

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: P1439569

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439569
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-085U-055D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

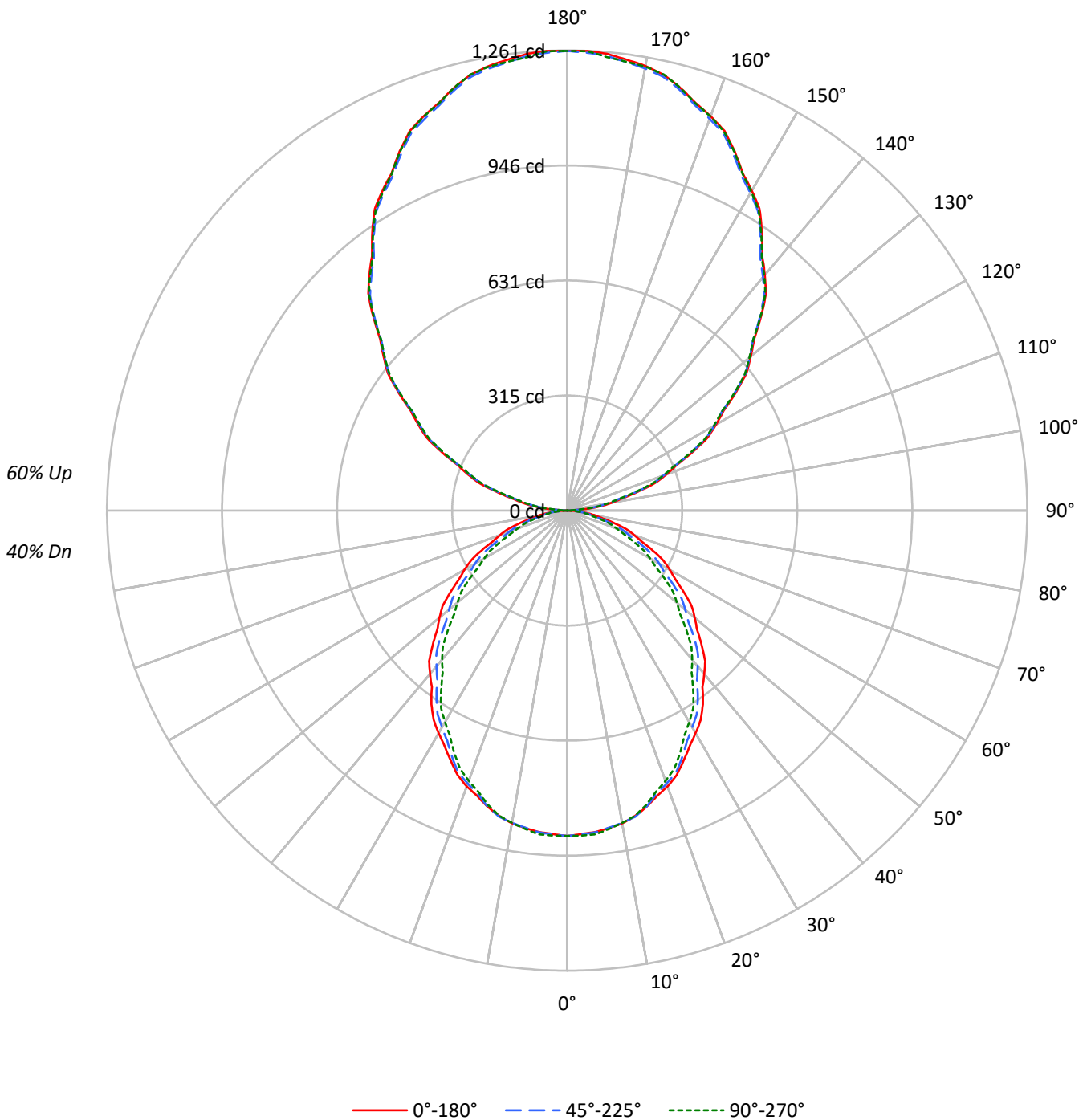
Lumens per Lamp: N/A
Luminaire Lumens: 5378.8 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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

