

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: P1438902

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438902
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-055U-085D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

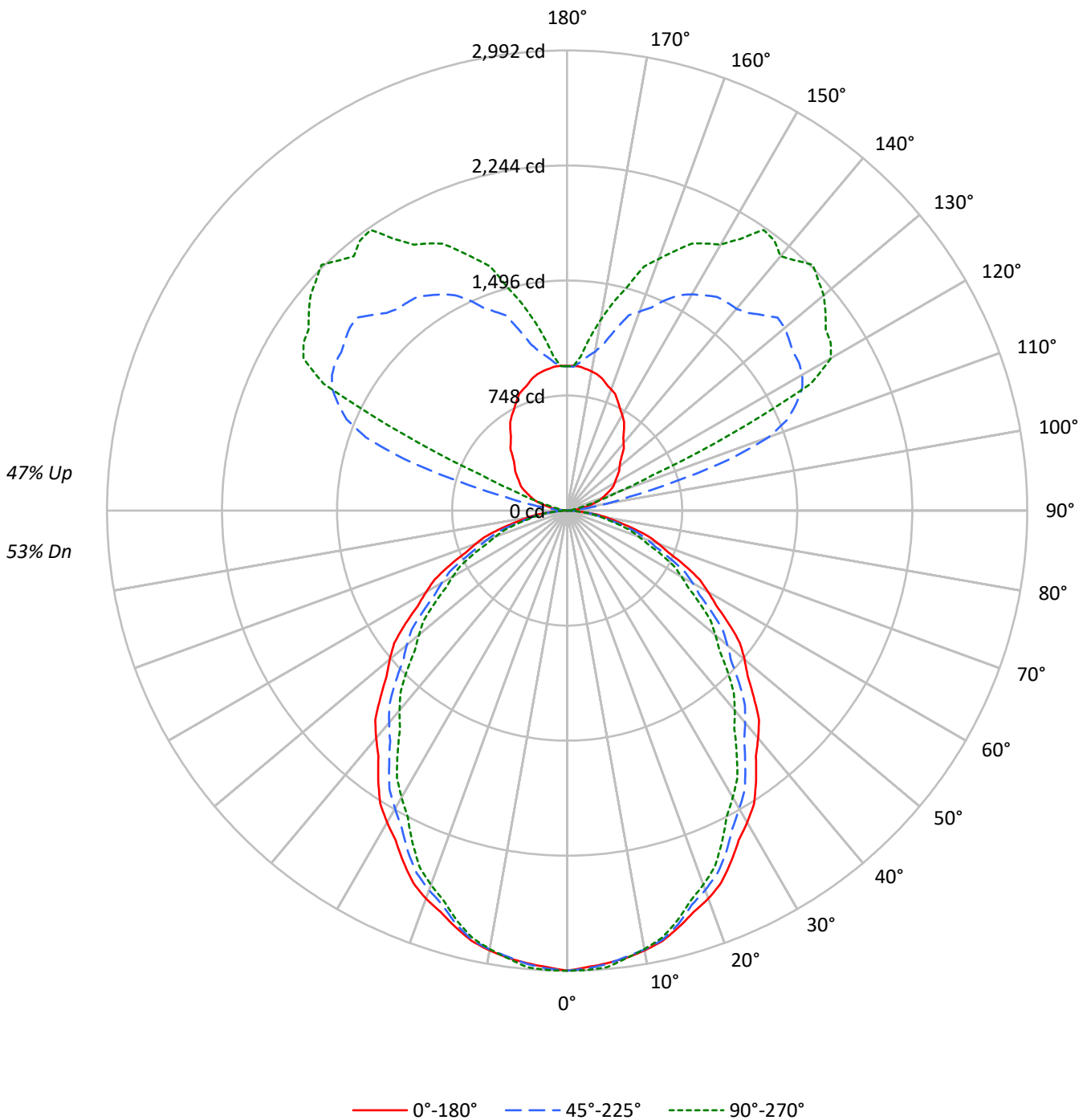
Lumens per Lamp: N/A
Luminaire Lumens: 13149.0 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.8
Input Voltage (V): 120
Input Current (A_{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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CATALOG NUMBER: CB2-B-055U-085D-935-1D-UNV-STD-W-8

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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	99	94	91	87	91	88	84	81	75	72	70	63	61	60	52	51	50	45
2	90	83	77	71	83	77	72	67	66	62	58	56	53	50	46	44	43	38
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	39	36	32
4	75	65	57	51	70	60	53	48	52	47	42	44	40	37	37	34	32	28
5	69	58	50	44	64	54	47	41	47	41	37	40	35	32	33	30	28	24
6	64	52	44	38	59	48	41	36	42	36	32	36	32	28	30	27	24	22
7	59	47	39	33	55	44	37	32	38	32	28	33	28	25	28	24	22	19
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	26	22	20	17
9	51	39	32	26	47	37	30	25	32	27	23	28	23	20	24	20	18	16
10	48	36	29	24	44	34	27	23	30	24	21	26	21	18	22	19	16	14

