

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: P1438680

Luminaire Tested: CB2-055U-085D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438680  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-055U-085D-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

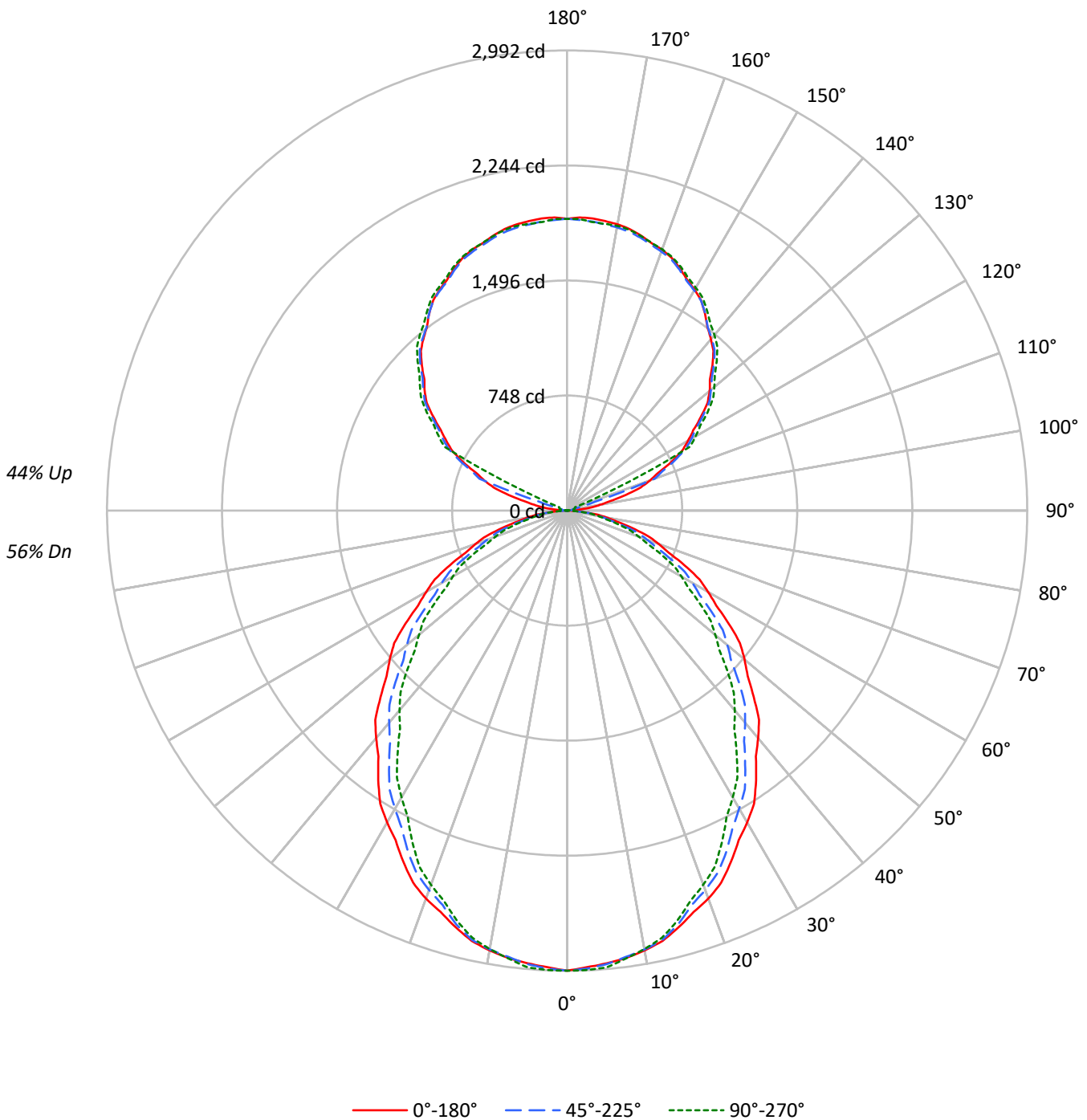
Lumens per Lamp: N/A  
Luminaire Lumens: 12384.7 lumens  
Efficiency: N/A  
Efficacy: 132.0 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 93.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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									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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56																			
1	99	95	91	88	92	89	85	82	76	74	72	65	64	62	55	54	53	48																			
2	91	83	77	72	84	78	72	68	67	63	60	58	55	52	49	47	45	40																			
3	83	73	66	60	77	69	62	57	60	55	51	51	47	44	43	41	38	34																			
4	76	65	57	51	70	61	54	49	53	48	43	46	42	38	39	36	33	30																			
5	70	58	50	44	65	55	47	42	48	42	37	41	37	33	35	32	29	26																			
6	64	52	44	38	60	49	42	37	43	37	33	37	33	29	32	28	26	23																			
7	60	47	39	34	55	45	37	32	39	33	29	34	29	26	29	26	23	20																			
8	55	43	35	30	52	41	34	29	36	30	26	31	27	23	27	23	21	18																			
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	17																			
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	26054	26054	26054
5°	25833	25874	26054
10°	25686	25625	25605
15°	25280	25115	24908
20°	24882	24329	23990
25°	24213	23530	22870
30°	23543	22506	21653
35°	22771	21456	20432
40°	21953	20469	19272
45°	21132	19438	18141
50°	20390	18435	17038
55°	19477	17391	15998
60°	18433	16398	14961
65°	17324	15294	13926
70°	16097	14058	12599
75°	14643	12719	11407
80°	13094	11144	10341
85°	10072	9153	7554

