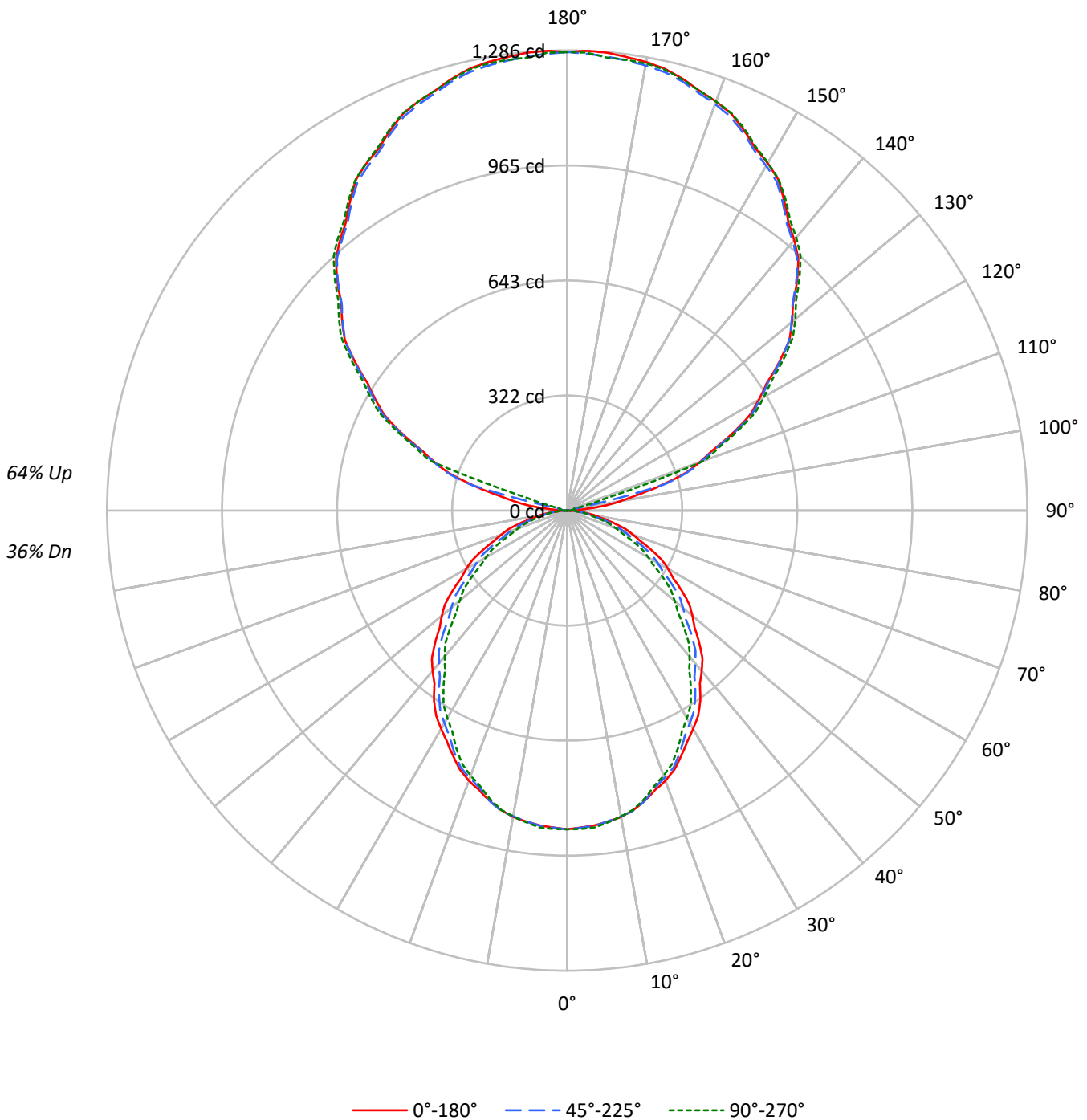
Lumens per Lamp: N/A
Luminaire Lumens: 5914.3 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 40.4
Input Voltage (V): 120
Input Current (Ain): 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

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Luminous Intensity Polar Plot





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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	38	37	31
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	33	31	26
3	79	70	63	57	71	63	57	52	51	47	44	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	24	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°	10079	10079	10079
5°	10031	10038	10096
10°	9986	9973	9973
15°	9834	9834	9774
20°	9674	9575	9492
25°	9431	9312	9146
30°	9199	8960	8744
35°	8957	8625	8319
40°	8635	8223	7868
45°	8341	7866	7380
50°	8041	7439	6904
55°	7713	7027	6452
60°	7359	6599	5940
65°	6945	6115	5403
70°	6467	5544	4813
75°	5862	4866	4289
80°	5108	4079	3792
85°	3947	3453	3453

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8341 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	1.4
10°-20°	236.1	4.0
20°-30°	343.0	5.8
30°-40°	390.0	6.6
40°-50°	378.6	6.4
50°-60°	319.7	5.4
60°-70°	227.4	3.8
70°-80°	121.5	2.1
80°-90°	32.1	0.5
90°-100°	29.6	0.5
100°-110°	214.3	3.6
110°-120°	509.5	8.6
120°-130°	650.9	11.0
130°-140°	702.1	11.9
140°-150°	661.9	11.2
150°-160°	540.0	9.1
160°-170°	351.8	5.9
170°-180°	121.6	2.1
0°-30°	663.2	11.2
0°-40°	1053.2	17.8
0°-60°	1751.5	29.6
0°-90°	2132.6	36.1
90°-120°	753.4	12.7
90°-150°	2768.3	46.8
90°-180°	3782.0	63.9
0°-180°	5914.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	891	891	891	891	891	
5°	883	894	884	883	889	84
15°	840	847	840	834	834	236
25°	755	758	746	736	733	348
35°	648	642	624	606	602	404
45°	521	513	492	468	461	402
55°	391	380	356	333	327	350
65°	259	250	228	208	202	257
75°	134	127	111	100	98	143
85°	30	28	27	27	27	36
90°	0	0	0	1	0	3
95°	54	10	13	14	14	67
105°	271	275	279	20	21	286
115°	509	513	514	522	524	502
125°	723	728	726	734	739	645
135°	909	913	906	913	918	700
145°	1057	1064	1051	1058	1063	662
