

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: P1439193

Luminaire Tested: CB3-055U-085D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439193
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: CB3-055U-085D-840-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

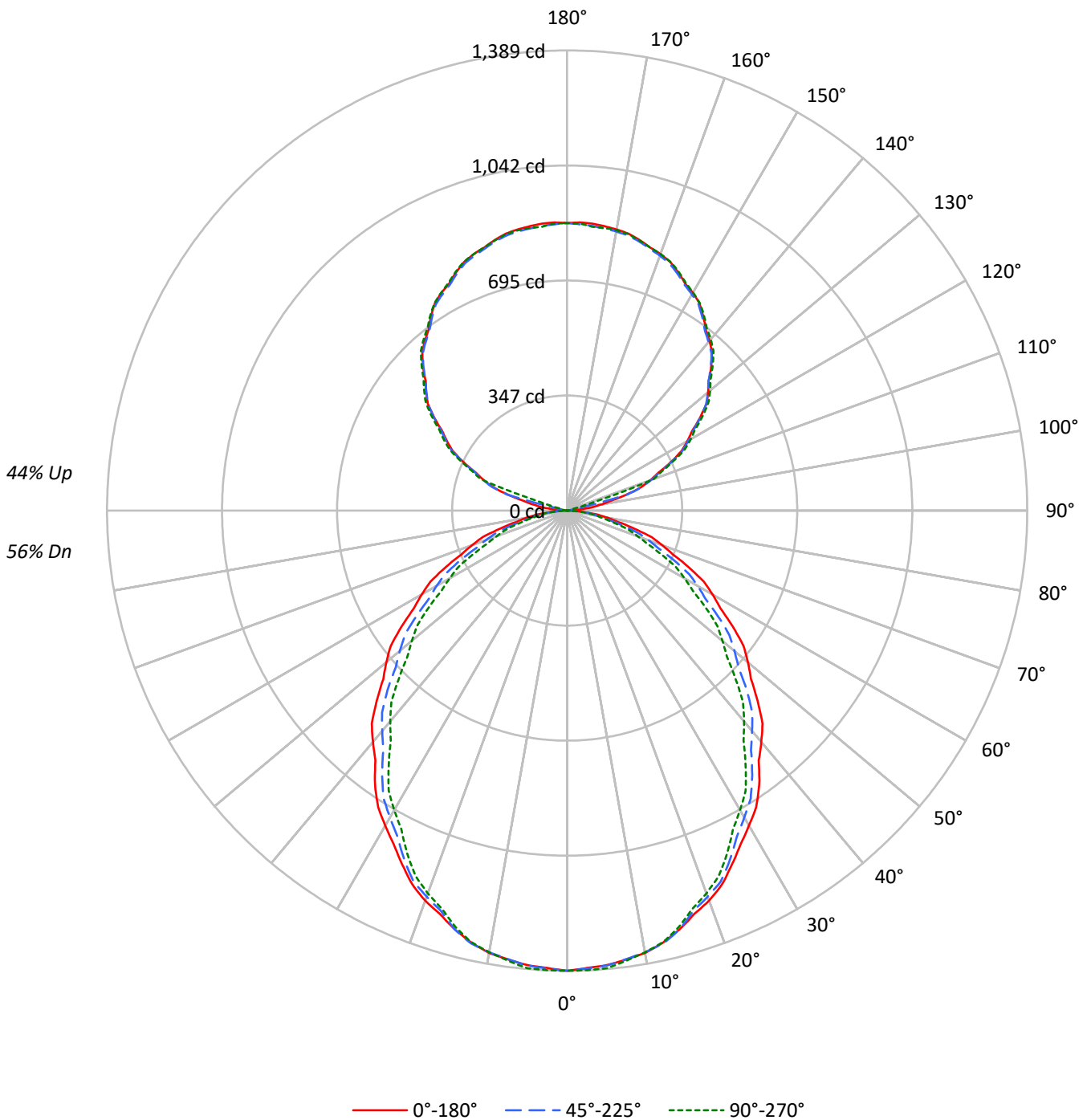
Lumens per Lamp: N/A
Luminaire Lumens: 5886.9 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.6
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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	99	95	91	88	92	89	85	82	77	74	72	65	64	62	55	54	53	48
2	91	83	77	72	84	78	72	68	67	63	60	58	55	52	49	47	45	41
3	83	73	66	60	77	69	62	57	60	55	51	51	47	44	43	41	38	35
4	76	65	57	51	70	61	54	49	53	48	43	46	42	38	39	36	33	30
5	70	58	50	44	65	55	47	42	48	42	37	41	37	33	35	32	29	26
6	64	52	44	38	60	49	42	36	43	37	33	37	33	29	32	28	26	23
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	26	23	20
8	55	43	35	30	51	41	33	29	36	30	26	31	27	23	27	23	21	18
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	17
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15718	15718	15718
5°	15644	15656	15745
10°	15576	15553	15553
15°	15337	15337	15244
20°	15088	14933	14803
25°	14708	14523	14265
30°	14348	13973	13638
35°	13969	13451	12974
40°	13466	12825	12271
45°	13009	12267	11510
50°	12540	11602	10767
55°	12029	10958	10062
60°	11475	10294	9267
65°	10830	9536	8425
70°	10087	8651	7506
75°	9145	7593	6684
80°	7969	6366	5916
85°	6153	5375	5375