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21132 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.3	2.3
10°-20°	784.2	6.3
20°-30°	1127.6	9.1
30°-40°	1267.4	10.2
40°-50°	1224.3	9.9
50°-60°	1034.5	8.4
60°-70°	743.0	6.0
70°-80°	406.1	3.3
80°-90°	108.0	0.9
90°-100°	33.1	0.3
100°-110°	210.4	1.7
110°-120°	668.4	5.4
120°-130°	970.0	7.8
130°-140°	1043.2	8.4
140°-150°	982.2	7.9
150°-160°	800.1	6.5
160°-170°	520.8	4.2
170°-180°	180.0	1.5
0°-30°	2193.2	17.7
0°-40°	3460.6	27.9
0°-60°	5719.4	46.2
0°-90°	6976.5	56.3
90°-120°	911.9	7.4
90°-150°	3907.2	31.5
90°-180°	5408.0	43.7
0°-180°	12384.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2992	2992	2992	2992	2992	
5°	2955	2995	2960	2960	2980	281
15°	2804	2828	2786	2758	2763	790
25°	2520	2522	2449	2394	2380	1160
35°	2142	2117	2018	1940	1922	1338
45°	1716	1680	1578	1495	1473	1326
55°	1283	1236	1145	1074	1054	1147
65°	841	809	742	689	676	834
75°	435	408	378	348	339	466
85°	101	94	92	80	76	120
90°	0	0	0	1	1	7
95°	75	22	23	15	14	96
105°	395	410	41	48	51	416
115°	747	764	771	780	447	735
125°	1062	1080	1081	1099	1114	949
135°	1336	1352	1350	1358	1376	1030
145°	1563	1576	1565	1567	1587	977
155°	1736	1747	1728	1724	1749	800
165°	1851	1857	1838	1830	1849	523
175°	1906	1910	1886	1874	1883	181
180°	1897	1897	1897	1897	1897	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2991.7	2991.7	2991.7	2991.7	2991.7
2.5°	2971.6	3007.4	2980.7	2984.5	2989.9
5°	2955.1	2995.4	2959.7	2960.1	2980.3
7.5°	2934.0	2972.1	2927.1	2918.9	2937.7
10°	2904.7	2942.8	2897.8	2882.1	2895.5
12.5°	2866.2	2902.5	2859.3	2834.4	2846.0
15°	2803.9	2828.5	2785.6	2758.2	2762.7
17.5°	2736.1	2751.3	2689.4	2666.3	2661.9
20°	2684.8	2698.2	2625.2	2593.0	2588.6
22.5°	2618.8	2630.4	2553.7	2514.2	2507.9
25°	2519.8	2522.1	2448.8	2393.5	2380.1
27.5°	2416.3	2409.1	2327.9	2262.4	2244.9
30°	2341.2	2332.2	2238.1	2169.0	2153.3
32.5°	2260.5	2244.4	2150.1	2075.5	2059.8
35°	2141.9	2117.2	2018.2	1939.9	1921.9
37.5°	2015.4	1987.6	1890.3	1805.1	1785.0
40°	1931.1	1899.8	1800.5	1715.3	1695.2
42.5°	1846.8	1811.9	1710.7	1625.5	1603.5
45°	1715.8	1679.9	1578.3	1495.4	1473.0
47.5°	1591.2	1545.5	1446.8	1364.3	1341.9
50°	1505.0	1455.8	1360.7	1280.0	1257.6
52.5°	1417.1	1366.0	1274.6	1197.6	1175.2
55°	1282.8	1235.8	1145.4	1073.9	1053.7
57.5°	1150.0	1104.7	1022.1	953.9	934.2
60°	1058.3	1020.3	941.5	877.0	859.0
62.5°	970.4	935.9	860.9	801.8	783.9
65°	840.7	809.4	742.2	689.2	675.8
67.5°	714.7	683.4	629.0	581.5	566.3
70°	632.2	600.9	552.1	508.2	494.8
72.5°	553.4	520.3	480.6	440.5	430.7
75°	435.2	408.4	378.0	348.0	339.0
77.5°	330.8	304.8	282.7	261.6	259.3
80°	261.1	238.7	222.2	208.4	206.2
82.5°	195.2	178.1	167.2	157.1	156.7
85°	100.8	94.1	91.6	80.1	75.6
87.5°	29.3	29.3	25.7	22.3	22.3
90°	0.0	0.0	0.0	1.4	1.4
92.5°	20.8	8.0	5.5	8.0	8.0
95°	75.4	21.8	23.3	15.1	13.7
97.5°	156.6	35.1	33.7	37.1	38.4
100°	218.1	71.9	37.0	42.5	43.9
102.5°	286.1	270.8	38.1	45.9	48.3
105°	395.0	409.7	41.1	48.1	50.7
107.5°	501.9	516.7	191.5	49.7	52.4
110°	573.3	588.0	606.2	50.8	53.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	640.2	658.2	672.0	113.1	55.7
115°	747.4	763.5	770.7	779.6	447.1
117.5°	842.1	861.9	870.0	885.5	900.5
120°	907.9	926.7	932.6	948.0	964.1
122.5°	972.6	989.3	992.9	1010.5	1025.6
125°	1061.5	1080.3	1080.7	1098.9	1113.6
127.5°	1150.4	1166.5	1165.7	1179.3	1195.6
130°	1209.6	1220.3	1220.6	1231.9	1249.4
132.5°	1259.0	1274.0	1274.3	1283.5	1300.9
135°	1335.8	1351.9	1349.5	1358.1	1375.6
137.5°	1407.9	1423.5	1419.2	1426.4	1444.4
140°	1455.1	1468.5	1462.0	1469.3	1489.4
142.5°	1499.0	1512.4	1502.6	1508.8	1530.0
145°	1563.4	1575.5	1564.8	1566.6	1586.8
147.5°	1620.8	1632.6	1619.7	1621.5	1640.2
150°	1658.1	1668.8	1652.6	1654.4	1673.2
152.5°	1691.0	1700.6	1683.3	1683.0	1705.0
155°	1736.2	1747.0	1728.0	1724.4	1748.6
157.5°	1777.4	1787.3	1768.3	1765.7	1784.5
160°	1804.8	1811.5	1792.5	1788.8	1807.6
162.5°	1823.5	1831.2	1812.2	1806.3	1825.1
165°	1851.4	1856.8	1837.7	1829.9	1848.7
167.5°	1875.6	1881.8	1857.2	1850.3	1870.4
170°	1889.8	1893.9	1869.3	1860.1	1880.2
172.5°	1898.6	1901.6	1877.0	1866.6	1880.2
175°	1906.3	1910.3	1885.7	1873.6	1883.0
177.5°	1907.7	1909.8	1891.2	1880.6	1896.7
180°	1896.7	1896.7	1896.7	1896.7	1896.7



