

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: P1439244

Luminaire Tested: CB3-085U-055D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439244
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

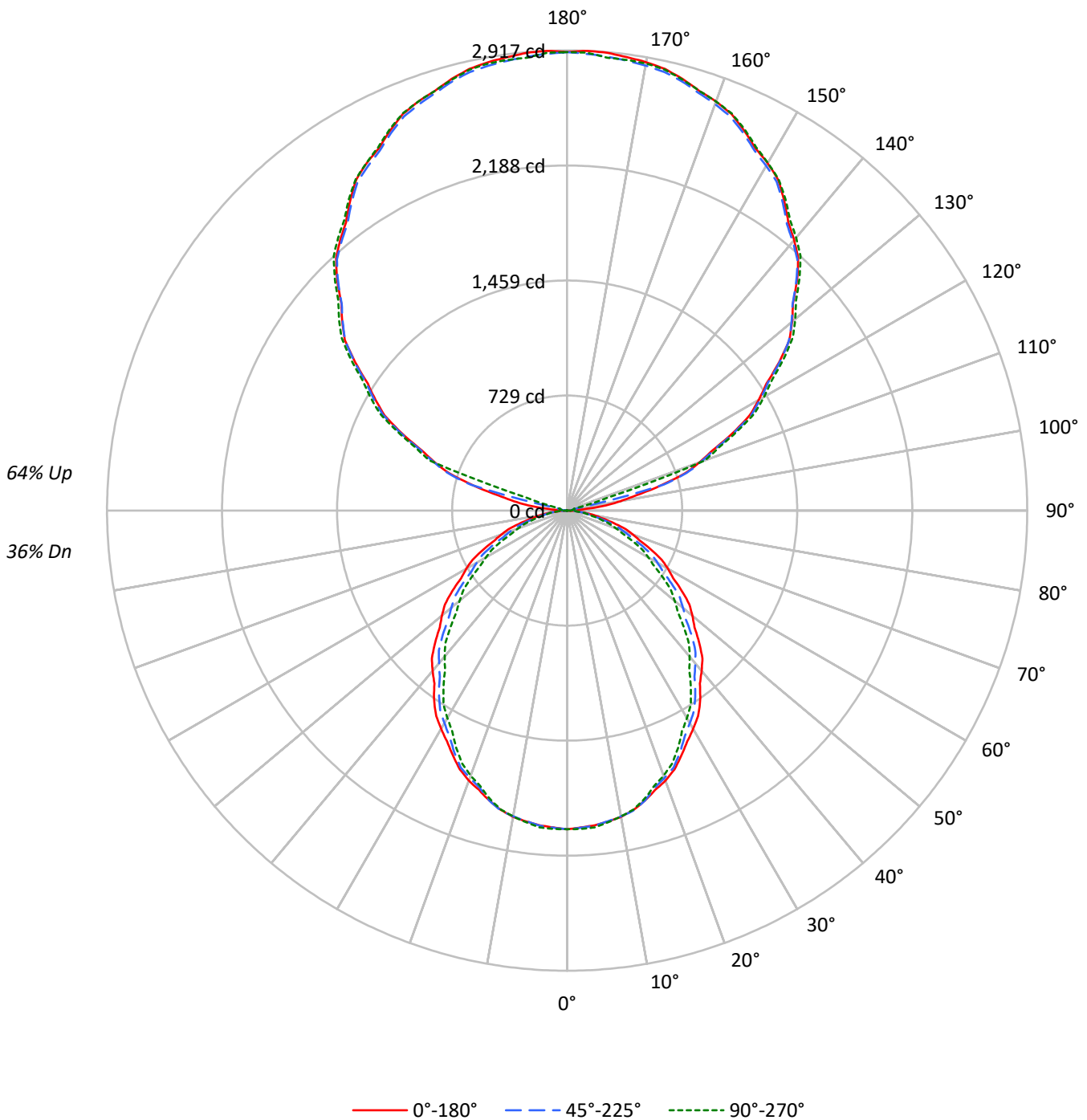
Lumens per Lamp: N/A
Luminaire Lumens: 13414.0 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 89.1
Input Voltage (V): 120
Input Current (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	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°	11429	11429	11429
5°	11375	11383	11449
10°	11325	11309	11309
15°	11151	11151	11085
20°	10971	10858	10763
25°	10694	10560	10372
30°	10432	10161	9917
35°	10157	9781	9434
40°	9791	9325	8922
45°	9459	8920	8369
50°	9118	8436	7830
55°	8746	7967	7317
60°	8344	7485	6738
65°	7875	6934	6127
70°	7334	6289	5458
75°	6649	5519	4861
80°	5796	4626	4300
85°	4472	3914	3914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	1.4
10°-20°	535.5	4.0
20°-30°	778.0	5.8
30°-40°	884.6	6.6
40°-50°	858.7	6.4
50°-60°	725.0	5.4
60°-70°	515.8	3.8
70°-80°	275.6	2.1
80°-90°	72.9	0.5
90°-100°	67.1	0.5
100°-110°	486.0	3.6
110°-120°	1155.6	8.6
120°-130°	1476.3	11.0
130°-140°	1592.4	11.9
140°-150°	1501.2	11.2
150°-160°	1224.6	9.1
160°-170°	797.9	5.9
170°-180°	275.8	2.1
0°-30°	1504.2	11.2
0°-40°	2388.8	17.8
0°-60°	3972.5	29.6
0°-90°	4836.9	36.1
90°-120°	1708.7	12.7
90°-150°	6278.7	46.8
90°-180°	8577.0	63.9
0°-180°	13414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2020	2020	2020	2020	2020	
5°	2003	2028	2004	2002	2016	190
15°	1904	1921	1904	1893	1893	536
25°	1713	1719	1692	1669	1662	789
35°	1471	1457	1416	1374	1366	916
45°	1182	1164	1115	1061	1046	912
55°	887	863	808	756	742	793
65°	588	567	518	472	458	583
75°	304	287	252	227	222	324
85°	69	63	60	60	60	82
90°	0	0	0	2	0	7
95°	123	22	28	31	31	151
105°	615	624	633	46	48	649
115°	1154	1163	1165	1183	1189	1139
125°	1640	1651	1647	1665	1675	1464
135°	2061	2072	2054	2070	2083	1587
145°	2398	2413	2383	2398	2411	1501
155°	2657	2678	2641	2648	2665	1225
165°	2832	2847	2816	2808	2827	800
175°	2913	2928	2889	2874	2882	277
