

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: P1439261

Luminaire Tested: CB3-085U-120D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439261
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-120D-835-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

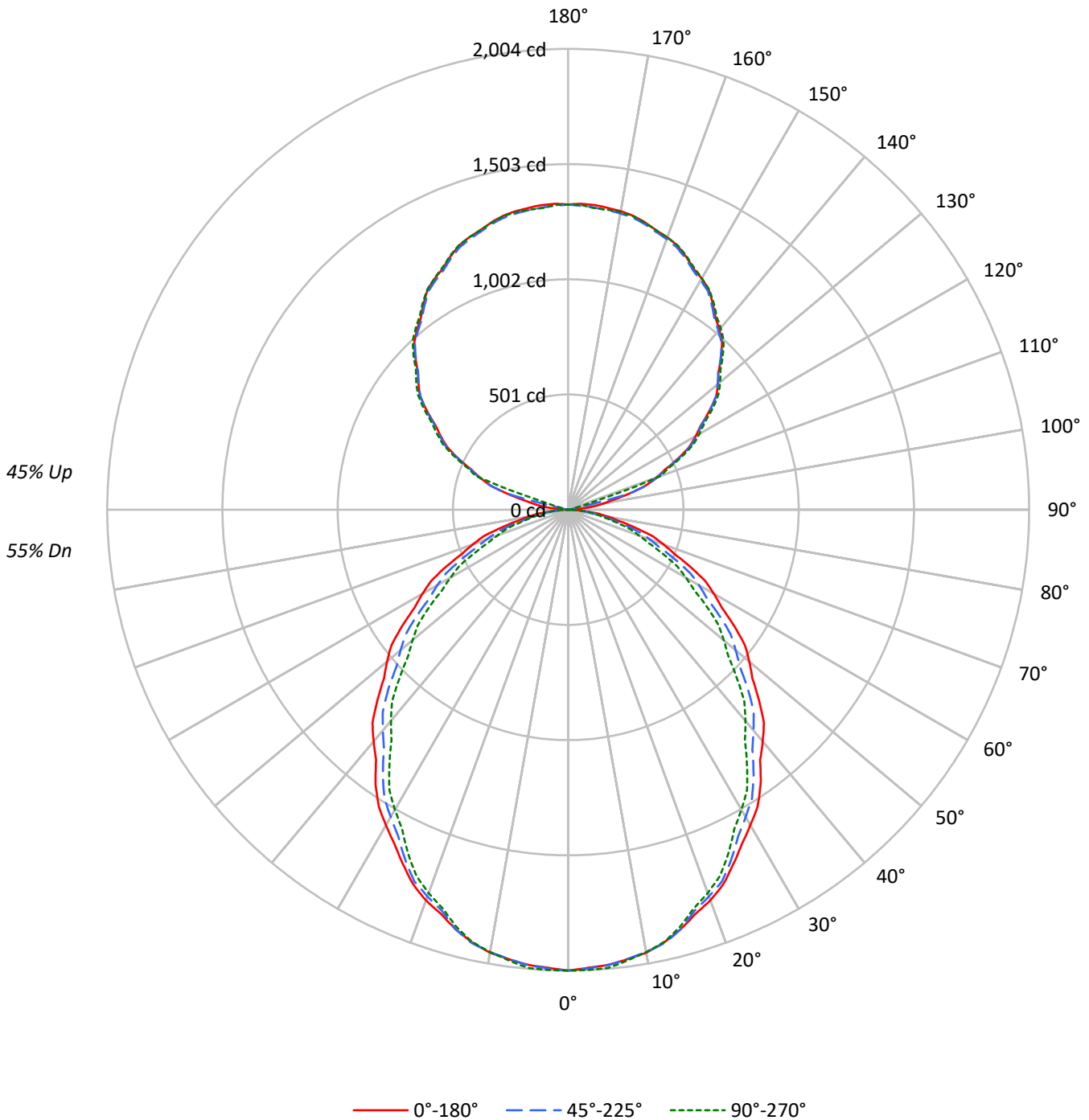
Lumens per Lamp: N/A
Luminaire Lumens: 8715.0 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 62
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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	88	92	88	85	82	76	73	71	65	63	61	54	53	52	47
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	40
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	64	54	47	42	47	41	37	41	36	33	34	31	28	25
6	64	52	44	38	59	49	42	36	43	37	32	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	25	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22679	22679	22679
5°	22571	22587	22717
10°	22473	22439	22439
15°	22128	22128	21995
20°	21768	21546	21357
25°	21219	20954	20580
30°	20700	20161	19677
35°	20154	19407	18719
40°	19429	18503	17703
45°	18769	17699	16606
50°	18092	16738	15536
55°	17355	15811	14519
60°	16558	14852	13369
65°	15627	13758	12157
70°	14553	12478	10831
75°	13194	10951	9648
80°	11500	9181	8536
85°	8867	7763	7763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18769 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.1	2.2
10°-20°	531.3	6.1
20°-30°	771.9	8.9
30°-40°	877.6	10.1
40°-50°	852.0	9.8
50°-60°	719.3	8.3
60°-70°	511.8	5.9
70°-80°	273.4	3.1
80°-90°	72.3	0.8
90°-100°	30.6	0.4
100°-110°	221.9	2.5
110°-120°	527.6	6.1
120°-130°	674.1	7.7
130°-140°	727.1	8.3
140°-150°	685.4	7.9
150°-160°	559.2	6.4
160°-170°	364.3	4.2
170°-180°	125.9	1.4
0°-30°	1492.3	17.1
0°-40°	2370.0	27.2
0°-60°	3941.3	45.2
0°-90°	4798.8	55.1
90°-120°	780.2	9.0
90°-150°	2866.8	32.9
90°-180°	3916.0	44.9
0°-180°	8715.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2004	2004	2004	2004	2004	
5°	1987	2012	1989	1986	2000	189
15°	1889	1906	1889	1878	1878	532
25°	1700	1705	1678	1655	1648	783
35°	1459	1445	1405	1364	1355	909
45°	1173	1155	1106	1053	1038	905
55°	880	856	802	750	736	787
65°	584	563	514	468	454	578
75°	302	285	250	225	221	322
85°	68	63	60	60	60	81
90°	0	0	0	1	0	5
