

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: P1439585

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439585
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-120D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

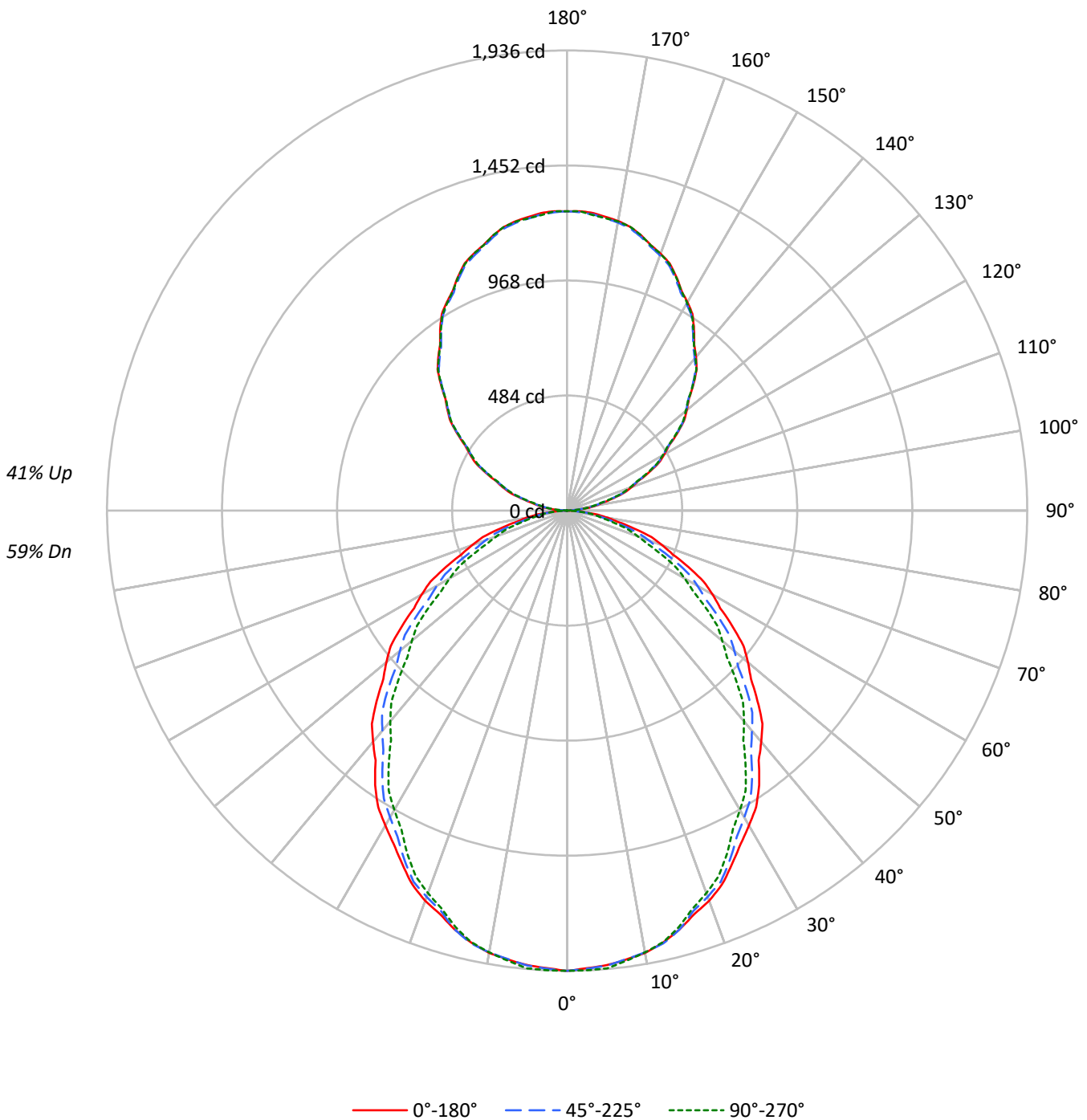
Lumens per Lamp: N/A
Luminaire Lumens: 7880.0 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59
1	100	96	92	88	93	89	86	83	78	75	73	67	65	64	57	56	55	50
2	91	84	78	73	85	78	73	69	68	64	61	59	56	53	51	48	46	42
3	83	74	67	61	78	69	63	58	61	55	51	52	49	45	45	42	40	36
4	76	66	58	52	71	62	54	49	54	48	44	47	43	39	40	37	34	31
5	70	59	50	44	65	55	48	42	48	43	38	42	38	34	36	33	30	27
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	29	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21	19
9	52	40	32	27	49	38	31	26	33	28	24	29	25	21	26	22	19	17
10	49	36	29	24	45	35	28	23	31	25	21	27	23	20	24	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21911	21911	21911
5°	21807	21822	21958
10°	21711	21680	21680
15°	21379	21379	21250
20°	21033	20817	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°	182.7	2.3
10°-20°	513.3	6.5
20°-30°	745.5	9.5
30°-40°	847.5	10.8
40°-50°	822.7	10.4
50°-60°	694.6	8.8
60°-70°	494.2	6.3
70°-80°	264.1	3.4
80°-90°	69.8	0.9
90°-100°	53.2	0.7
100°-110°	208.2	2.6
110°-120°	371.1	4.7
120°-130°	502.2	6.4
130°-140°	577.3	7.3
140°-150°	579.3	7.4
150°-160°	498.2	6.3
160°-170°	337.2	4.3
170°-180°	118.9	1.5
0°-30°	1441.5	18.3
0°-40°	2289.0	29.0
0°-60°	3806.3	48.3
0°-90°	4634.3	58.8
90°-120°	632.5	8.0
90°-150°	2291.3	29.1
90°-180°	3246.0	41.2
0°-180°	7880.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1936	1936	1936	1936	1936	
5°	1920	1944	1921	1919	1933	182
15°	1825	1841	1825	1814	1814	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	0	0	5