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13009 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.1	2.2
10°-20°	368.2	6.3
20°-30°	535.0	9.1
30°-40°	608.3	10.3
40°-50°	590.5	10.0
50°-60°	498.6	8.5
60°-70°	354.7	6.0
70°-80°	189.5	3.2
80°-90°	50.1	0.9
90°-100°	20.0	0.3
100°-110°	145.1	2.5
110°-120°	345.0	5.9
120°-130°	440.8	7.5
130°-140°	475.4	8.1
140°-150°	448.2	7.6
150°-160°	365.6	6.2
160°-170°	238.2	4.0
170°-180°	82.4	1.4
0°-30°	1034.3	17.6
0°-40°	1642.6	27.9
0°-60°	2731.7	46.4
0°-90°	3326.0	56.5
90°-120°	510.2	8.7
90°-150°	1874.6	31.8
90°-180°	2561.0	43.5
0°-180°	5886.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1389	1389	1389	1389	1389	
5°	1377	1395	1378	1377	1386	131
15°	1309	1321	1309	1301	1301	369
25°	1178	1182	1163	1147	1143	543
35°	1011	1002	974	945	939	630
45°	813	800	767	730	719	627
55°	610	593	556	520	510	545
65°	404	390	356	324	315	401
75°	209	198	174	156	153	223
85°	47	44	41	41	41	56
90°	0	0	0	1	0	3
95°	37	7	8	9	9	45
105°	184	186	189	14	14	194
115°	345	347	348	353	355	340
125°	490	493	492	497	500	437
135°	615	618	613	618	622	474
145°	716	720	711	716	720	448
155°	793	800	789	791	796	366
165°	846	850	841	838	844	239
175°	870	874	862	858	860	83
180°	868	868	868	868	868	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1389.2	<i>1389.2</i>	1389.2	1389.2	1389.2
2.5°	<i>1382.1</i>	<i>1396.0</i>	<i>1383.7</i>	<i>1385.4</i>	<i>1388.4</i>
5°	1377.4	<i>1394.8</i>	1378.4	1376.6	1386.3
7.5°	1366.7	<i>1382.6</i>	1365.5	1361.6	1370.3
10°	1355.7	<i>1373.0</i>	1353.7	1348.9	1353.7
12.5°	1335.9	<i>1354.1</i>	1338.7	1330.7	1334.8
15°	1309.3	<i>1320.9</i>	1309.3	1301.4	1301.4
17.5°	1276.7	<i>1288.9</i>	1267.1	1261.5	1259.4
20°	1253.1	<i>1263.7</i>	1240.2	1232.3	1229.4
22.5°	1221.5	<i>1231.3</i>	1211.8	1198.3	1194.7
25°	1178.1	<i>1181.9</i>	1163.3	1147.4	1142.6
27.5°	1134.5	<i>1135.4</i>	1109.8	1090.5	1084.2
30°	1098.2	<i>1099.1</i>	1069.5	1048.7	1043.9
32.5°	1061.9	<i>1059.0</i>	1030.9	1006.1	1002.9
35°	1011.3	<i>1001.7</i>	973.8	945.1	939.3
37.5°	950.4	<i>944.6</i>	911.7	882.9	874.2
40°	911.7	<i>902.0</i>	868.3	839.5	830.8
42.5°	873.0	<i>861.8</i>	827.2	795.2	785.8
45°	813.0	<i>800.5</i>	766.6	729.9	719.3
47.5°	752.6	<i>738.9</i>	701.7	666.1	654.4
50°	712.4	<i>697.9</i>	659.1	624.3	611.7
52.5°	671.3	<i>656.1</i>	617.3	581.7	571.5
55°	609.8	<i>593.4</i>	555.5	519.8	510.1
57.5°	548.2	<i>532.0</i>	494.3	460.5	448.9
60°	507.1	<i>491.7</i>	454.9	421.0	409.5
62.5°	465.3	<i>450.6</i>	414.6	381.6	370.8
65°	404.5	<i>390.1</i>	356.2	324.4	314.7
67.5°	344.3	<i>332.0</i>	298.6	269.4	261.7
70°	304.9	<i>293.3</i>	261.5	234.7	226.9
72.5°	267.0	<i>254.6</i>	224.4	201.6	196.1
75°	209.2	<i>197.6</i>	173.7	155.8	152.9
77.5°	156.3	<i>146.8</i>	126.1	116.0	114.5
80°	122.3	<i>113.7</i>	97.7	90.8	90.8
82.5°	90.8	<i>83.6</i>	73.2	70.3	70.3
85°	47.4	<i>43.5</i>	41.4	41.4	41.4
87.5°	14.2	<i>14.2</i>	13.4	12.8	12.6
90°	0.0	<i>0.0</i>	0.0	0.6	0.0
92.5°	9.9	<i>3.8</i>	3.1	3.8	3.7
95°	36.6	<i>6.6</i>	8.5	9.2	9.2
97.5°	73.8	<i>72.4</i>	9.9	11.9	12.0
100°	102.0	<i>105.2</i>	10.5	12.4	13.1
102.5°	133.4	<i>136.1</i>	19.4	13.0	13.6
105°	183.7	<i>186.3</i>	189.0	13.7	14.4
107.5°	233.8	<i>235.7</i>	237.5	213.8	80.0
110°	266.8	<i>268.7</i>	269.4	276.0	277.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	297.6	300.1	301.3	306.9	309.2
115°	344.6	347.2	347.9	353.1	355.1
117.5°	389.2	391.9	393.1	397.4	400.4
120°	418.5	421.7	422.4	427.7	430.3
122.5°	447.3	451.0	450.7	455.4	459.0
125°	489.8	493.0	491.7	497.0	500.2
127.5°	530.2	532.1	529.4	535.9	538.5
130°	555.8	557.7	554.5	560.5	563.6
132.5°	579.3	582.3	578.6	584.0	587.2
135°	615.3	618.5	613.3	618.0	621.8
137.5°	647.3	651.2	645.0	650.4	653.8
140°	668.3	672.1	664.3	670.3	674.2
142.5°	687.6	692.5	683.2	688.6	693.0
145°	716.0	720.5	711.4	716.1	719.9
147.5°	742.9	746.8	738.1	741.4	744.1
150°	759.2	763.0	753.3	756.6	759.8
152.5°	772.2	777.6	767.9	770.3	775.0
155°	793.2	799.6	788.6	790.7	795.8
157.5°	812.4	818.1	807.2	809.0	813.4
160°	823.9	829.6	818.7	819.4	823.9
162.5°	832.8	838.0	828.6	827.3	832.8
165°	845.5	849.9	840.9	838.4	844.2
167.5°	856.1	861.2	850.1	848.0	854.5
170°	861.8	866.9	855.3	852.2	859.2
172.5°	865.5	870.1	858.9	854.8	860.3
175°	869.7	874.1	862.5	858.0	860.5
177.5°	870.8	874.4	865.1	861.0	867.2
180°	867.7	867.7	867.7	867.7	867.7