155°	1171	1181	1165	1168	1175	540
165°	1249	1255	1242	1238	1247	353
175°	1284	1291	1274	1267	1271	122
180°	1281	1281	1281	1281	1281	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	890.8	890.8	890.8	890.8	890.8
2.5°	886.2	895.1	887.2	888.3	890.2
5°	883.2	894.3	883.8	882.7	888.9
7.5°	876.3	886.5	875.6	873.0	878.6
10°	869.2	880.4	868.0	864.9	868.0
12.5°	856.6	868.2	858.4	853.2	855.8
15°	839.5	846.9	839.5	834.4	834.4
17.5°	818.6	826.4	812.4	808.9	807.5
20°	803.4	810.3	795.2	790.1	788.3
22.5°	783.2	789.5	777.0	768.3	766.0
25°	755.4	757.8	745.9	735.7	732.6
27.5°	727.4	728.0	711.6	699.2	695.1
30°	704.1	704.7	685.8	672.4	669.3
32.5°	680.8	679.0	661.0	645.1	643.0
35°	648.5	642.3	624.4	606.0	602.3
37.5°	609.4	605.6	584.6	566.1	560.5
40°	584.6	578.4	556.7	538.2	532.7
42.5°	559.8	552.6	530.4	509.9	503.8
45°	521.3	513.3	491.6	468.0	461.2
47.5°	482.6	473.8	449.9	427.1	419.6
50°	456.8	447.5	422.6	400.3	392.2
52.5°	430.4	420.7	395.8	373.0	366.4
55°	391.0	380.5	356.2	333.3	327.1
57.5°	351.5	341.1	317.0	295.3	287.8
60°	325.2	315.3	291.6	270.0	262.5
62.5°	298.4	288.9	265.8	244.7	237.7
65°	259.4	250.1	228.4	208.0	201.8
67.5°	220.8	212.9	191.4	172.7	167.8
70°	195.5	188.1	167.6	150.5	145.5
72.5°	171.2	163.3	143.9	129.2	125.8
75°	134.1	126.7	111.3	99.9	98.1
77.5°	100.2	94.1	80.9	74.4	73.4
80°	78.4	72.9	62.6	58.2	58.2
82.5°	58.2	53.6	46.9	45.0	45.0
85°	30.4	27.9	26.6	26.6	26.6
87.5°	9.1	9.1	8.6	8.3	8.1
90°	0.0	0.0	0.0	0.9	0.0
92.5°	14.7	5.6	4.6	5.6	5.4
95°	54.1	9.7	12.6	13.5	13.5
97.5°	108.9	106.8	14.7	17.6	17.8
100°	150.6	155.4	15.5	18.4	19.3
102.5°	197.0	201.0	28.6	19.1	20.1
105°	271.3	275.1	279.1	20.3	21.2
107.5°	345.3	348.1	350.7	315.7	118.2
110°	394.0	396.8	397.8	407.5	409.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	439.6	443.1	445.0	453.2	456.6
115°	508.9	512.7	513.7	521.5	524.3
117.5°	574.7	578.7	580.5	586.8	591.4
120°	618.0	622.7	623.8	631.6	635.4
122.5°	660.5	666.0	665.5	672.6	677.9
125°	723.3	728.0	726.2	734.0	738.7
127.5°	782.9	785.8	781.8	791.3	795.3
130°	820.8	823.6	818.9	827.7	832.4
132.5°	855.6	859.9	854.4	862.4	867.1
