

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: P1439263

Luminaire Tested: CB3-085U-120D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439263
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

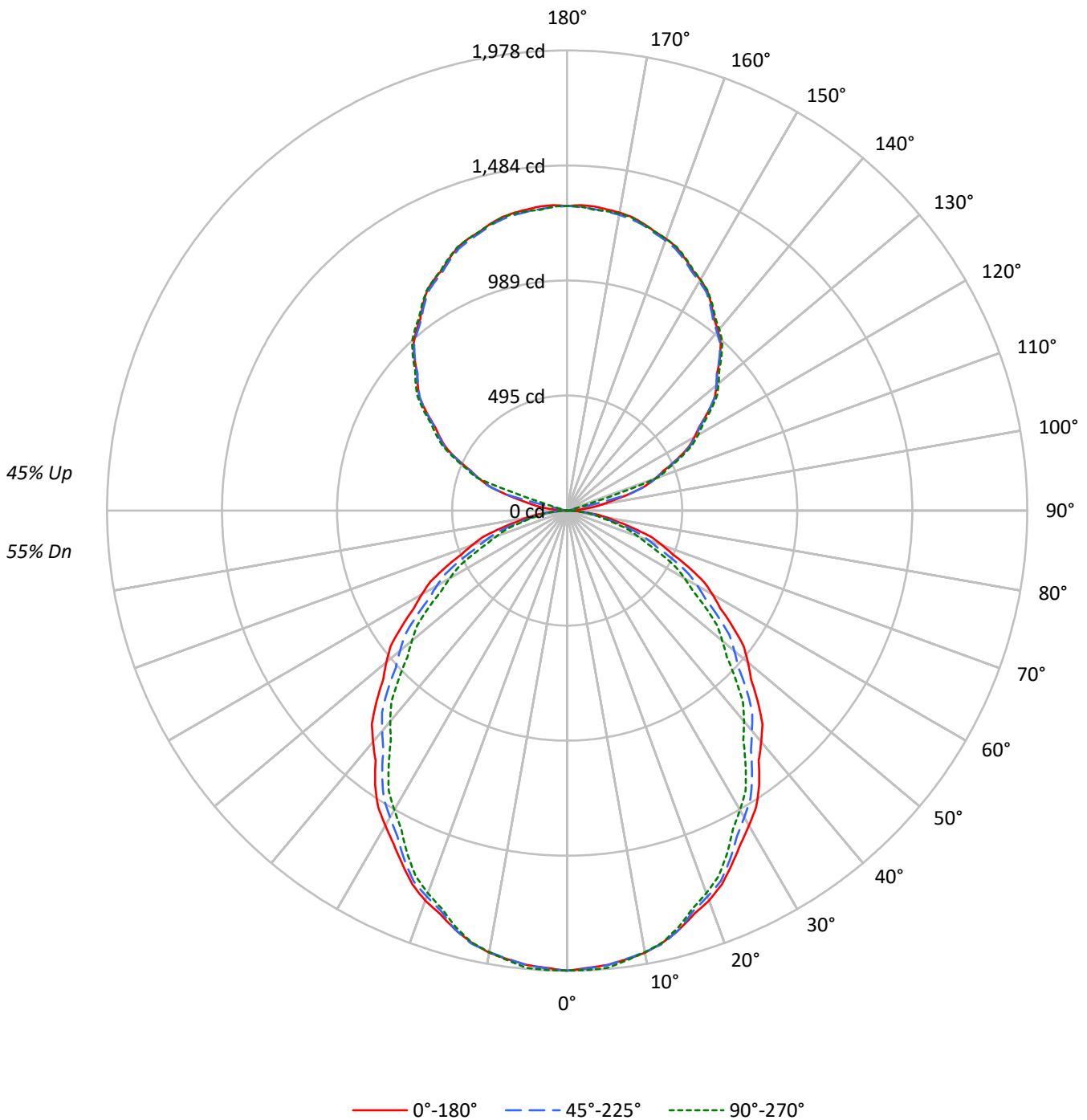
Lumens per Lamp: N/A
Luminaire Lumens: 8598.9 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

