

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1056981

Luminaire Tested: CB2-B-055U-085D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056981
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-055U-085D-835-1D-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, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12708.0 lumens
Efficiency: N/A
Efficacy: 135.5 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

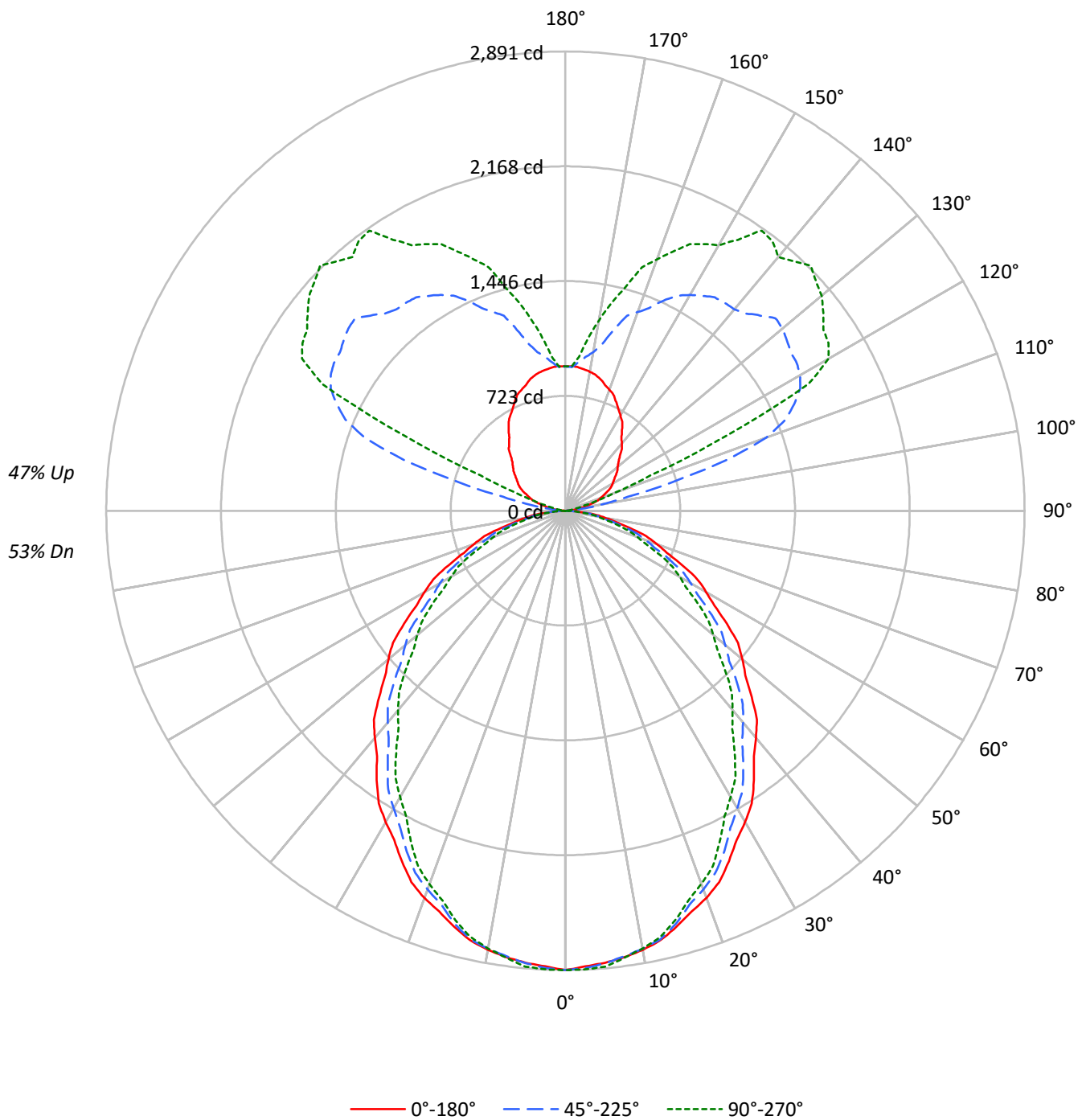
Input Watts (W): 93.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59
1	99	94	91	87	91	88	84	81	75	72	70	63	61	60	52	51	50
2	90	83	77	71	83	77	72	67	66	62	58	56	53	50	46	44	43
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	39	36
4	75	65	57	51	70	60	53	48	52	47	42	44	40	37	37	34	32
5	69	58	50	44	64	54	47	41	47	41	37	40	35	32	33	30	28
6	64	52	44	38	59	48	41	36	42	36	32	36	32	28	30	27	24
7	59	47	39	33	55	44	37	32	38	32	28	33	28	25	28	24	22
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	26	22	20
9	51	39	32	26	47	37	30	25	32	27	23	28	23	20	24	20	18
10	48	36	29	24	44	34	27	23	30	24	21	26	21	18	22	19	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25180	25180	25180
5°	24967	25005	25179
10°	24825	24766	24746
15°	24431	24272	24072
20°	24047	23514	23185
25°	23401	22742	22103
30°	22752	21751	20927
35°	22007	20736	19748
40°	21217	19782	18625
45°	20422	18787	17533
50°	19706	17817	16467
55°	18824	16808	15462
60°	17814	15848	14460
65°	16743	14781	13458
70°	15558	13587	12176
75°	14152	12292	11026
80°	12658	10772	9995
85°	9732	8853	7304