95°	56	10	13	14	14	69
105°	281	285	289	21	22	296
115°	527	531	532	540	543	520
125°	749	754	752	760	765	668
135°	941	946	938	945	951	725
145°	1095	1102	1088	1095	1101	685
155°	1213	1223	1206	1209	1217	559
165°	1293	1300	1286	1282	1291	365
175°	1330	1337	1319	1312	1316	126
180°	1327	1327	1327	1327	1327	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2004.4	2004.4	2004.4	2004.4	2004.4
2.5°	1994.1	2014.2	1996.4	1998.8	2003.2
5°	1987.3	2012.3	1988.7	1986.2	2000.1
7.5°	1971.9	1994.7	1970.2	1964.5	1977.0
10°	1956.0	1981.0	1953.1	1946.2	1953.1
12.5°	1927.5	1953.7	1931.5	1919.9	1925.8
15°	1889.1	1905.8	1889.1	1877.7	1877.7
17.5°	1842.1	1859.6	1828.1	1820.1	1817.0
20°	1807.9	1823.2	1789.4	1777.9	1773.7
22.5°	1762.4	1776.6	1748.4	1728.9	1723.6
25°	1699.7	1705.3	1678.4	1655.4	1648.5
27.5°	1636.8	1638.2	1601.2	1573.4	1564.2
30°	1584.4	1585.8	1543.1	1513.1	1506.1
32.5°	1532.0	1527.9	1487.3	1451.6	1446.9
35°	1459.1	1445.2	1405.0	1363.6	1355.2
37.5°	1371.2	1362.8	1315.4	1273.8	1261.3
40°	1315.4	1301.4	1252.7	1211.2	1198.6
42.5°	1259.6	1243.4	1193.5	1147.4	1133.7
45°	1173.0	1154.9	1106.1	1053.1	1037.8
47.5°	1085.9	1066.1	1012.4	961.1	944.1
50°	1027.8	1006.9	950.9	900.7	882.6
52.5°	968.6	946.6	890.6	839.3	824.5
55°	879.8	856.1	801.5	749.9	736.0
57.5°	790.9	767.5	713.2	664.4	647.7
60°	731.7	709.4	656.3	607.5	590.8
62.5°	671.3	650.2	598.2	550.6	535.0
65°	583.7	562.8	513.9	468.0	454.1
67.5°	496.8	479.0	430.8	388.7	377.5
70°	439.9	423.2	377.2	338.6	327.4
72.5°	385.2	367.4	323.7	290.8	283.0
75°	301.8	285.1	250.5	224.8	220.7
77.5°	225.5	211.8	181.9	167.4	165.1
80°	176.5	164.0	140.9	131.0	131.0
82.5°	131.0	120.7	105.6	101.4	101.4
85°	68.3	62.8	59.8	59.8	59.8
87.5°	20.5	20.5	19.4	18.4	18.2
90°	0.0	0.0	0.0	1.0	0.0
92.5°	15.2	5.8	4.8	5.8	5.6
95°	56.0	10.0	13.0	14.0	14.0
97.5°	112.8	110.6	15.2	18.2	18.4
100°	156.0	160.9	16.0	19.0	20.0
102.5°	204.0	208.1	29.6	19.8	20.8
105°	281.0	284.9	289.0	21.0	22.0
107.5°	357.6	360.5	363.2	327.0	122.4
110°	408.0	410.9	412.0	422.0	424.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	455.2	458.9	460.8	469.3	472.8
115°	527.0	530.9	532.0	540.1	543.0
117.5°	595.2	599.3	601.2	607.7	612.4
120°	640.0	644.9	646.0	654.1	658.0
122.5°	684.0	689.7	689.2	696.5	702.0
125°	749.0	753.9	752.0	760.1	765.0