180°	2906	2906	2906	2906	2906	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2020.3	2020.3	2020.3	2020.3	2020.3
2.5°	2009.9	2030.1	2012.2	2014.6	2019.1
5°	2003.0	2028.3	2004.5	2001.9	2016.0
7.5°	1987.6	2010.6	1985.8	1980.1	1992.7
10°	1971.5	1996.7	1968.6	1961.6	1968.6
12.5°	1942.8	1969.2	1946.8	1935.2	1941.1
15°	1904.0	1920.9	1904.0	1892.6	1892.6
17.5°	1856.7	1874.4	1842.6	1834.5	1831.4
20°	1822.3	1837.7	1803.6	1792.0	1787.8
22.5°	1776.3	1790.7	1762.3	1742.6	1737.3
25°	1713.2	1718.8	1691.7	1668.6	1661.6
27.5°	1649.8	1651.2	1613.9	1585.9	1576.6
30°	1597.0	1598.4	1555.4	1525.1	1518.1
32.5°	1544.2	1540.0	1499.1	1463.1	1458.4
35°	1470.7	1456.7	1416.2	1374.4	1366.0
37.5°	1382.0	1373.6	1325.8	1283.9	1271.3
40°	1325.8	1311.8	1262.7	1220.8	1208.1
42.5°	1269.6	1253.3	1203.0	1156.5	1142.7
45°	1182.3	1164.1	1114.9	1061.4	1046.0
47.5°	1094.5	1074.6	1020.5	968.7	951.6
50°	1036.0	1014.9	958.5	907.8	889.6
52.5°	976.3	954.1	897.6	845.9	831.1
55°	886.7	862.9	807.8	755.8	741.8
57.5°	797.2	773.6	718.9	669.7	652.9
60°	737.5	715.1	661.5	612.3	595.5
62.5°	676.7	655.3	602.9	554.9	539.2
65°	588.3	567.2	518.0	471.7	457.7
67.5°	500.8	482.8	434.2	391.7	380.5
70°	443.4	426.5	380.2	341.2	330.0
72.5°	388.3	370.3	326.3	293.1	285.2
75°	304.2	287.4	252.5	226.6	222.4
77.5°	227.3	213.5	183.4	168.7	166.4
80°	177.9	165.3	142.0	132.0	132.0
82.5°	132.0	121.6	106.5	102.2	102.2
85°	68.9	63.3	60.3	60.3	60.3
87.5°	20.7	20.7	19.5	18.8	18.4
90°	0.0	0.0	0.0	2.1	0.0
92.5°	33.3	12.7	10.5	12.7	12.3
95°	122.6	22.0	28.5	30.7	30.7
97.5°	247.0	242.3	33.3	39.9	40.3
100°	341.7	352.4	35.0	41.7	43.8
102.5°	446.8	455.8	64.8	43.4	45.6
105°	615.4	624.0	632.9	46.0	48.2
107.5°	783.2	789.6	795.5	716.1	268.1
110°	893.6	900.0	902.3	924.3	928.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	996.9	1005.1	1009.2	1027.8	1035.5
115°	1154.2	1162.8	1165.1	1182.8	1189.2
117.5°	1303.6	1312.6	1316.7	1330.9	1341.2
120°	1401.7	1412.4	1414.8	1432.5	1441.1
122.5°	1498.0	1510.5	1509.4	1525.5	1537.5
125°	1640.4	1651.1	1647.0	1664.7	1675.4
127.5°	1775.7	1782.2	1773.1	1794.8	1803.8
130°	1861.6	1868.0	1857.2	1877.2	1887.9
132.5°	1940.4	1950.3	1937.8	1956.0	1966.7
