

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: P1057005

Luminaire Tested: CB2-B-125U-085D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057005
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-125U-085D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20258.0 lumens
Efficiency: N/A
Efficacy: 133.5 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: Semi-Indirect

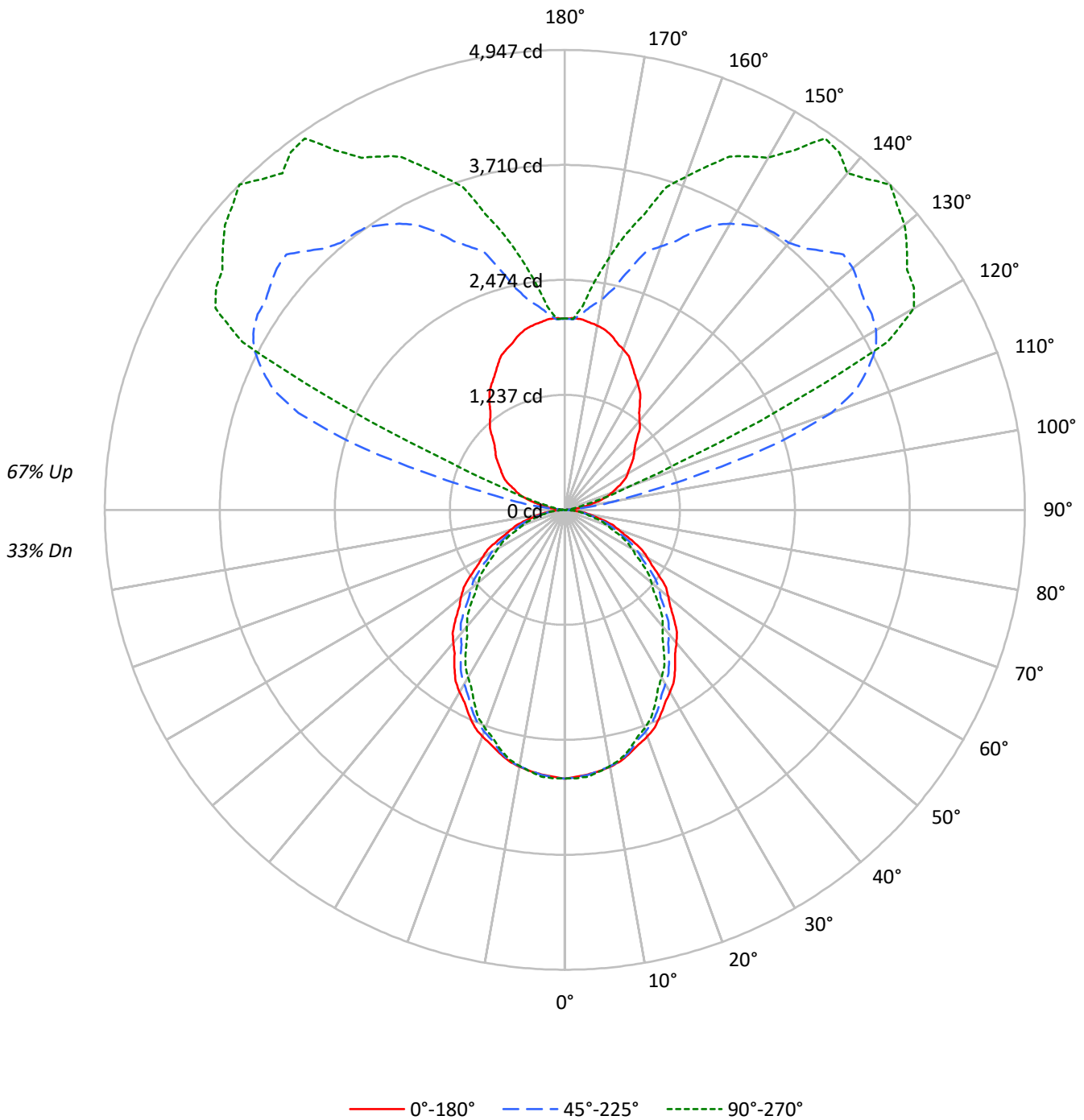
Input Watts (W): 151.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33
1	94	90	86	83	85	81	78	75	65	63	61	50	49	47	36	35	35	28
2	86	79	73	68	77	71	66	62	57	54	51	44	42	40	32	31	29	24
3	78	69	62	57	70	63	57	52	50	46	43	39	36	34	28	27	25	20
4	72	61	54	48	64	56	49	44	45	40	36	35	32	29	25	23	22	18
5	66	55	47	41	59	50	43	38	40	35	31	31	28	25	23	21	19	15
6	60	49	41	35	54	44	38	33	36	31	27	28	25	22	21	19	17	14
7	56	44	36	31	50	40	33	29	33	28	24	26	22	19	19	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	23	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	22	41	30	24	20	25	20	17	20	16	14	15	13	11	9

