

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: P1438966

Luminaire Tested: CB2-B-125U-085D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438966
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-125U-085D-935-1D-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, 90 CRI LEDS
Ballast/Driver: -

Summary

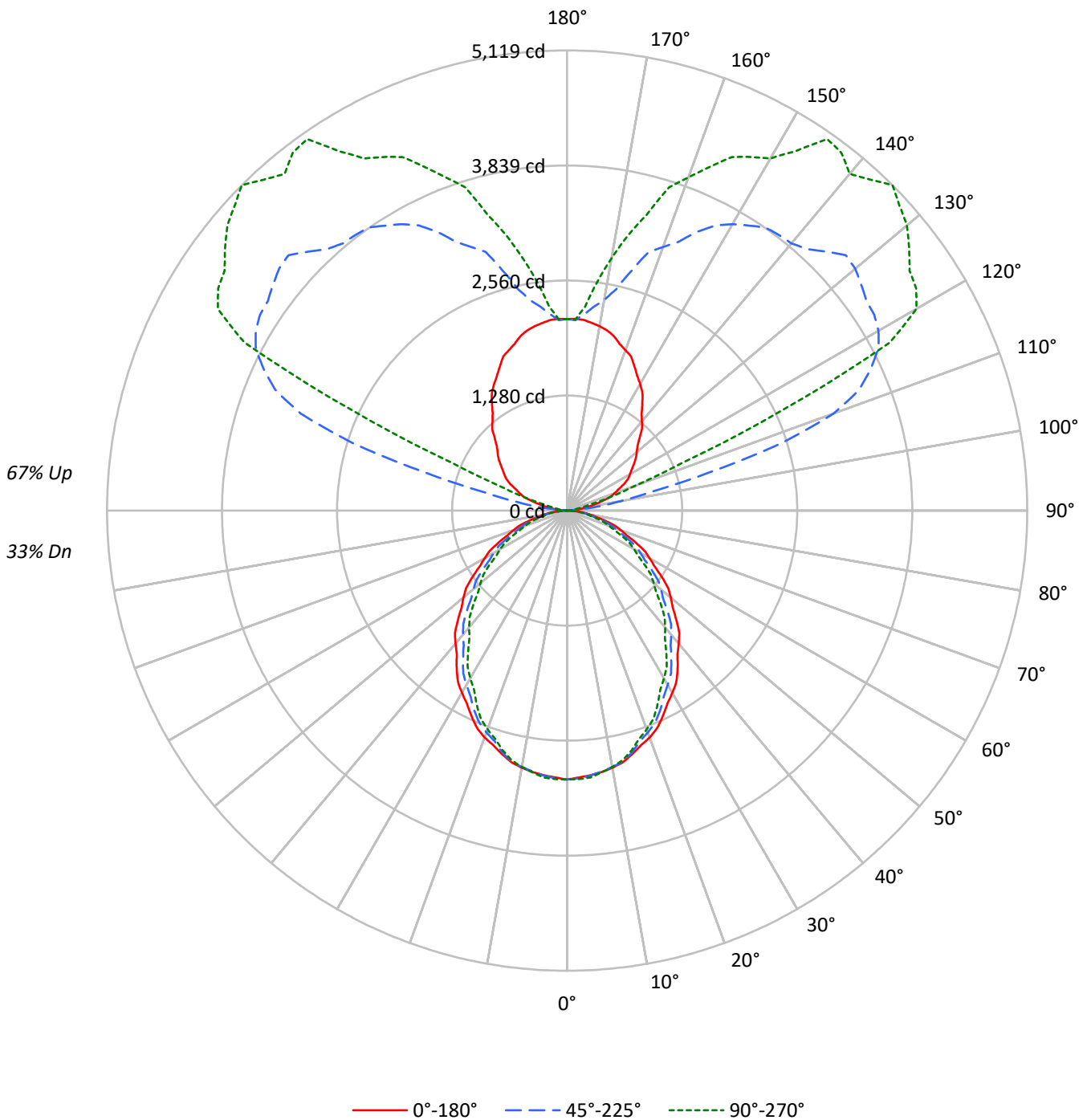
Lumens per Lamp: N/A
Luminaire Lumens: 20961.1 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 151.7
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

TEST NUMBER: P1438966

CATALOG NUMBER: CB2-B-125U-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	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°	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



TEST NUMBER: P1438966

CATALOG NUMBER: CB2-B-125U-085D-935-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.3	1.3
10°-20°	784.2	3.7
20°-30°	1127.6	5.4
30°-40°	1267.4	6.0
40°-50°	1224.3	5.8
50°-60°	1034.5	4.9
60°-70°	743.0	3.5
70°-80°	406.1	1.9
80°-90°	107.9	0.5
90°-100°	159.5	0.8
100°-110°	987.5	4.7
110°-120°	2490.4	11.9
120°-130°	2993.8	14.3
130°-140°	2714.3	12.9
140°-150°	2164.5	10.3
150°-160°	1476.4	7.0
160°-170°	780.9	3.7
170°-180°	217.3	1.0
0°-30°	2193.2	10.5
0°-40°	3460.6	16.5
0°-60°	5719.4	27.3
0°-90°	6976.4	33.3
90°-120°	3637.4	17.4
90°-150°	11510.0	54.9
90°-180°	13985.0	66.7
0°-180°	20961.1	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	7
95°	83	208	64	46	46	105
105°	404	1130	1633	410	275	424
115°	697	1540	3724	3467	2642	684
125°	908	1868	4064	4624	4651	813
135°	1138	2070	4073	4769	5119	884
145°	1459	2176	3844	4633	5046	912
155°	1770	2219	3422	4124	4339	815
165°	2009	2197	2761	3251	3404	564
175°	2128	2155	2192	2230	2275	201
180°	2128	2128	2128	2128	2128	