135°	2060.9	2071.6	2054.3	2070.0	2082.8
137.5°	2168.2	2181.1	2160.3	2178.5	2189.7
140°	2238.3	2251.2	2225.2	2245.2	2258.0
142.5°	2303.1	2319.4	2288.2	2306.5	2321.1
145°	2398.2	2413.2	2382.8	2398.5	2411.3
147.5°	2488.4	2501.3	2472.2	2483.4	2492.4
150°	2542.7	2555.6	2523.0	2534.2	2544.9
152.5°	2586.5	2604.5	2572.1	2579.9	2595.7
155°	2656.6	2678.0	2641.3	2648.2	2665.4
157.5°	2721.0	2740.3	2703.5	2709.5	2724.5
160°	2759.5	2778.8	2742.0	2744.6	2759.5
162.5°	2789.3	2806.9	2775.3	2770.9	2789.3
165°	2831.8	2846.8	2816.5	2808.2	2827.4
167.5°	2867.3	2884.4	2847.2	2840.2	2862.0
170°	2886.6	2903.7	2864.7	2854.3	2877.8
172.5°	2898.8	2914.3	2876.9	2862.9	2881.3
175°	2912.9	2927.8	2888.8	2873.6	2882.2
177.5°	2916.8	2928.8	2897.5	2884.0	2904.5
180°	2906.3	2906.3	2906.3	2906.3	2906.3



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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	14.16	14.90	15.23	15.97	17.43	13.09	13.83	14.16	14.90	16.36
	3H	15.82	16.48	16.90	17.56	19.04	14.49	15.15	15.57	16.23	17.71
	4H	16.45	17.07	17.54	18.16	19.64	15.00	15.63	16.09	16.71	18.19
	6H	16.82	17.40	17.92	18.49	19.98	15.31	15.89	16.41	16.98	18.47
	8H	16.96	17.51	18.06	18.61	20.10	15.43	15.98	16.54	17.08	18.57
	12H	17.02	17.54	18.13	18.64	20.15	15.50	16.03	16.61	17.12	18.63
4H	2H	14.56	15.19	15.65	16.27	17.75	13.70	14.33	14.80	15.41	16.89
	3H	16.44	16.96	17.54	18.07	19.56	15.31	15.83	16.41	16.94	18.43
	4H	17.18	17.66	18.29	18.76	20.27	15.91	16.39	17.02	17.49	19.00
	6H	17.67	18.09	18.79	19.21	20.72	16.31	16.73	17.43	17.85	19.35
	8H	17.86	18.25	18.98	19.36	20.89	16.48	16.87	17.60	17.98	19.50
	12H	17.95	18.30	19.09	19.43	20.96	16.58	16.93	17.71	18.05	19.58
8H	4H	17.30	17.68	18.41	18.80	20.32	16.16	16.54	17.28	17.66	19.18
	6H	17.91	18.23	19.05	19.39	20.91	16.68	17.00	17.82	18.16	19.68
	8H	18.19	18.47	19.33	19.60	21.14	16.93	17.21	18.08	18.35	19.89
	12H	18.35	18.59	19.49	19.72	21.30	17.11	17.35	18.25	18.48	20.06
12H	4H	17.27	17.61	18.40	18.74	20.27	16.16	16.50	17.29	17.63	19.16
	6H	17.93	18.21	19.07	19.34	20.88	16.74	17.02	17.88	18.15	19.69
	8H	18.22	18.47	19.37	19.60	21.18	17.02	17.26	18.16	18.39	19.97