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	1.3
10°-20°	757.9	3.7
20°-30°	1089.8	5.4
30°-40°	1224.9	6.0
40°-50°	1183.3	5.8
50°-60°	999.8	4.9
60°-70°	718.1	3.5
70°-80°	392.5	1.9
80°-90°	104.2	0.5
90°-100°	154.1	0.8
100°-110°	954.4	4.7
110°-120°	2406.9	11.9
120°-130°	2893.4	14.3
130°-140°	2623.3	12.9
140°-150°	2091.9	10.3
150°-160°	1426.9	7.0
160°-170°	754.7	3.7
170°-180°	210.0	1.0
0°-30°	2119.6	10.5
0°-40°	3344.5	16.5
0°-60°	5527.6	27.3
0°-90°	6742.4	33.3
90°-120°	3515.4	17.4
90°-150°	11124.0	54.9
90°-180°	13516.0	66.7
0°-180°	20258.0	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	7
95°	80	201	62	44	44	101
105°	390	1092	1578	396	266	410
115°	674	1489	3600	3351	2553	661
125°	878	1805	3928	4469	4495	786
135°	1099	2001	3936	4609	4947	855
145°	1410	2103	3715	4478	4876	881
155°	1711	2145	3307	3986	4194	788
165°	1942	2124	2669	3142	3289	545
175°	2057	2083	2119	2155	2199	195
180°	2057	2057	2057	2057	2057	



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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°	21.3	35.1	14.2	14.2	14.2
95°	79.8	201.2	62.1	44.3	44.3
97.5°	166.7	482.2	335.1	90.2	78.0
100°	230.5	698.6	576.3	132.4	106.4
102.5°	294.4	887.3	909.7	209.9	163.1
105°	390.1	1092.3	1578.2	396.0	266.0
107.5°	484.1	1226.2	2418.7	817.2	493.0
110°	540.8	1303.7	3049.9	1274.0	762.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	597.6	1381.3	3397.5	2042.2	1315.7
115°	673.8	1488.7	3599.6	3351.0	2553.4
117.5°	737.7	1587.2	3773.4	4144.0	3909.9
120°	780.2	1664.5	3865.6	4257.5	4335.5
122.5°	822.8	1720.9	3915.2	4301.6	4449.0
125°	877.7	1805.3	3927.7	4469.1	4495.1
127.5°	932.7	1869.0	3986.2	4623.0	4635.2
130°	975.3	1911.5	4042.9	4674.6	4769.9
132.5°	1024.9	1947.3	4064.2	4704.1	4848.0
135°	1099.4	2001.0	3936.5	4609.2	4947.3
137.5°	1193.4	2039.5	3814.2	4606.4	4824.9
140°	1250.1	2047.7	3750.3	4708.3	4725.6
142.5°	1313.9	2069.9	3736.2	4697.1	4846.2
145°	1409.7	2103.2	3714.9	4477.6	4876.3
147.5°	1505.5	2124.4	3633.3	4235.3	4583.7
150°	1569.3	2132.8	3555.3	4154.2	4371.0
152.5°	1633.1	2141.1	3456.0	4103.8	4285.9
155°	1711.1	2144.6	3307.0	3985.6	4193.6
157.5°	1792.7	2134.3	3127.9	3769.7	3996.8
160°	1835.3	2121.4	3014.5	3613.0	3812.4
162.5°	1877.8	2115.4	2915.2	3408.1	3642.2
165°	1941.7	2123.7	2668.7	3141.9	3289.3
167.5°	1984.2	2116.0	2438.2	2825.9	3034.0
170°	2012.6	2116.6	2296.3	2584.0	2757.3
172.5°	2033.9	2082.4	2211.2	2362.8	2480.7
175°	2056.9	2082.9	2119.0	2155.4	2198.8
177.5°	2064.0	2077.9	2049.8	2043.1	2056.9
180°	2056.9	2056.9	2056.9	2056.9	2056.9

(END OF REPORT)