

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: P1056970

Luminaire Tested: CB2-B-030U-085D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056970
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-030U-085D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9701.4 lumens
Efficiency: N/A
Efficacy: 130.9 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-Direct

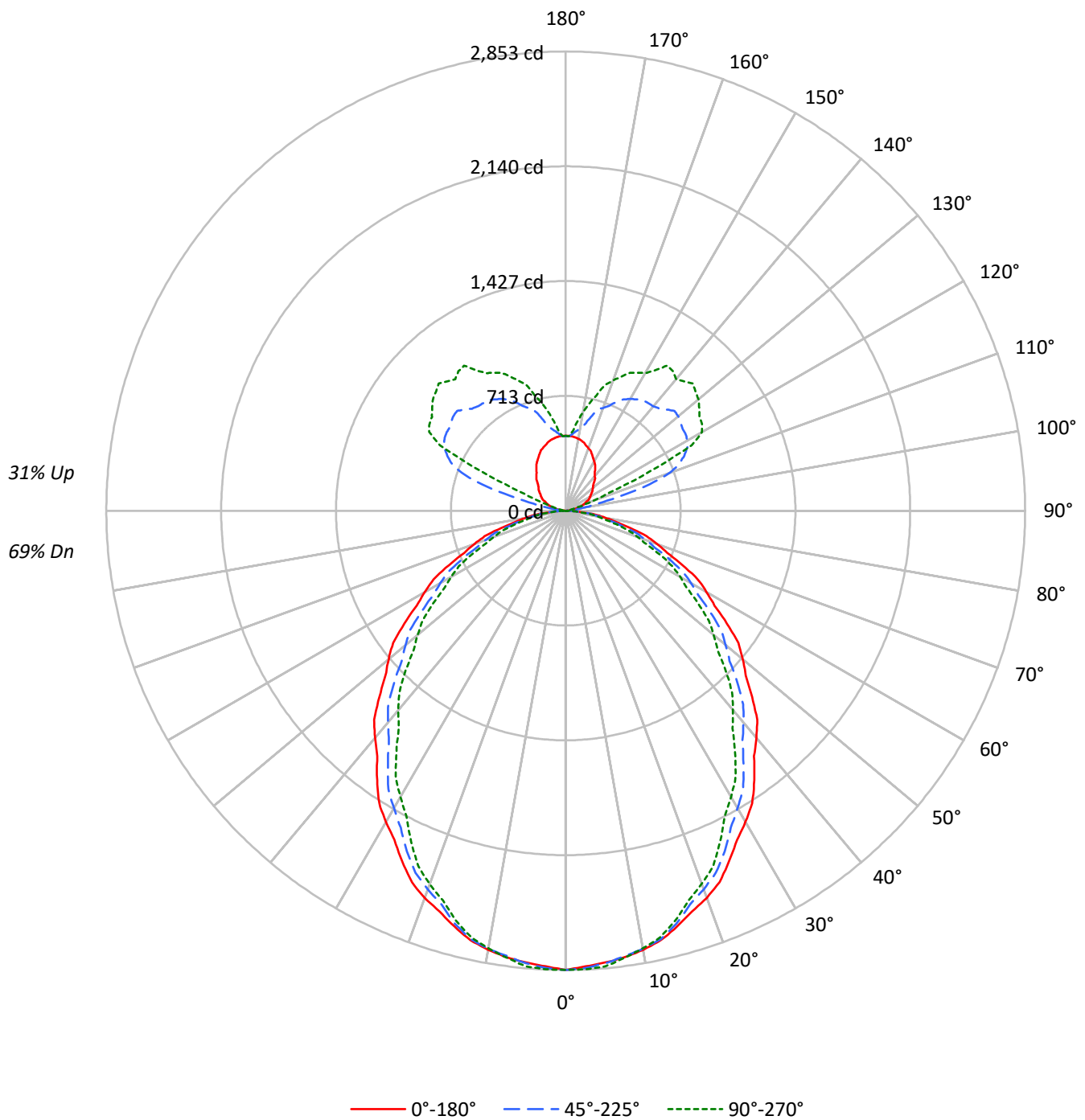
Input Watts (W): 74.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1056970