127.5°	810.8	813.7	809.6	819.5	823.6
130°	850.0	852.9	848.0	857.1	862.0
132.5°	886.0	890.5	884.8	893.1	898.0
135°	941.0	945.9	938.0	945.1	951.0
137.5°	990.0	995.9	986.4	994.7	999.8
140°	1022.0	1027.9	1016.0	1025.1	1031.0
142.5°	1051.6	1059.0	1044.8	1053.2	1059.8
145°	1095.0	1101.8	1088.0	1095.1	1101.0
147.5°	1136.2	1142.1	1128.8	1133.9	1138.0
150°	1161.0	1166.9	1152.0	1157.1	1162.0
152.5°	1181.0	1189.2	1174.4	1178.0	1185.2
155°	1213.0	1222.8	1206.0	1209.2	1217.0
157.5°	1242.4	1251.2	1234.4	1237.2	1244.0
160°	1260.0	1268.8	1252.0	1253.2	1260.0
162.5°	1273.6	1281.6	1267.2	1265.2	1273.6
165°	1293.0	1299.8	1286.0	1282.2	1291.0
167.5°	1309.2	1317.0	1300.0	1296.8	1306.8
170°	1318.0	1325.8	1308.0	1303.2	1314.0
172.5°	1323.6	1330.6	1313.6	1307.2	1315.6
175°	1330.0	1336.8	1319.0	1312.1	1316.0
177.5°	1331.8	1337.3	1323.0	1316.8	1326.2
180°	1327.0	1327.0	1327.0	1327.0	1327.0



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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	18.45	19.35	19.36	20.28	21.48	17.37	18.27	18.29	19.20	20.40
	3H	20.12	20.92	21.05	21.86	23.09	18.79	19.59	19.72	20.53	21.76
	4H	20.75	21.51	21.69	22.46	23.69	19.31	20.07	20.25	21.01	22.24
	6H	21.14	21.84	22.09	22.79	24.03	19.63	20.33	20.58	21.28	22.52
	8H	21.28	21.94	22.24	22.91	24.15	19.75	20.42	20.71	21.39	22.63
	12H	21.35	21.98	22.31	22.94	24.21	19.83	20.46	20.79	21.42	22.69
4H	2H	18.86	19.62	19.81	20.57	21.80	18.00	18.76	18.95	19.71	20.94
	3H	20.76	21.39	21.71	22.36	23.61	19.63	20.26	20.58	21.24	22.48
	4H	21.51	22.08	22.47	23.05	24.32	20.23	20.81	21.20	21.78	23.05
	6H	22.01	22.51	22.99	23.50	24.77	20.65	21.15	21.63	22.14	23.41
	8H	22.20	22.67	23.18	23.65	24.94	20.82	21.28	21.80	22.27	23.56
	12H	22.30	22.72	23.30	23.72	25.01	20.93	21.35	21.93	22.35	23.64
8H	4H	21.64	22.10	22.62	23.09	24.37	20.50	20.96	21.48	21.95	23.23
	6H	22.26	22.64	23.26	23.67	24.95	21.03	21.41	22.03	22.44	23.72
	8H	22.53	22.87	23.55	23.89	25.19	21.28	21.62	22.30	22.64	23.94
	12H	22.70	23.00	23.72	24.01	25.35	21.46	21.76	22.48	22.77	24.11
12H	4H	21.61	22.03	22.61	23.04	24.32	20.50	20.92	21.50	21.93	23.21
	6H	22.27	22.61	23.29	23.63	24.93	21.09	21.43	22.10	22.44	23.74
	8H	22.58	22.87	23.59	23.89	25.23	21.37	21.67	22.39	22.68	24.02