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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	18.89	19.80	19.80	20.72	21.90	17.80	18.70	18.70	19.62	20.80
	3H	20.54	21.36	21.46	22.29	23.49	19.33	20.14	20.24	21.07	22.27
	4H	21.17	21.94	22.10	22.88	24.09	19.90	20.67	20.83	21.61	22.82
	6H	21.58	22.29	22.52	23.23	24.46	20.28	20.98	21.22	21.93	23.15
	8H	21.73	22.40	22.68	23.36	24.59	20.42	21.09	21.37	22.05	23.27
	12H	21.80	22.45	22.76	23.40	24.65	20.48	21.12	21.44	22.08	23.33
4H	2H	19.31	20.08	20.25	21.01	22.23	18.44	19.20	19.37	20.14	21.35
	3H	21.18	21.82	22.13	22.79	24.02	20.17	20.82	21.12	21.78	23.01
	4H	21.93	22.52	22.89	23.48	24.73	20.85	21.44	21.81	22.40	23.65
	6H	22.45	22.96	23.42	23.94	25.19	21.33	21.83	22.30	22.82	24.07
	8H	22.66	23.13	23.63	24.11	25.37	21.52	21.99	22.49	22.97	24.23
	12H	22.77	23.19	23.76	24.19	25.46	21.61	22.03	22.60	23.03	24.30
8H	4H	22.09	22.56	23.06	23.54	24.81	21.13	21.60	22.10	22.58	23.84
	6H	22.73	23.12	23.73	24.14	25.41	21.73	22.12	22.73	23.14	24.41
	8H	23.03	23.37	24.03	24.38	25.66	22.01	22.35	23.01	23.36	24.64
	12H	23.20	23.50	24.21	24.51	25.83	22.16	22.46	23.17	23.46	24.79
12H	4H	22.07	22.50	23.06	23.49	24.76	21.13	21.56	22.12	22.55	23.82
	6H	22.76	23.11	23.77	24.12	25.40	21.80	22.14	22.80	23.15	24.43
	8H	23.08	23.39	24.09	24.39	25.71	22.10	22.41	23.11	23.41	24.74