135°	908.7	913.4	905.8	912.7	918.3
137.5°	956.0	961.6	952.5	960.5	965.4
140°	986.9	992.5	981.1	989.9	995.6
142.5°	1015.5	1022.6	1008.9	1017.0	1023.4
145°	1057.4	1064.0	1050.6	1057.5	1063.2
147.5°	1097.2	1102.8	1090.0	1094.9	1098.9
150°	1121.1	1126.8	1112.4	1117.4	1122.1
152.5°	1140.4	1148.4	1134.0	1137.5	1144.5
155°	1171.3	1180.8	1164.6	1167.6	1175.2
157.5°	1199.7	1208.2	1192.0	1194.6	1201.3
160°	1216.7	1225.2	1209.0	1210.1	1216.7
162.5°	1229.8	1237.6	1223.7	1221.7	1229.8
165°	1248.6	1255.2	1241.8	1238.1	1246.6
167.5°	1264.2	1271.8	1255.3	1252.3	1261.9
170°	1272.7	1280.3	1263.1	1258.5	1268.9
172.5°	1278.1	1284.9	1268.5	1262.3	1270.4
175°	1284.3	1290.9	1273.7	1267.0	1270.8
177.5°	1286.0	1291.3	1277.5	1271.6	1280.6
180°	1281.4	1281.4	1281.4	1281.4	1281.4



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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	13.73	14.47	14.80	15.54	17.00	12.65	13.39	13.72	14.46	15.92
	3H	15.38	16.05	16.46	17.13	18.60	14.05	14.72	15.13	15.80	17.27
	4H	16.01	16.64	17.10	17.72	19.20	14.56	15.19	15.66	16.27	17.76
	6H	16.39	16.97	17.49	18.05	19.55	14.88	15.46	15.98	16.54	18.03
	8H	16.52	17.07	17.62	18.17	19.66	15.00	15.55	16.10	16.65	18.13
	12H	16.58	17.11	17.69	18.20	19.71	15.07	15.59	16.17	16.68	18.20
4H	2H	14.12	14.75	15.22	15.83	17.31	13.26	13.89	14.36	14.97	16.45
	3H	16.00	16.52	17.10	17.63	19.13	14.87	15.39	15.97	16.50	18.00
	4H	16.74	17.22	17.85	18.32	19.84	15.47	15.95	16.58	17.05	18.57
	6H	17.24	17.65	18.35	18.77	20.28	15.88	16.29	16.99	17.41	18.92
	8H	17.43	17.81	18.54	18.92	20.45	16.04	16.43	17.16	17.54	19.07
	12H	17.52	17.87	18.65	18.99	20.52	16.14	16.49	17.28	17.62	19.15
8H	4H	16.86	17.25	17.98	18.36	19.88	15.72	16.11	16.84	17.22	18.75
	6H	17.48	17.79	18.61	18.95	20.47	16.25	16.56	17.38	17.72	19.24
	8H	17.75	18.03	18.89	19.16	20.71	16.50	16.78	17.64	17.91	19.45
	12H	17.91	18.15	19.06	19.29	20.86	16.67	16.91	17.82	18.04	19.62
12H	4H	16.83	17.18	17.96	18.30	19.83	15.72	16.07	16.85	17.19	18.72
	6H	17.49	17.77	18.64	18.90	20.45	16.30	16.58	17.45	17.72	19.26
	8H	17.79	18.03	18.93	19.16	20.74	16.58	16.82	17.73	17.95	19.53