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°	22376	22376	22376
5°	22270	22286	22413
10°	22173	22141	22141
15°	21833	21833	21701
20°	21478	21258	21072
25°	20937	20674	20306
30°	20424	19893	19415
35°	19886	19148	18470
40°	19169	18256	17469
45°	18520	17464	16384
50°	17851	16516	15328
55°	17122	15600	14325
60°	16338	14652	13191
65°	15418	13576	11997
70°	14357	12313	10689
75°	13019	10807	9517
80°	11351	9063	8418
85°	8750	7659	7659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18520 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	2.2
10°-20°	524.2	6.1
20°-30°	761.6	8.9
30°-40°	865.9	10.1
40°-50°	840.6	9.8
50°-60°	709.7	8.3
60°-70°	505.0	5.9
70°-80°	269.8	3.1
80°-90°	71.3	0.8
90°-100°	30.2	0.4
100°-110°	219.0	2.5
110°-120°	520.6	6.1
120°-130°	665.1	7.7
130°-140°	717.4	8.3
140°-150°	676.3	7.9
150°-160°	551.7	6.4
160°-170°	359.5	4.2
170°-180°	124.3	1.4
0°-30°	1472.5	17.1
0°-40°	2338.4	27.2
0°-60°	3888.7	45.2
0°-90°	4734.8	55.1
90°-120°	769.8	9.0
90°-150°	2828.6	32.9
90°-180°	3864.0	44.9
0°-180°	8598.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1978	1978	1978	1978	1978	
5°	1961	1986	1962	1960	1973	186
15°	1864	1880	1864	1853	1853	525
25°	1677	1683	1656	1633	1626	773
35°	1440	1426	1386	1345	1337	897
45°	1157	1140	1091	1039	1024	893
55°	868	845	791	740	726	776
65°	576	555	507	462	448	570
75°	298	281	247	222	218	317
85°	67	62	59	59	59	80
90°	0	0	0	1	0	5
95°	55	10	13	14	14	68
105°	277	281	285	21	22	292
115°	520	524	525	533	536	513
125°	739	744	742	750	755	660
135°	928	933	926	932	938	715
145°	1080	1087	1074	1080	1086	676
155°	1197	1206	1190	1193	1201	552
165°	1276	1282	1269	1265	1274	360
175°	1312	1319	1301	1295	1298	125
180°	1309	1309	1309	1309	1309	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1977.6	1977.6	1977.6	1977.6	1977.6
2.5°	1967.5	1987.3	1969.8	1972.1	1976.5
5°	1960.8	1985.5	1962.2	1959.7	1973.4
7.5°	1945.6	1968.1	1943.9	1938.3	1950.7
10°	1929.9	1954.6	1927.1	1920.2	1927.1
12.5°	1901.8	1927.6	1905.7	1894.3	1900.1
15°	1863.9	1880.4	1863.9	1852.6	1852.6
17.5°	1817.5	1834.8	1803.8	1795.8	1792.8
20°	1783.8	1798.9	1765.5	1754.2	1750.1
22.5°	1738.9	1752.9	1725.1	1705.9	1700.7
25°	1677.1	1682.6	1656.0	1633.4	1626.5
27.5°	1615.0	1616.4	1579.9	1552.4	1543.3
30°	1563.3	1564.7	1522.6	1492.9	1486.0
32.5°	1511.6	1507.5	1467.5	1432.3	1427.6
35°	1439.7	1426.0	1386.3	1345.4	1337.2
37.5°	1352.9	1344.6	1297.8	1256.8	1244.5
40°	1297.8	1284.1	1236.0	1195.0	1182.7
42.5°	1242.8	1226.8	1177.6	1132.1	1118.6
45°	1157.4	1139.5	1091.4	1039.0	1023.9
47.5°	1071.4	1051.9	998.9	948.3	931.5
50°	1014.1	993.5	938.3	888.7	870.8
52.5°	955.7	934.0	878.7	828.1	813.5
55°	868.0	844.7	790.8	739.9	726.2
57.5°	780.4	757.3	703.7	655.6	639.1
60°	722.0	700.0	647.5	599.4	582.9
62.5°	662.4	641.5	590.2	543.2	527.8
65°	575.9	555.3	507.1	461.8	448.1
67.5°	490.2	472.6	425.0	383.5	372.5
70°	434.0	417.5	372.2	334.0	323.1
72.5°	380.1	362.5	319.4	286.9	279.2
75°	297.8	281.3	247.2	221.8	217.7
77.5°	222.5	209.0	179.5	165.1	162.9
80°	174.2	161.8	139.1	129.2	129.2
82.5°	129.2	119.1	104.2	100.0	100.0
85°	67.4	61.9	59.0	59.0	59.0
87.5°	20.2	20.2	19.1	18.2	18.0
90°	0.0	0.0	0.0	1.0	0.0
92.5°	15.0	5.7	4.7	5.7	5.5
95°	55.3	9.9	12.8	13.8	13.8
97.5°	111.3	109.2	15.0	18.0	18.2
100°	153.9	158.7	15.8	18.8	19.7
102.5°	201.3	205.3	29.2	19.6	20.5
105°	277.3	281.1	285.1	20.7	21.7
107.5°	352.8	355.7	358.4	322.6	120.8
110°	402.6	405.5	406.5	416.4	418.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	449.1	452.8	454.7	463.0	466.5
115°	520.0	523.8	524.9	532.9	535.8
117.5°	587.3	591.3	593.2	599.6	604.2
120°	631.5	636.3	637.4	645.4	649.2
122.5°	674.9	680.5	680.0	687.2	692.6
125°	739.0	743.8	742.0	750.0	754.8
127.5°	800.0	802.9	798.8	808.6	812.6
130°	838.7	841.6	836.7	845.7	850.5
132.5°	874.2	878.6	873.0	881.2	886.0
135°	928.5	933.3	925.5	932.5	938.3
137.5°	976.8	982.6	973.3	981.5	986.5
140°	1008.4	1014.2	1002.5	1011.5	1017.3
142.5°	1037.6	1044.9	1030.9	1039.1	1045.7
145°	1080.4	1087.2	1073.5	1080.5	1086.3
147.5°	1121.1	1126.8	1113.8	1118.8	1122.8
150°	1145.5	1151.3	1136.6	1141.7	1146.5
152.5°	1165.3	1173.4	1158.7	1162.3	1169.4
155°	1196.8	1206.5	1189.9	1193.1	1200.8
157.5°	1225.8	1234.5	1217.9	1220.7	1227.4
160°	1243.2	1251.9	1235.3	1236.4	1243.2
162.5°	1256.6	1264.5	1250.3	1248.3	1256.6
165°	1275.8	1282.5	1268.9	1265.1	1273.8
167.5°	1291.7	1299.5	1282.7	1279.5	1289.4
170°	1300.4	1308.1	1290.6	1285.9	1296.5
172.5°	1306.0	1312.9	1296.1	1289.8	1298.1
175°	1312.3	1319.0	1301.4	1294.6	1298.5
177.5°	1314.0	1319.4	1305.4	1299.3	1308.5
180°	1309.3	1309.3	1309.3	1309.3	1309.3

