

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: P1057006

Luminaire Tested: CB2-B-125U-085D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057006
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19987.9 lumens
Efficiency: N/A
Efficacy: 131.8 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

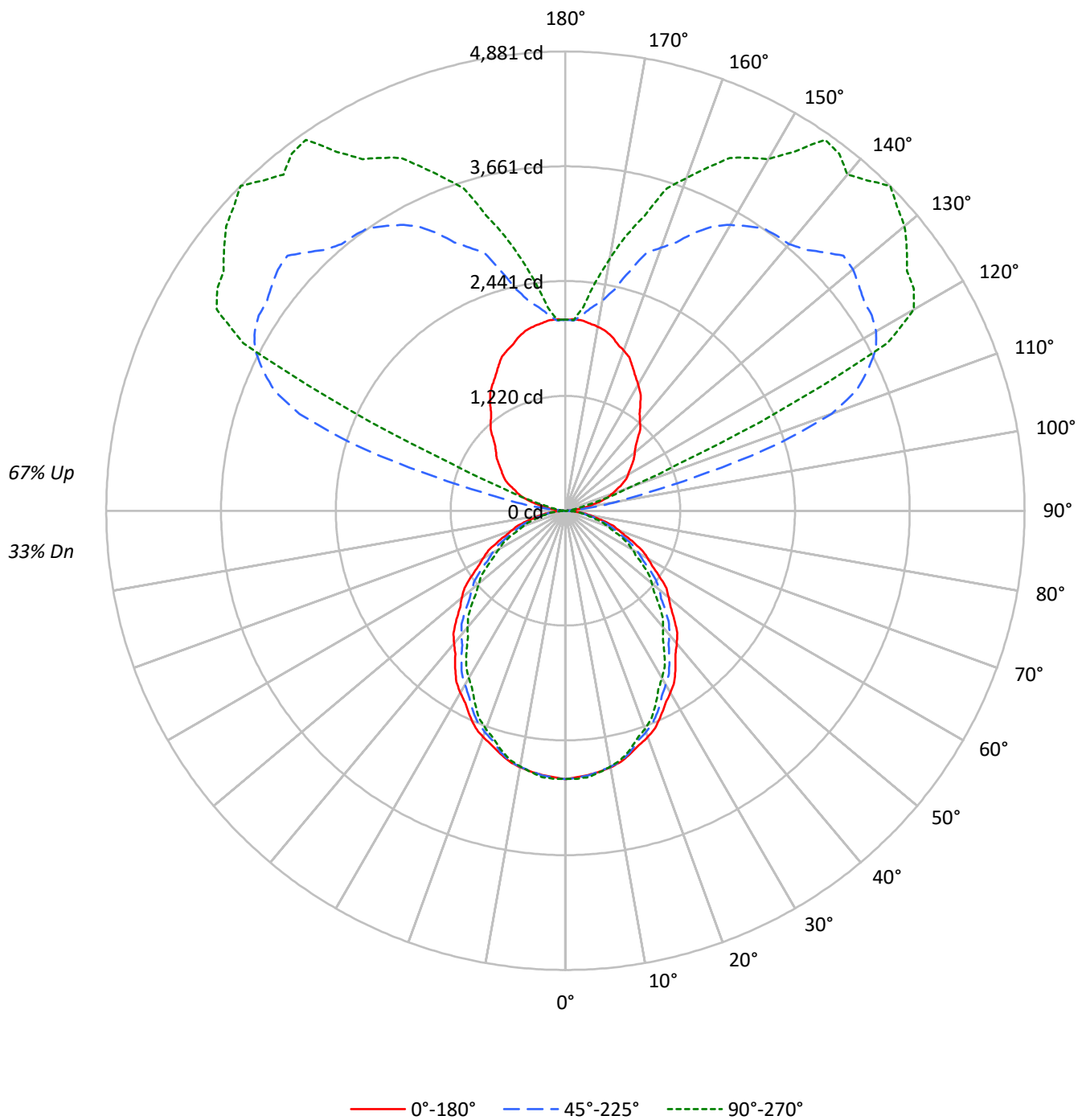
Input Watts (W): 151.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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			
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°	24844	24844	24844
5°	24634	24672	24844
10°	24493	24436	24416
15°	24106	23948	23751
20°	23726	23200	22876
25°	23089	22438	21808
30°	22450	21461	20648
35°	21713	20460	19484
40°	20935	19518	18377
45°	20150	18537	17299
50°	19444	17579	16247
55°	18573	16583	15256
60°	17578	15637	14268
65°	16520	14583	13279
70°	15351	13403	12013
75°	13964	12127	10878
80°	12488	10627	9860
85°	9602	8733	7204