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°	1936.5	1936.5	1936.5	1936.5	1936.5
2.5°	1926.6	1945.9	1928.8	1931.1	1935.4
5°	1920.0	1944.2	1921.3	1918.9	1933.3
7.5°	1905.1	1927.2	1903.5	1898.0	1910.1
10°	1889.7	1913.9	1887.0	1880.2	1887.0
12.5°	1862.2	1887.5	1866.1	1854.9	1860.6
15°	1825.1	1841.2	1825.1	1814.1	1814.1
17.5°	1779.7	1796.7	1766.3	1758.5	1755.4
20°	1746.8	1761.5	1728.9	1717.8	1712.8
22.5°	1702.8	1716.5	1689.3	1669.7	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	17.6	17.6
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	18.65	19.58	19.53	20.48	21.62	17.57	18.51	18.45	19.40	20.54
	3H	20.32	21.16	21.21	22.07	23.23	18.99	19.83	19.88	20.74	21.90
	4H	20.96	21.75	21.86	22.66	23.84	19.51	20.30	20.42	21.22	22.39
	6H	21.34	22.07	22.26	22.99	24.18	19.83	20.56	20.75	21.48	22.67
	8H	21.48	22.18	22.41	23.12	24.30	19.96	20.65	20.89	21.59	22.78
	12H	21.55	22.21	22.49	23.15	24.36	20.04	20.70	20.97	21.63	22.84
4H	2H	19.07	19.86	19.98	20.77	21.95	18.21	19.00	19.12	19.91	21.09
	3H	20.96	21.62	21.89	22.57	23.76	19.83	20.49	20.76	21.44	22.63
	4H	21.71	22.32	22.65	23.26	24.47	20.44	21.04	21.38	21.98	23.20
	6H	22.22	22.74	23.17	23.70	24.92	20.86	21.38	21.81	22.34	23.56
	8H	22.41	22.90	23.36	23.86	25.09	21.03	21.52	21.98	22.47	23.70
	12H	22.52	22.95	23.48	23.93	25.16	21.14	21.58	22.11	22.55	23.79
8H	4H	21.85	22.33	22.80	23.29	24.52	20.71	21.19	21.66	22.15	23.38
	6H	22.47	22.87	23.45	23.87	25.10	21.24	21.64	22.22	22.64	23.87
	8H	22.75	23.10	23.73	24.09	25.34	21.50	21.85	22.48	22.84	24.08
	12H	22.92	23.23	23.90	24.21	25.50	21.67	21.99	22.66	22.97	24.26
12H	4H	21.83	22.26	22.80	23.24	24.47	20.72	21.15	21.69	22.13	23.36
	6H	22.49	22.84	23.47	23.83	25.08	21.30	21.65	22.28	22.64	23.89
	8H	22.79	23.10	23.78	24.08	25.38	21.59	21.90	22.57	22.88	24.17