

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: P1439242

Luminaire Tested: CB3-085U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439242
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-055D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

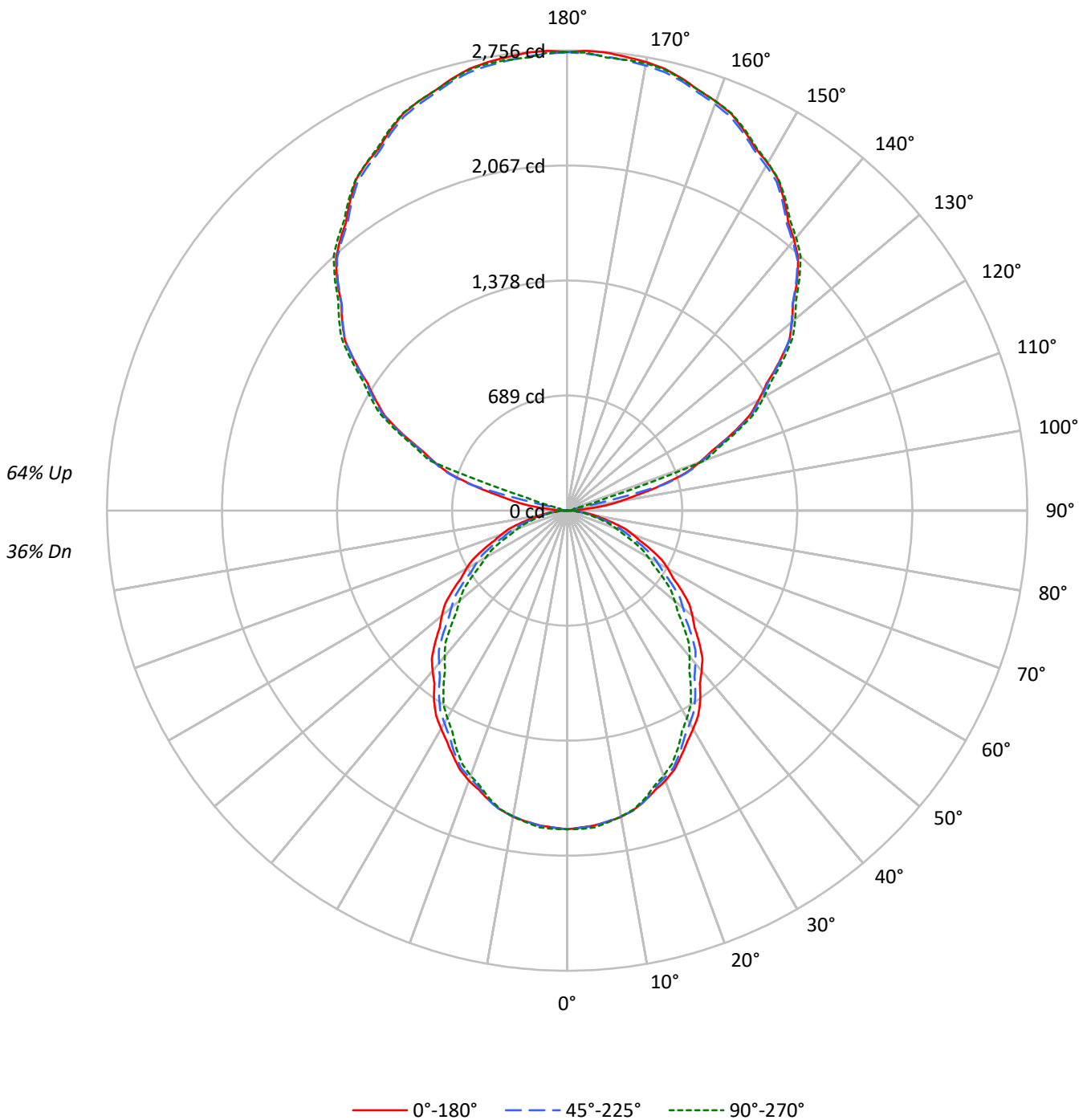
Lumens per Lamp: N/A
Luminaire Lumens: 12674.7 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 89.1
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										
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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36																				
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	38	38	37	31																				
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	33	31	26																				
3	79	70	63	57	71	63	57	52	51	47	44	40	37	35	30	28	27	22																				
4	72	62	54	48	65	56	50	44	46	41	37	36	33	30	27	25	23	19																				
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17																				
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15																				
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13																				
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12																				
9	49	37	29	24	44	34	27	23	28	23	19	22	19	16	17	15	13	11																				
10	45	34	27	22	41	31	25	20	26	21	17	21	17	15	16	13	12	10																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10799	10799	10799
5°	10748	10756	10818
10°	10701	10685	10685
15°	10537	10537	10474
20°	10366	10260	10170
25°	10105	9977	9800
30°	9857	9601	9370
35°	9598	9241	8914
40°	9251	8811	8431
45°	8938	8428	7908
50°	8615	7971	7398
55°	8264	7529	6913
60°	7885	7072	6366
65°	7441	6551	5790
70°	6929	5943	5157
75°	6282	5215	4592
80°	5477	4372	4063
85°	4226	3693	3693