CATALOG NUMBER: CB2-B-030U-085D-840-1D-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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	112	112	112	112	105	105	105	105	94	94	94	83	83	83	73	73	73
1	102	98	94	90	96	93	89	86	83	80	78	73	72	70	65	64	62
2	93	86	80	74	88	81	76	71	73	68	65	65	62	59	58	55	53
3	85	76	68	62	80	72	65	60	64	59	55	58	53	50	51	48	45
4	78	67	59	53	74	64	57	51	57	52	47	52	47	43	46	42	39
5	72	60	52	46	68	57	50	44	52	45	41	46	41	38	42	38	34
6	66	54	46	40	63	52	44	39	47	40	36	42	37	33	38	34	30
7	62	49	41	35	58	47	39	34	43	36	32	38	33	29	35	30	27
8	57	45	37	31	54	43	36	30	39	33	28	35	30	26	32	28	25
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	25	22
10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	27	23	20

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

TEST NUMBER: P1056970

CATALOG NUMBER: CB2-B-030U-085D-840-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.3	2.8
10°-20°	747.8	7.7
20°-30°	1075.3	11.1
30°-40°	1208.6	12.5
40°-50°	1167.5	12.0
50°-60°	986.4	10.2
60°-70°	708.5	7.3
70°-80°	387.3	4.0
80°-90°	102.9	1.1
90°-100°	34.8	0.4
100°-110°	215.3	2.2
110°-120°	543.0	5.6
120°-130°	652.7	6.7
130°-140°	591.8	6.1
140°-150°	471.9	4.9
150°-160°	321.9	3.3
160°-170°	170.2	1.8
170°-180°	47.4	0.5
0°-30°	2091.4	21.6
0°-40°	3300.0	34.0
0°-60°	5453.9	56.2
0°-90°	6652.5	68.6
90°-120°	793.0	8.2
90°-150°	2509.4	25.9
90°-180°	3049.0	31.4
0°-180°	9701.4	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	4
95°	18	45	14	10	10	23
105°	88	246	356	89	60	92
115°	152	336	812	756	576	149
125°	198	407	886	1008	1014	177
135°	248	451	888	1040	1116	193
145°	318	474	838	1010	1100	199
155°	386	484	746	899	946	178
165°	438	479	602	709	742	123
175°	464	470	478	486	496	44
180°	464	464	464	464	464	

TEST NUMBER: P1056970

CATALOG NUMBER: CB2-B-030U-085D-840-1D-UNV-STD-W-8

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°	4.8	7.9	3.2	3.2	3.2
95°	18.0	45.4	14.0	10.0	10.0
97.5°	37.6	108.8	75.6	20.3	17.6
100°	52.0	157.6	130.0	29.9	24.0
102.5°	66.4	200.2	205.2	47.4	36.8
105°	88.0	246.4	356.0	89.3	60.0
107.5°	109.2	276.6	545.6	184.3	111.2
110°	122.0	294.1	688.0	287.4	172.0

TEST NUMBER: P1056970

CATALOG NUMBER: CB2-B-030U-085D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	134.8	311.6	766.4	460.7	296.8
115°	152.0	335.8	812.0	755.9	576.0
117.5°	166.4	358.1	851.2	934.8	882.0
120°	176.0	375.5	872.0	960.4	978.0
122.5°	185.6	388.2	883.2	970.4	1003.6
125°	198.0	407.3	886.0	1008.2	1014.0
127.5°	210.4	421.6	899.2	1042.9	1045.6
130°	220.0	431.2	912.0	1054.5	1076.0
132.5°	231.2	439.3	916.8	1061.2	1093.6
135°	248.0	451.4	888.0	1039.8	1116.0
137.5°	269.2	460.1	860.4	1039.1	1088.4
140°	282.0	461.9	846.0	1062.1	1066.0
142.5°	296.4	466.9	842.8	1059.6	1093.2
145°	318.0	474.5	838.0	1010.1	1100.0
147.5°	339.6	479.2	819.6	955.4	1034.0
150°	354.0	481.1	802.0	937.1	986.0
152.5°	368.4	483.0	779.6	925.8	966.8
155°	386.0	483.8	746.0	899.1	946.0
157.5°	404.4	481.5	705.6	850.4	901.6
160°	414.0	478.5	680.0	815.0	860.0
162.5°	423.6	477.2	657.6	768.8	821.6
165°	438.0	479.1	602.0	708.8	742.0
167.5°	447.6	477.3	550.0	637.5	684.4
170°	454.0	477.5	518.0	582.9	622.0
172.5°	458.8	469.8	498.8	533.0	559.6
175°	464.0	469.9	478.0	486.2	496.0
177.5°	465.6	468.7	462.4	460.9	464.0
180°	464.0	464.0	464.0	464.0	464.0

(END OF REPORT)