TEST NUMBER: P1438966

CATALOG NUMBER: CB2-B-125U-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°	22.0	36.4	14.7	14.7	14.7
95°	82.6	208.1	64.2	45.9	45.9
97.5°	172.5	499.0	346.8	93.3	80.7
100°	238.5	722.9	596.3	137.0	110.1
102.5°	304.6	918.1	941.2	217.2	168.8
105°	403.6	1130.2	1632.9	409.8	275.2
107.5°	500.9	1268.7	2502.6	845.5	510.1
110°	559.6	1348.9	3155.8	1318.2	788.9

TEST NUMBER: P1438966

CATALOG NUMBER: CB2-B-125U-085D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	618.3	1429.2	3515.4	2113.1	1361.4
115°	697.2	1540.4	3724.5	3467.3	2642.0
117.5°	763.3	1642.3	3904.4	4287.8	4045.6
120°	807.3	1722.2	3999.8	4405.2	4486.0
122.5°	851.3	1780.6	4051.1	4450.9	4603.4
125°	908.2	1868.0	4064.0	4624.2	4651.1
127.5°	965.1	1933.8	4124.5	4783.5	4796.0
130°	1009.1	1977.9	4183.2	4836.8	4935.5
132.5°	1060.5	2014.9	4205.2	4867.3	5016.2
135°	1137.5	2070.4	4073.1	4769.1	5119.0
137.5°	1234.8	2110.2	3946.5	4766.3	4992.4
140°	1293.5	2118.7	3880.5	4871.7	4889.6
142.5°	1359.6	2141.7	3865.8	4860.1	5014.4
145°	1458.6	2176.2	3843.8	4633.0	5045.6
147.5°	1557.7	2198.2	3759.4	4382.2	4742.8
150°	1623.8	2206.8	3678.7	4298.4	4522.7
152.5°	1689.8	2215.4	3575.9	4246.2	4434.6
155°	1770.5	2219.0	3421.8	4123.9	4339.2
157.5°	1854.9	2208.3	3236.5	3900.5	4135.5
160°	1899.0	2195.0	3119.1	3738.4	3944.7
162.5°	1943.0	2188.8	3016.3	3526.4	3768.6
165°	2009.1	2197.4	2761.3	3251.0	3403.5
167.5°	2053.1	2189.4	2522.8	2924.0	3139.3
170°	2082.4	2190.1	2376.0	2673.6	2853.0
172.5°	2104.5	2154.7	2287.9	2444.8	2566.8
175°	2128.3	2155.2	2192.5	2230.2	2275.1
177.5°	2135.7	2150.0	2121.0	2114.0	2128.3
180°	2128.3	2128.3	2128.3	2128.3	2128.3



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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	16.54	17.26	17.63	18.35	19.84	15.44	16.16	16.53	17.25	18.74
	3H	18.17	18.82	19.27	19.92	21.43	16.96	17.60	18.06	18.70	20.21
	4H	18.80	19.41	19.91	20.51	22.02	17.52	18.14	18.63	19.23	20.75
	6H	19.19	19.76	20.31	20.86	22.38	17.89	18.45	19.01	19.55	21.08
	8H	19.34	19.87	20.46	20.99	22.51	18.02	18.56	19.15	19.68	21.20
	12H	19.41	19.91	20.53	21.02	22.57	18.08	18.59	19.21	19.70	21.25
4H	2H	16.93	17.55	18.05	18.64	20.16	16.06	16.67	17.17	17.77	19.28
	3H	18.79	19.30	19.91	20.42	21.95	17.78	18.29	18.90	19.42	20.94
	4H	19.53	20.00	20.66	21.11	22.66	18.45	18.92	19.57	20.03	21.58
	6H	20.04	20.44	21.17	21.58	23.12	18.92	19.32	20.05	20.45	21.99
	8H	20.24	20.62	21.38	21.75	23.30	19.10	19.48	20.24	20.61	22.16
	12H	20.34	20.68	21.49	21.82	23.38	19.18	19.52	20.33	20.66	22.22
8H	4H	19.67	20.05	20.81	21.18	22.73	18.71	19.09	19.84	20.21	21.77
	6H	20.31	20.62	21.46	21.79	23.34	19.31	19.62	20.46	20.79	22.34
	8H	20.60	20.87	21.76	22.02	23.59	19.58	19.85	20.74	21.00	22.58
	12H	20.77	21.01	21.93	22.15	23.76	19.73	19.96	20.89	21.11	22.72
12H	4H	19.65	19.99	20.80	21.13	22.69	18.71	19.05	19.86	20.19	21.75
	6H	20.34	20.61	21.50	21.76	23.33	19.37	19.64	20.53	20.79	22.37
	8H	20.65	20.89	21.81	22.03	23.64	19.67	19.91	20.83	21.06	22.66