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8938 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.1	1.4
10°-20°	506.0	4.0
20°-30°	735.2	5.8
30°-40°	835.8	6.6
40°-50°	811.4	6.4
50°-60°	685.1	5.4
60°-70°	487.4	3.8
70°-80°	260.4	2.1
80°-90°	68.9	0.5
90°-100°	63.4	0.5
100°-110°	459.3	3.6
110°-120°	1091.9	8.6
120°-130°	1395.0	11.0
130°-140°	1504.7	11.9
140°-150°	1418.5	11.2
150°-160°	1157.1	9.1
160°-170°	754.0	5.9
170°-180°	260.6	2.1
0°-30°	1421.3	11.2
0°-40°	2257.1	17.8
0°-60°	3753.6	29.6
0°-90°	4570.3	36.1
90°-120°	1614.6	12.7
90°-150°	5932.7	46.8
90°-180°	8104.0	63.9
0°-180°	12674.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1909	1909	1909	1909	1909	
5°	1893	1916	1894	1892	1905	180
15°	1799	1815	1799	1788	1788	507
25°	1619	1624	1598	1577	1570	746
35°	1390	1376	1338	1299	1291	866
45°	1117	1100	1053	1003	988	862
55°	838	815	763	714	701	749
65°	556	536	489	446	432	551
75°	287	272	239	214	210	306
85°	65	60	57	57	57	77
90°	0	0	0	2	0	7
95°	116	21	27	29	29	143
105°	582	590	598	44	46	613
115°	1091	1099	1101	1118	1124	1076
125°	1550	1560	1556	1573	1583	1383
135°	1947	1957	1941	1956	1968	1500
145°	2266	2280	2252	2266	2278	1418
155°	2510	2530	2496	2502	2518	1158
165°	2676	2690	2661	2653	2672	756
175°	2752	2766	2730	2715	2723	262
180°	2746	2746	2746	2746	2746	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1908.9	1908.9	1908.9	1908.9	1908.9
2.5°	1899.2	1918.2	1901.3	1903.6	1907.8
5°	1892.6	1916.5	1894.0	1891.6	1904.9
7.5°	1878.0	1899.7	1876.4	1871.0	1882.9
10°	1862.8	1886.7	1860.1	1853.5	1860.1
12.5°	1835.7	1860.6	1839.5	1828.5	1834.1
15°	1799.1	1815.0	1799.1	1788.3	1788.3
17.5°	1754.4	1771.1	1741.1	1733.4	1730.5
20°	1721.8	1736.4	1704.2	1693.3	1689.3
22.5°	1678.4	1692.0	1665.2	1646.6	1641.6
25°	1618.8	1624.1	1598.4	1576.6	1570.0
27.5°	1558.9	1560.2	1525.0	1498.5	1489.7
30°	1509.0	1510.3	1469.7	1441.0	1434.4
32.5°	1459.1	1455.1	1416.5	1382.5	1378.0
35°	1389.7	1376.4	1338.1	1298.6	1290.7
37.5°	1305.9	1297.9	1252.7	1213.1	1201.2
40°	1252.7	1239.5	1193.1	1153.5	1141.6
42.5°	1199.6	1184.2	1136.7	1092.7	1079.7
45°	1117.2	1099.9	1053.4	1002.9	988.4
47.5°	1034.2	1015.4	964.2	915.3	899.1
50°	978.9	959.0	905.7	857.8	840.6
52.5°	922.5	901.5	848.2	799.3	785.3
55°	837.9	815.3	763.3	714.2	700.9
57.5°	753.3	731.0	679.2	632.8	616.9
60°	696.9	675.7	625.0	578.6	562.6
62.5°	639.4	619.2	569.7	524.3	509.5
65°	555.9	536.0	489.4	445.7	432.5
67.5°	473.2	456.2	410.3	370.2	359.5
70°	418.9	403.0	359.3	322.4	311.8
72.5°	366.9	349.9	308.3	276.9	269.5
75°	287.4	271.5	238.6	214.1	210.1
77.5°	214.8	201.8	173.3	159.4	157.3
80°	168.1	156.2	134.2	124.7	124.7
82.5°	124.7	114.9	100.6	96.5	96.5
85°	65.1	59.8	56.9	56.9	56.9
87.5°	19.5	19.5	18.4	17.8	17.4
90°	0.0	0.0	0.0	2.0	0.0
92.5°	31.5	12.0	9.9	12.0	11.6
95°	115.9	20.8	26.9	29.0	29.0
97.5°	233.4	229.0	31.5	37.7	38.1
100°	322.8	332.9	33.1	39.4	41.4
102.5°	422.2	430.7	61.3	41.0	43.0
105°	581.5	589.6	598.1	43.5	45.5
107.5°	740.0	746.1	751.6	676.6	253.3
110°	844.3	850.4	852.6	873.4	877.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	942.0	949.7	953.6	971.1	978.4
115°	1090.6	1098.7	1100.9	1117.6	1123.7
117.5°	1231.7	1240.2	1244.1	1257.6	1267.3
120°	1324.4	1334.5	1336.8	1353.6	1361.7
122.5°	1415.5	1427.2	1426.2	1441.4	1452.7
125°	1550.0	1560.1	1556.2	1573.0	1583.1
127.5°	1677.9	1683.9	1675.4	1695.9	1704.4
130°	1759.0	1765.1	1754.9	1773.7	1783.8
132.5°	1833.5	1842.8	1831.0	1848.2	1858.3
135°	1947.3	1957.4	1941.1	1955.9	1968.0
137.5°	2048.7	2060.9	2041.3	2058.5	2069.0
140°	2114.9	2127.1	2102.5	2121.4	2133.6
142.5°	2176.2	2191.6	2162.1	2179.4	2193.2
145°	2266.0	2280.2	2251.5	2266.3	2278.4
147.5°	2351.3	2363.4	2336.0	2346.5	2355.0
150°	2402.6	2414.7	2384.0	2394.5	2404.7
152.5°	2444.0	2461.0	2430.3	2437.7	2452.7
155°	2510.2	2530.4	2495.7	2502.3	2518.5
157.5°	2571.0	2589.2	2554.5	2560.2	2574.3
160°	2607.5	2625.7	2590.9	2593.3	2607.5
162.5°	2635.6	2652.2	2622.4	2618.2	2635.6
165°	2675.7	2689.9	2661.3	2653.4	2671.6
167.5°	2709.3	2725.5	2690.2	2683.7	2704.3
170°	2727.5	2743.7	2706.8	2696.9	2719.2
172.5°	2739.1	2753.6	2718.4	2705.1	2722.5
175°	2752.3	2766.5	2729.6	2715.3	2723.3
177.5°	2756.0	2767.4	2737.8	2725.0	2744.5
180°	2746.1	2746.1	2746.1	2746.1	2746.1



