

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: P1439265

Luminaire Tested: CB3-085U-120D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439265
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-927-1D-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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

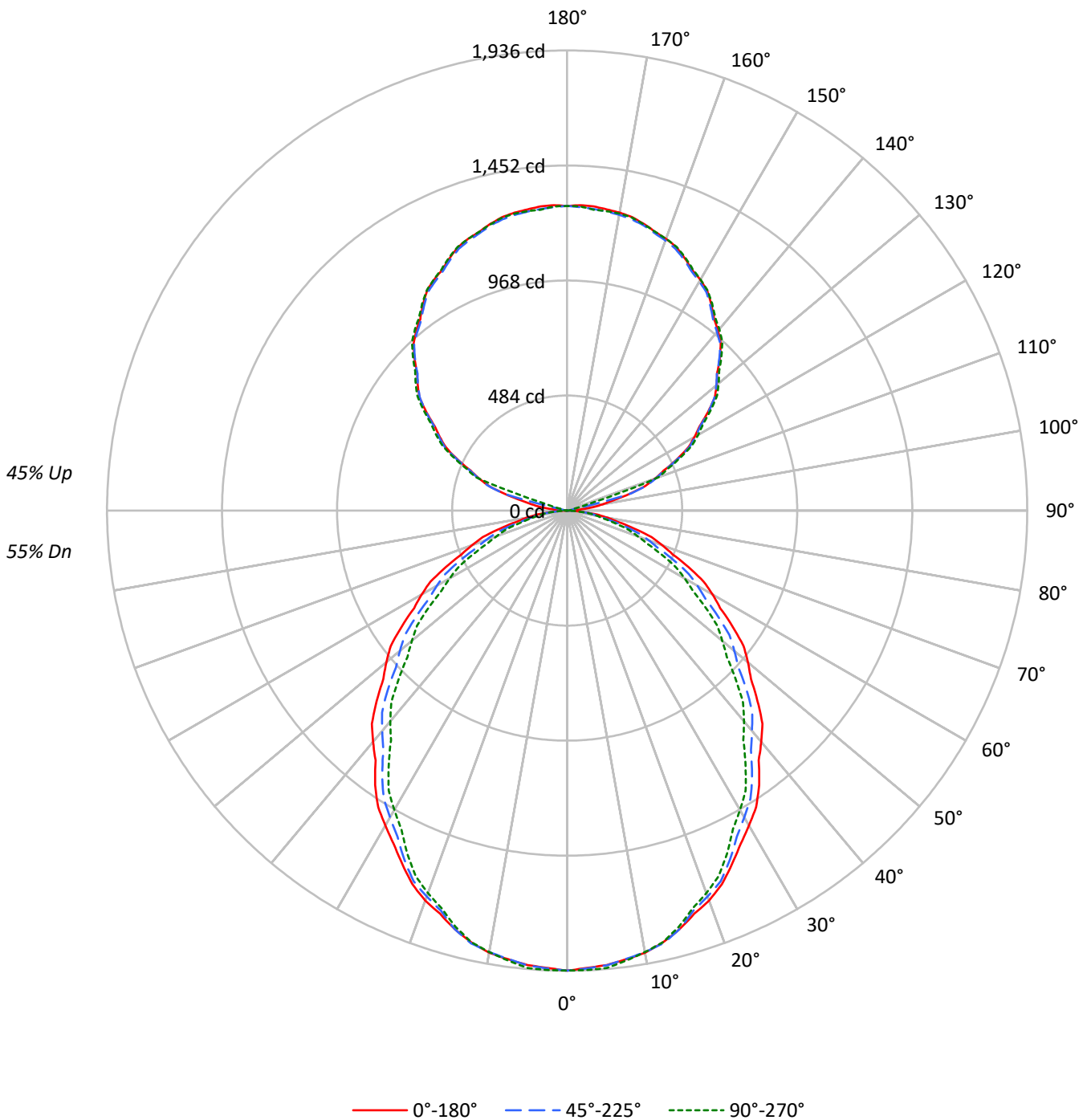
Lumens per Lamp: N/A
Luminaire Lumens: 8415.6 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