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20150 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.3	1.3
10°-20°	747.8	3.7
20°-30°	1075.3	5.4
30°-40°	1208.6	6.0
40°-50°	1167.5	5.8
50°-60°	986.4	4.9
60°-70°	708.5	3.5
70°-80°	387.3	1.9
80°-90°	102.9	0.5
90°-100°	152.1	0.8
100°-110°	941.7	4.7
110°-120°	2374.8	11.9
120°-130°	2854.8	14.3
130°-140°	2588.3	12.9
140°-150°	2064.0	10.3
150°-160°	1407.9	7.0
160°-170°	744.6	3.7
170°-180°	207.2	1.0
0°-30°	2091.4	10.5
0°-40°	3300.0	16.5
0°-60°	5453.9	27.3
0°-90°	6652.5	33.3
90°-120°	3468.6	17.4
90°-150°	10975.6	54.9
90°-180°	13335.0	66.7
0°-180°	19987.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2853	2853	2853	2853	2853	
5°	2818	2856	2822	2823	2842	268
15°	2674	2697	2656	2630	2634	754
25°	2403	2405	2335	2282	2270	1106
35°	2042	2019	1924	1850	1833	1276
45°	1636	1602	1505	1426	1405	1264
55°	1223	1178	1092	1024	1005	1094
65°	802	772	708	657	644	795
75°	415	389	360	332	323	444
85°	96	90	87	76	72	114
90°	0	0	0	0	0	7
95°	79	198	61	44	44	100
105°	385	1078	1557	391	262	404
115°	665	1469	3552	3306	2519	652
125°	866	1781	3875	4410	4435	775
135°	1085	1974	3884	4548	4881	843
145°	1391	2075	3665	4418	4811	870
155°	1688	2116	3263	3932	4138	777
165°	1916	2095	2633	3100	3246	538
175°	2030	2055	2091	2127	2170	192
180°	2030	2030	2030	2030	2030	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2852.8	2852.8	2852.8	2852.8	2852.8
2.5°	2833.6	2867.8	2842.4	2846.0	2851.1
5°	2817.9	2856.3	2822.3	2822.7	2841.9
7.5°	2797.8	2834.1	2791.2	2783.3	2801.3
10°	2769.8	2806.1	2763.3	2748.3	2761.1
12.5°	2733.1	2767.7	2726.6	2702.8	2713.9
15°	2673.7	2697.2	2656.2	2630.1	2634.4
17.5°	2609.1	2623.6	2564.5	2542.6	2538.3
20°	2560.1	2572.9	2503.3	2472.7	2468.4
22.5°	2497.2	2508.3	2435.2	2397.5	2391.5
25°	2402.9	2405.0	2335.1	2282.4	2269.6
27.5°	2304.1	2297.3	2219.8	2157.4	2140.7
30°	2232.5	2223.9	2134.2	2068.3	2053.3
32.5°	2155.6	2140.2	2050.3	1979.2	1964.2
35°	2042.4	2018.9	1924.5	1849.8	1832.7
37.5°	1921.8	1895.4	1802.6	1721.3	1702.1
40°	1841.5	1811.6	1716.9	1635.7	1616.5
42.5°	1761.1	1727.8	1631.3	1550.0	1529.1
45°	1636.1	1601.9	1505.1	1425.9	1404.6
47.5°	1517.3	1473.7	1379.7	1301.0	1279.6
50°	1435.2	1388.2	1297.5	1220.6	1199.2
52.5°	1351.3	1302.6	1215.4	1142.0	1120.6
55°	1223.3	1178.4	1092.2	1024.1	1004.8
57.5°	1096.6	1053.4	974.7	909.6	890.8
60°	1009.2	972.9	897.8	836.2	819.2
62.5°	925.3	892.4	820.9	764.6	747.5
65°	801.7	771.8	707.7	657.2	644.4
67.5°	681.5	651.6	599.8	554.5	540.0
70°	602.9	573.0	526.4	484.6	471.8
72.5°	527.8	496.1	458.3	420.1	410.7
75°	415.0	389.4	360.4	331.8	323.3
77.5°	315.4	290.7	269.6	249.4	247.3
80°	249.0	227.7	211.9	198.7	196.6
82.5°	186.1	169.9	159.5	149.8	149.4
85°	96.1	89.7	87.4	76.4	72.1
87.5°	28.0	28.0	24.5	21.0	21.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	21.0	34.7	14.0	14.0	14.0
95°	78.7	198.5	61.2	43.7	43.7
97.5°	164.5	475.8	330.7	89.0	77.0
100°	227.4	689.3	568.6	130.6	105.0
102.5°	290.4	875.5	897.5	207.1	161.0
105°	384.9	1077.7	1557.1	390.7	262.4
107.5°	477.6	1209.8	2386.4	806.3	486.4
110°	533.6	1286.3	3009.3	1257.0	752.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	589.6	1362.8	3352.2	2015.0	1298.2
115°	664.8	1468.9	3551.6	3306.3	2519.4
117.5°	727.8	1566.1	3723.1	4088.8	3857.8
120°	769.8	1642.3	3814.1	4200.7	4277.7
122.5°	811.8	1697.9	3863.1	4244.3	4389.7
125°	866.0	1781.3	3875.3	4409.5	4435.2
127.5°	920.3	1844.0	3933.0	4561.4	4573.4
130°	962.3	1886.0	3989.0	4612.3	4706.4
132.5°	1011.3	1921.3	4010.0	4641.3	4783.3
135°	1084.7	1974.3	3884.1	4547.7	4881.3
137.5°	1177.5	2012.3	3763.3	4545.0	4760.6
140°	1233.4	2020.4	3700.3	4645.5	4662.6
142.5°	1296.4	2042.3	3686.3	4634.5	4781.6
145°	1390.9	2075.2	3665.4	4417.9	4811.3
147.5°	1485.4	2096.1	3584.9	4178.8	4522.6
150°	1548.4	2104.3	3507.9	4098.9	4312.7
152.5°	1611.4	2112.6	3409.9	4049.1	4228.7
155°	1688.3	2116.0	3263.0	3932.5	4137.7
157.5°	1768.8	2105.8	3086.2	3719.4	3943.5
160°	1810.8	2093.1	2974.3	3564.9	3761.6
162.5°	1852.8	2087.2	2876.3	3362.7	3593.6
165°	1915.8	2095.4	2633.1	3100.0	3245.5
167.5°	1957.8	2087.8	2405.7	2788.2	2993.5
170°	1985.8	2088.4	2265.7	2549.5	2720.6
172.5°	2006.8	2054.7	2181.7	2331.3	2447.7
175°	2029.5	2055.2	2090.7	2126.7	2169.5
177.5°	2036.5	2050.2	2022.5	2015.8	2029.5
180°	2029.5	2029.5	2029.5	2029.5	2029.5

(END OF REPORT)