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20422 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.9	2.1
10°-20°	757.9	6.0
20°-30°	1089.8	8.6
30°-40°	1224.9	9.6
40°-50°	1183.3	9.3
50°-60°	999.8	7.9
60°-70°	718.1	5.7
70°-80°	392.5	3.1
80°-90°	104.2	0.8
90°-100°	68.0	0.5
100°-110°	421.3	3.3
110°-120°	1062.4	8.4
120°-130°	1277.1	10.0
130°-140°	1157.9	9.1
140°-150°	923.3	7.3
150°-160°	629.8	5.0
160°-170°	333.1	2.6
170°-180°	92.7	0.7
0°-30°	2119.6	16.7
0°-40°	3344.5	26.3
0°-60°	5527.6	43.5
0°-90°	6742.4	53.1
90°-120°	1551.7	12.2
90°-150°	4909.9	38.6
90°-180°	5966.0	46.9
0°-180°	12708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2891	2891	2891	2891	2891	
5°	2856	2895	2860	2861	2880	271
15°	2710	2734	2692	2666	2670	764
25°	2435	2438	2367	2313	2300	1121
35°	2070	2046	1950	1875	1858	1293
45°	1658	1624	1525	1445	1424	1281
55°	1240	1194	1107	1038	1018	1108
65°	812	782	717	666	653	806
75°	421	395	365	336	328	450
85°	97	91	89	77	73	116
90°	0	0	0	0	0	5
95°	35	89	27	20	20	45
105°	172	482	697	175	117	181
115°	297	657	1589	1479	1127	292
125°	387	797	1734	1973	1984	347
135°	485	883	1738	2034	2184	377
145°	622	928	1640	1976	2152	389
155°	755	947	1460	1759	1851	348
165°	857	937	1178	1387	1452	240
175°	908	919	935	951	970	86
180°	908	908	908	908	908	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2891.4	2891.4	2891.4	2891.4	2891.4
2.5°	2871.9	2906.5	2880.8	2884.4	2889.6
5°	2856.0	2894.9	2860.4	2860.8	2880.3
7.5°	2835.6	2872.4	2829.0	2821.0	2839.1
10°	2807.3	2844.1	2800.6	2785.4	2798.4
12.5°	2770.1	2805.1	2763.4	2739.3	2750.6
15°	2709.8	2733.7	2692.1	2665.7	2670.0
17.5°	2644.3	2659.0	2599.1	2576.9	2572.6
20°	2594.7	2607.7	2537.2	2506.1	2501.7
22.5°	2531.0	2542.2	2468.1	2429.9	2423.8
25°	2435.3	2437.5	2366.7	2313.3	2300.3
27.5°	2335.2	2328.3	2249.8	2186.5	2169.6
30°	2262.6	2254.0	2163.0	2096.2	2081.1
32.5°	2184.7	2169.1	2078.0	2005.9	1990.8
35°	2070.0	2046.2	1950.5	1874.8	1857.5
37.5°	1947.8	1921.0	1826.9	1744.6	1725.1
40°	1866.3	1836.0	1740.1	1657.8	1638.3
42.5°	1784.9	1751.1	1653.4	1571.0	1549.7
45°	1658.2	1623.6	1525.4	1445.2	1423.6