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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CATALOG NUMBER: CB2-B-055U-085D-935-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.3	2.1
10°-20°	784.2	6.0
20°-30°	1127.6	8.6
30°-40°	1267.4	9.6
40°-50°	1224.3	9.3
50°-60°	1034.5	7.9
60°-70°	743.0	5.7
70°-80°	406.1	3.1
80°-90°	107.9	0.8
90°-100°	70.4	0.5
100°-110°	435.9	3.3
110°-120°	1099.2	8.4
120°-130°	1321.4	10.0
130°-140°	1198.1	9.1
140°-150°	955.3	7.3
150°-160°	651.7	5.0
160°-170°	344.7	2.6
170°-180°	95.9	0.7
0°-30°	2193.2	16.7
0°-40°	3460.6	26.3
0°-60°	5719.4	43.5
0°-90°	6976.4	53.1
90°-120°	1605.5	12.2
90°-150°	5080.3	38.6
90°-180°	6173.0	46.9
0°-180°	13149.0	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	0	0	5
95°	36	92	28	20	20	46
105°	178	499	721	181	122	187
115°	308	680	1644	1530	1166	302
125°	401	824	1794	2041	2053	359
135°	502	914	1798	2105	2259	390
145°	644	960	1697	2045	2227	403
155°	782	979	1510	1820	1915	360
165°	887	970	1219	1435	1502	249
175°	939	951	968	984	1004	89
180°	939	939	939	939	939	



TEST NUMBER: P1438902

CATALOG NUMBER: CB2-B-055U-085D-935-1D-UNV-STD-W-8

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	22.0	22.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.7	16.1	6.5	6.5	6.5
95°	36.4	91.9	28.3	20.2	20.2
97.5°	76.1	220.2	153.1	41.2	35.6
100°	105.3	319.1	263.2	60.5	48.6
102.5°	134.4	405.2	415.4	95.9	74.5
105°	178.2	498.9	720.7	180.9	121.5
107.5°	221.1	560.0	1104.6	373.2	225.1
110°	247.0	595.4	1392.9	581.8	348.2



TEST NUMBER: P1438902

CATALOG NUMBER: CB2-B-055U-085D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	272.9	630.8	1551.6	932.7	600.9
115°	307.7	679.9	1643.9	1530.4	1166.1
117.5°	336.9	724.9	1723.3	1892.6	1785.7
120°	356.3	760.2	1765.4	1944.4	1980.0
122.5°	375.8	785.9	1788.1	1964.5	2031.8
125°	400.9	824.5	1793.8	2041.0	2052.9
127.5°	426.0	853.6	1820.5	2111.3	2116.9
130°	445.4	873.0	1846.4	2134.9	2178.4
132.5°	468.1	889.3	1856.1	2148.3	2214.1
135°	502.1	913.8	1797.8	2105.0	2259.4
137.5°	545.0	931.4	1741.9	2103.8	2203.5
140°	570.9	935.2	1712.8	2150.3	2158.2
142.5°	600.1	945.3	1706.3	2145.1	2213.2
145°	643.8	960.5	1696.6	2044.9	2227.0
147.5°	687.5	970.2	1659.3	1934.2	2093.4
150°	716.7	974.0	1623.7	1897.2	1996.2
152.5°	745.8	977.9	1578.3	1874.2	1957.3
155°	781.5	979.4	1510.3	1820.2	1915.2
157.5°	818.7	974.7	1428.5	1721.6	1825.3
160°	838.2	968.8	1376.7	1650.1	1741.1
162.5°	857.6	966.1	1331.3	1556.5	1663.4
165°	886.8	969.9	1218.8	1434.9	1502.2
167.5°	906.2	966.4	1113.5	1290.6	1385.6
170°	919.1	966.7	1048.7	1180.1	1259.3
172.5°	928.9	951.0	1009.8	1079.1	1132.9
175°	939.4	951.3	967.7	984.4	1004.2
177.5°	942.6	949.0	936.2	933.1	939.4
180°	939.4	939.4	939.4	939.4	939.4



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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	18.61	19.48	19.54	20.43	21.66	17.51	18.38	18.44	19.33	20.56
	3H	20.25	21.04	21.20	22.00	23.25	19.04	19.82	19.98	20.78	22.03
	4H	20.88	21.63	21.84	22.59	23.85	19.61	20.35	20.57	21.32	22.58
	6H	21.29	21.97	22.26	22.94	24.21	19.98	20.67	20.95	21.64	22.91
	8H	21.43	22.09	22.41	23.07	24.34	20.12	20.78	21.10	21.76	23.03
	12H	21.51	22.13	22.49	23.11	24.40	20.19	20.81	21.17	21.79	23.08
4H	2H	19.02	19.76	19.98	20.72	21.98	18.14	18.89	19.11	19.85	21.11
	3H	20.89	21.51	21.86	22.50	23.77	19.88	20.50	20.85	21.49	22.77
	4H	21.64	22.20	22.62	23.19	24.49	20.55	21.12	21.54	22.11	23.40
	6H	22.16	22.64	23.15	23.65	24.95	21.03	21.52	22.03	22.53	23.82
	8H	22.36	22.82	23.36	23.82	25.13	21.22	21.68	22.22	22.68	23.99
	12H	22.47	22.88	23.48	23.90	25.21	21.31	21.72	22.32	22.74	24.05
8H	4H	21.79	22.25	22.79	23.25	24.56	20.83	21.28	21.83	22.29	23.60
	6H	22.44	22.81	23.46	23.86	25.16	21.43	21.81	22.46	22.85	24.16
	8H	22.73	23.06	23.76	24.09	25.42	21.71	22.04	22.74	23.07	24.40
	12H	22.90	23.19	23.93	24.22	25.59	21.86	22.15	22.89	23.18	24.55
12H	4H	21.77	22.18	22.79	23.20	24.52	20.83	21.24	21.85	22.26	23.58
	6H	22.46	22.80	23.49	23.83	25.15	21.50	21.83	22.53	22.86	24.19
	8H	22.78	23.07	23.82	24.10	25.47	21.80	22.10	22.84	23.12	24.49