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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	18.40	19.30	19.32	20.23	21.43	17.33	18.22	18.24	19.15	20.35
	3H	20.07	20.88	21.00	21.82	23.04	18.74	19.55	19.67	20.49	21.71
	4H	20.71	21.46	21.65	22.41	23.64	19.26	20.02	20.20	20.97	22.20
	6H	21.09	21.79	22.05	22.74	23.99	19.58	20.28	20.53	21.23	22.48
	8H	21.23	21.90	22.19	22.87	24.11	19.70	20.37	20.66	21.34	22.58
	12H	21.30	21.93	22.26	22.90	24.16	19.78	20.41	20.75	21.38	22.64
4H	2H	18.82	19.58	19.76	20.52	21.75	17.96	18.72	18.90	19.66	20.89
	3H	20.71	21.34	21.67	22.32	23.56	19.58	20.21	20.54	21.19	22.43
	4H	21.46	22.04	22.43	23.01	24.28	20.19	20.77	21.15	21.74	23.01
	6H	21.96	22.46	22.94	23.46	24.72	20.60	21.10	21.58	22.09	23.36
	8H	22.16	22.62	23.14	23.61	24.89	20.77	21.24	21.75	22.22	23.51
	12H	22.25	22.67	23.25	23.68	24.97	20.88	21.30	21.88	22.30	23.59
8H	4H	21.59	22.06	22.57	23.04	24.33	20.45	20.92	21.43	21.90	23.19
	6H	22.21	22.60	23.22	23.63	24.91	20.98	21.37	21.99	22.40	23.68
	8H	22.49	22.83	23.50	23.84	25.14	21.23	21.57	22.25	22.59	23.89
	12H	22.65	22.95	23.67	23.96	25.31	21.41	21.71	22.43	22.72	24.07
12H	4H	21.57	21.99	22.57	22.99	24.28	20.46	20.88	21.46	21.88	23.17
	6H	22.23	22.57	23.24	23.58	24.88	21.04	21.38	22.05	22.40	23.70
	8H	22.53	22.83	23.55	23.84	25.18	21.32	21.62	22.34	22.63	23.98