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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	13.97	14.71	15.04	15.78	17.24	12.89	13.63	13.96	14.70	16.16
	3H	15.62	16.29	16.70	17.37	18.84	14.29	14.96	15.37	16.04	17.51
	4H	16.25	16.88	17.34	17.96	19.44	14.80	15.43	15.89	16.51	18.00
	6H	16.63	17.21	17.73	18.29	19.79	15.12	15.69	16.22	16.78	18.27
	8H	16.76	17.31	17.86	18.41	19.90	15.24	15.79	16.34	16.89	18.37
	12H	16.82	17.35	17.93	18.44	19.95	15.31	15.83	16.41	16.92	18.43
4H	2H	14.36	14.99	15.46	16.07	17.55	13.50	14.13	14.60	15.21	16.69
	3H	16.24	16.76	17.34	17.87	19.37	15.11	15.63	16.21	16.74	18.24
	4H	16.98	17.46	18.09	18.56	20.08	15.71	16.19	16.82	17.29	18.81
	6H	17.48	17.89	18.59	19.01	20.52	16.12	16.53	17.23	17.65	19.16
	8H	17.67	18.05	18.78	19.16	20.69	16.28	16.67	17.40	17.78	19.31
	12H	17.76	18.11	18.89	19.23	20.76	16.38	16.73	17.52	17.86	19.39
8H	4H	17.10	17.49	18.22	18.60	20.12	15.96	16.35	17.08	17.46	18.98
	6H	17.72	18.03	18.85	19.19	20.71	16.49	16.80	17.62	17.96	19.48
	8H	17.99	18.27	19.13	19.40	20.95	16.74	17.02	17.88	18.15	19.69
	12H	18.15	18.39	19.30	19.53	21.10	16.91	17.15	18.06	18.28	19.86
12H	4H	17.07	17.42	18.20	18.54	20.07	15.96	16.31	17.09	17.43	18.96
	6H	17.73	18.01	18.88	19.15	20.69	16.54	16.82	17.69	17.96	19.50
	8H	18.03	18.27	19.17	19.40	20.98	16.82	17.06	17.97	18.19	19.77