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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	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	28
3	80	70	63	58	72	64	58	53	53	48	45	42	39	37	33	30	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	37	31	26	31	26	22	26	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10089	10089	10089
5°	10041	10049	10118
10°	9998	9983	9983
15°	9845	9845	9786
20°	9686	9587	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°	84.1	1.6
10°-20°	236.4	4.4
20°-30°	343.2	6.4
30°-40°	390.0	7.3
40°-50°	378.6	7.0
50°-60°	319.7	5.9
60°-70°	227.4	4.2
70°-80°	121.5	2.3
80°-90°	32.1	0.6
90°-100°	53.2	1.0
100°-110°	208.2	3.9
110°-120°	371.1	6.9
120°-130°	502.2	9.3
130°-140°	577.3	10.7
140°-150°	579.3	10.8
150°-160°	498.2	9.3
160°-170°	337.2	6.3
170°-180°	118.9	2.2
0°-30°	663.7	12.3
0°-40°	1053.7	19.6
0°-60°	1752.0	32.6
0°-90°	2133.1	39.7
90°-120°	632.5	11.8
90°-150°	2291.3	42.6
90°-180°	3246.0	60.3
0°-180°	5378.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	892	892	892	892	892	
5°	884	895	885	884	891	84
15°	840	848	840	835	835	237
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	0	0	3
95°	51	46	42	39	40	58
105°	202	201	194	191	189	215
115°	378	380	372	371	370	375
125°	564	570	559	557	558	504
135°	751	759	746	741	748	579
145°	931	938	923	918	927	582
155°	1086	1096	1078	1073	1084	500
165°	1199	1210	1194	1187	1199	338
175°	1256	1268	1250	1243	1248	119
180°	1259	1259	1259	1259	1259	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	891.7	891.7	891.7	891.7	891.7
2.5°	887.2	896.1	888.2	889.2	891.2
5°	884.1	895.3	884.8	883.7	890.8
7.5°	877.3	887.4	876.5	874.0	879.6
10°	870.2	881.3	868.9	865.8	868.9
12.5°	857.6	869.2	859.3	854.2	856.8
15°	840.5	847.9	840.5	835.4	835.4
17.5°	819.6	827.4	813.4	809.8	808.3
20°	804.4	811.2	796.2	791.1	788.3
22.5°	784.2	790.5	778.0	768.5	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	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	13.9	12.4	7.7	6.2	6.2
95°	51.2	46.5	41.5	38.6	39.6
97.5°	94.4	89.9	83.8	80.9	81.7
100°	124.6	120.8	113.9	111.0	111.0
102.5°	153.9	151.7	144.8	142.0	142.7
105°	201.8	200.9	194.1	191.2	189.3
107.5°	254.7	253.0	245.5	245.2	243.5
110°	288.7	287.8	281.0	280.0	279.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	323.5	324.8	317.3	316.3	315.4
115°	378.5	380.4	371.8	370.8	369.8
117.5°	434.9	437.6	428.4	427.4	425.7
120°	471.2	476.9	465.4	464.5	463.5
122.5°	508.3	513.2	502.5	500.8	500.6
125°	563.9	570.5	559.1	557.2	558.1
127.5°	619.6	626.4	615.7	611.9	614.0
130°	656.6	664.2	652.8	649.0	651.8
132.5°	694.5	702.0	690.6	686.9	691.2
135°	751.3	758.8	746.4	740.8	748.4
137.5°	806.7	813.3	799.7	795.9	803.8
140°	843.0	849.6	835.3	830.7	840.1
142.5°	878.5	885.9	870.0	865.4	875.6
145°	930.9	938.4	923.2	918.5	927.0
147.5°	981.1	988.8	973.4	968.0	976.6
150°	1012.0	1020.5	1004.3	999.7	1009.1
152.5°	1042.1	1051.4	1034.4	1029.1	1040.8
155°	1086.3	1095.8	1077.7	1073.1	1084.4
157.5°	1126.1	1134.8	1118.4	1113.8	1123.6
160°	1150.1	1159.5	1142.4	1137.8	1149.1
162.5°	1170.9	1180.4	1164.8	1158.6	1170.0
165°	1199.3	1209.7	1193.5	1187.0	1199.3
167.5°	1223.1	1234.2	1217.1	1211.2	1223.5
170°	1237.0	1247.4	1230.2	1222.8	1235.1
172.5°	1246.3	1256.6	1239.5	1232.0	1240.5
175°	1256.3	1267.6	1250.5	1242.9	1247.6
177.5°	1260.7	1269.8	1256.1	1249.4	1260.0
180°	1259.2	1259.2	1259.2	1259.2	1259.2



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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	14.13	14.90	15.18	15.95	17.36	13.06	13.82	14.10	14.87	16.28
	3H	15.79	16.48	16.85	17.54	18.97	14.46	15.15	15.52	16.21	17.64
	4H	16.42	17.07	17.48	18.13	19.57	14.98	15.63	16.04	16.69	18.12
	6H	16.80	17.40	17.87	18.46	19.91	15.29	15.89	16.36	16.95	18.40
	8H	16.93	17.50	18.01	18.58	20.03	15.41	15.98	16.49	17.06	18.50
	12H	17.00	17.54	18.08	18.61	20.08	15.48	16.02	16.56	17.09	18.56
4H	2H	14.53	15.18	15.60	16.24	17.68	13.67	14.32	14.74	15.38	16.82
	3H	16.41	16.95	17.49	18.04	19.49	15.28	15.83	16.36	16.91	18.36
	4H	17.16	17.65	18.24	18.73	20.20	15.89	16.38	16.97	17.46	18.93
	6H	17.65	18.08	18.75	19.18	20.65	16.29	16.72	17.39	17.82	19.29
	8H	17.84	18.24	18.94	19.33	20.82	16.46	16.86	17.55	17.95	19.43
	12H	17.94	18.30	19.05	19.40	20.89	16.56	16.92	17.67	18.03	19.51
8H	4H	17.28	17.68	18.37	18.77	20.25	16.14	16.54	17.23	17.63	19.11
	6H	17.89	18.22	19.01	19.36	20.84	16.66	16.99	17.78	18.13	19.61
	8H	18.17	18.46	19.29	19.57	21.07	16.92	17.20	18.04	18.32	19.82
	12H	18.33	18.58	19.45	19.69	21.23	17.09	17.34	18.21	18.45	19.99
12H	4H	17.25	17.61	18.36	18.71	20.20	16.14	16.50	17.25	17.60	19.09
	6H	17.91	18.20	19.03	19.31	20.81	16.72	17.01	17.84	18.12	19.62
	8H	18.20	18.46	19.33	19.57	21.11	17.00	17.25	18.12	18.36	19.90