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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	17.30	18.21	18.20	19.13	20.31	16.22	17.13	17.12	18.05	19.23
	3H	18.97	19.79	19.89	20.72	21.92	17.64	18.46	18.55	19.39	20.59
	4H	19.60	20.38	20.53	21.31	22.52	18.16	18.93	19.09	19.87	21.08
	6H	19.99	20.70	20.93	21.64	22.87	18.48	19.19	19.42	20.13	21.35
	8H	20.13	20.81	21.08	21.76	22.99	18.61	19.28	19.55	20.24	21.46
	12H	20.20	20.84	21.15	21.79	23.04	18.68	19.33	19.64	20.28	21.52
4H	2H	17.72	18.49	18.65	19.42	20.63	16.86	17.63	17.79	18.56	19.77
	3H	19.61	20.25	20.55	21.22	22.44	18.48	19.12	19.42	20.09	21.31
	4H	20.36	20.95	21.32	21.91	23.16	19.09	19.68	20.04	20.63	21.88
	6H	20.87	21.37	21.83	22.35	23.60	19.50	20.01	20.47	20.99	22.24
	8H	21.06	21.53	22.03	22.51	23.77	19.68	20.15	20.65	21.12	22.39
	12H	21.16	21.58	22.15	22.58	23.84	19.78	20.21	20.77	21.20	22.47
8H	4H	20.49	20.97	21.46	21.94	23.20	19.35	19.83	20.32	20.80	22.07
	6H	21.11	21.50	22.11	22.52	23.78	19.89	20.28	20.88	21.29	22.56
	8H	21.39	21.73	22.39	22.74	24.02	20.14	20.48	21.14	21.49	22.77
	12H	21.56	21.86	22.56	22.86	24.19	20.32	20.62	21.32	21.62	22.95
12H	4H	20.47	20.89	21.46	21.89	23.16	19.36	19.78	20.35	20.78	22.05
	6H	21.13	21.48	22.13	22.48	23.76	19.94	20.29	20.95	21.29	22.57
	8H	21.43	21.74	22.44	22.74	24.06	20.23	20.53	21.23	21.53	22.86