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										
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	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°	21899	21899	21899
5°	21796	21812	21936
10°	21701	21668	21668
15°	21367	21367	21238
20°	21021	20805	20623
25°	20490	20233	19872
30°	19989	19468	19002
35°	19462	18741	18076
40°	18761	17867	17095
45°	18125	17091	16035
50°	17470	16164	15002
55°	16758	15266	14020
60°	15990	14340	12910
65°	15089	13285	11740
70°	14053	12052	10460
75°	12739	10575	9316
80°	11109	8868	8242
85°	8568	7491	7491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.6	2.2
10°-20°	513.0	6.1
20°-30°	745.4	8.9
30°-40°	847.5	10.1
40°-50°	822.7	9.8
50°-60°	694.6	8.3
60°-70°	494.2	5.9
70°-80°	264.1	3.1
80°-90°	69.8	0.8
90°-100°	29.6	0.4
100°-110°	214.3	2.5
110°-120°	509.5	6.1
120°-130°	650.9	7.7
130°-140°	702.1	8.3
140°-150°	661.9	7.9
150°-160°	540.0	6.4
160°-170°	351.8	4.2
170°-180°	121.6	1.4
0°-30°	1441.1	17.1
0°-40°	2288.5	27.2
0°-60°	3805.8	45.2
0°-90°	4633.9	55.1
90°-120°	753.4	9.0
90°-150°	2768.3	32.9
90°-180°	3782.0	44.9
0°-180°	8415.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1936	1936	1936	1936	1936	
5°	1919	1943	1920	1918	1931	182
15°	1824	1840	1824	1813	1813	514
25°	1641	1647	1621	1599	1592	756
35°	1409	1396	1357	1317	1309	878
45°	1133	1115	1068	1017	1002	874
55°	850	827	774	724	711	760
65°	564	543	496	452	438	558
75°	291	275	242	217	213	311
85°	66	61	58	58	58	78
90°	0	0	0	1	0	5
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°	1935.5	1935.5	1935.5	1935.5	1935.5
2.5°	1925.6	1944.9	1927.8	1930.1	1934.4
5°	1919.0	1943.2	1920.4	1917.9	1931.4
7.5°	1904.1	1926.2	1902.5	1897.0	1909.1
10°	1888.8	1912.9	1886.0	1879.3	1886.0
12.5°	1861.3	1886.5	1865.1	1854.0	1859.6
15°	1824.1	1840.3	1824.1	1813.1	1813.1
17.5°	1778.8	1795.7	1765.3	1757.5	1754.6
20°	1745.8	1760.6	1727.9	1716.8	1712.8
22.5°	1701.8	1715.5	1688.3	1669.5	1664.4
25°	1641.3	1646.7	1620.7	1598.6	1591.8
27.5°	1580.6	1581.9	1546.2	1519.3	1510.5
30°	1530.0	1531.3	1490.1	1461.1	1454.4
32.5°	1479.4	1475.4	1436.2	1401.8	1397.2
35°	1409.0	1395.6	1356.8	1316.7	1308.7
37.5°	1324.1	1316.0	1270.2	1230.0	1217.9
40°	1270.2	1256.7	1209.7	1169.5	1157.4
42.5°	1216.3	1200.7	1152.5	1107.9	1094.8
45°	1132.7	1115.2	1068.1	1016.9	1002.1
47.5°	1048.6	1029.5	977.6	928.1	911.7
50°	992.5	972.3	918.3	869.7	852.3
52.5°	935.3	914.1	860.0	810.4	796.2
55°	849.5	826.7	773.9	724.1	710.7
57.5°	763.7	741.2	688.7	641.6	625.5
60°	706.6	685.1	633.7	586.6	570.5
62.5°	648.3	627.8	577.6	531.6	516.6
65°	563.6	543.4	496.2	452.0	438.5
67.5°	479.7	462.5	416.0	375.3	364.6
70°	424.8	408.6	364.3	326.9	316.2
72.5°	372.0	354.8	312.6	280.8	273.3
75°	291.4	275.3	241.9	217.1	213.1
77.5°	217.7	204.6	175.7	161.6	159.5
80°	170.5	158.4	136.1	126.5	126.5
82.5°	126.5	116.5	102.0	97.9	97.9
85°	66.0	60.6	57.7	57.7	57.7
87.5°	19.8	19.8	18.7	17.8	17.6
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	18.33	19.23	19.24	20.16	21.36	17.25	18.15	18.17	19.08	20.28
	3H	20.00	20.80	20.92	21.74	22.97	18.67	19.47	19.59	20.41	21.63
	4H	20.63	21.39	21.57	22.34	23.57	19.19	19.95	20.13	20.89	22.12
	6H	21.02	21.72	21.97	22.67	23.91	19.51	20.21	20.46	21.16	22.40
	8H	21.16	21.82	22.12	22.79	24.03	19.63	20.30	20.59	21.27	22.51
	12H	21.22	21.86	22.19	22.82	24.09	19.71	20.34	20.67	21.30	22.57
4H	2H	18.74	19.50	19.69	20.45	21.68	17.88	18.64	18.83	19.59	20.82
	3H	20.63	21.27	21.59	22.24	23.49	19.50	20.14	20.46	21.11	22.36
	4H	21.38	21.96	22.35	22.93	24.20	20.11	20.69	21.08	21.66	22.93
	6H	21.89	22.39	22.87	23.38	24.65	20.53	21.02	21.51	22.02	23.29
	8H	22.08	22.55	23.06	23.53	24.82	20.70	21.16	21.68	22.15	23.43
	12H	22.18	22.60	23.18	23.60	24.89	20.81	21.22	21.81	22.23	23.52
8H	4H	21.52	21.98	22.50	22.97	24.25	20.38	20.84	21.36	21.83	23.11
	6H	22.14	22.52	23.14	23.55	24.83	20.91	21.29	21.91	22.32	23.60
	8H	22.41	22.75	23.43	23.77	25.07	21.16	21.50	22.17	22.52	23.82
	12H	22.58	22.88	23.60	23.89	25.23	21.34	21.64	22.36	22.65	23.99
12H	4H	21.49	21.91	22.49	22.91	24.20	20.38	20.80	21.38	21.80	23.09
	6H	22.15	22.49	23.17	23.51	24.81	20.96	21.30	21.98	22.32	23.62
	8H	22.46	22.75	23.47	23.76	25.11	21.25	21.55	22.27	22.56	23.90