47.5°	1537.8	1493.6	1398.3	1318.6	1296.9
50°	1454.5	1406.9	1315.1	1237.1	1215.4
52.5°	1369.5	1320.2	1231.8	1157.4	1135.7
55°	1239.8	1194.3	1107.0	1037.9	1018.4
57.5°	1111.4	1067.7	987.9	921.9	902.8
60°	1022.8	986.0	909.9	847.5	830.2
62.5°	937.8	904.5	832.0	774.9	757.6
65°	812.5	782.2	717.3	666.1	653.1
67.5°	690.7	660.4	607.9	562.0	547.3
70°	611.0	580.7	533.6	491.2	478.2
72.5°	534.9	502.8	464.5	425.7	416.2
75°	420.6	394.7	365.3	336.3	327.7
77.5°	319.7	294.6	273.2	252.8	250.6
80°	252.4	230.7	214.8	201.4	199.3
82.5°	188.6	172.2	161.6	151.9	151.4
85°	97.4	90.9	88.6	77.4	73.1
87.5°	28.3	28.3	24.8	21.3	21.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.4	15.5	6.3	6.3	6.3
95°	35.2	88.8	27.4	19.6	19.6
97.5°	73.6	212.8	147.9	39.8	34.4
100°	101.7	308.4	254.4	58.4	47.0
102.5°	129.9	391.6	401.5	92.7	72.0
105°	172.2	482.1	696.6	174.8	117.4
107.5°	213.7	541.2	1067.5	360.7	217.6
110°	238.7	575.4	1346.2	562.3	336.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	263.8	609.7	1499.6	901.4	580.7
115°	297.4	657.1	1588.8	1479.1	1127.0
117.5°	325.6	700.6	1665.5	1829.1	1725.8
120°	344.4	734.7	1706.2	1879.2	1913.6
122.5°	363.2	759.6	1728.1	1898.6	1963.7
125°	387.4	796.8	1733.6	1972.6	1984.0
127.5°	411.7	824.9	1759.4	2040.5	2045.9
130°	430.5	843.7	1784.5	2063.3	2105.4
132.5°	452.4	859.5	1793.9	2076.3	2139.8
135°	485.2	883.2	1737.5	2034.4	2183.6
137.5°	526.7	900.2	1683.5	2033.2	2129.6
140°	551.8	903.8	1655.3	2078.1	2085.8
142.5°	580.0	913.6	1649.1	2073.2	2139.0
145°	622.2	928.3	1639.7	1976.3	2152.3
147.5°	664.5	937.7	1603.7	1869.4	2023.2
150°	692.7	941.4	1569.2	1833.6	1929.3
152.5°	720.8	945.1	1525.4	1811.3	1891.7
155°	755.3	946.6	1459.7	1759.2	1851.0
157.5°	791.3	942.0	1380.6	1663.9	1764.1
160°	810.1	936.3	1330.5	1594.7	1682.7
162.5°	828.8	933.7	1286.7	1504.3	1607.6
165°	857.0	937.4	1177.9	1386.8	1451.8
167.5°	875.8	934.0	1076.2	1247.3	1339.1
170°	888.3	934.2	1013.5	1140.5	1217.0
172.5°	897.7	919.1	976.0	1042.9	1094.9
175°	907.9	919.4	935.3	951.4	970.5
177.5°	911.0	917.1	904.8	901.8	907.9
180°	907.9	907.9	907.9	907.9	907.9

(END OF REPORT)