

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: P1056969

Luminaire Tested: CB2-B-030U-085D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056969
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-835-1D-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9832.5 lumens
Efficiency: N/A
Efficacy: 132.7 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

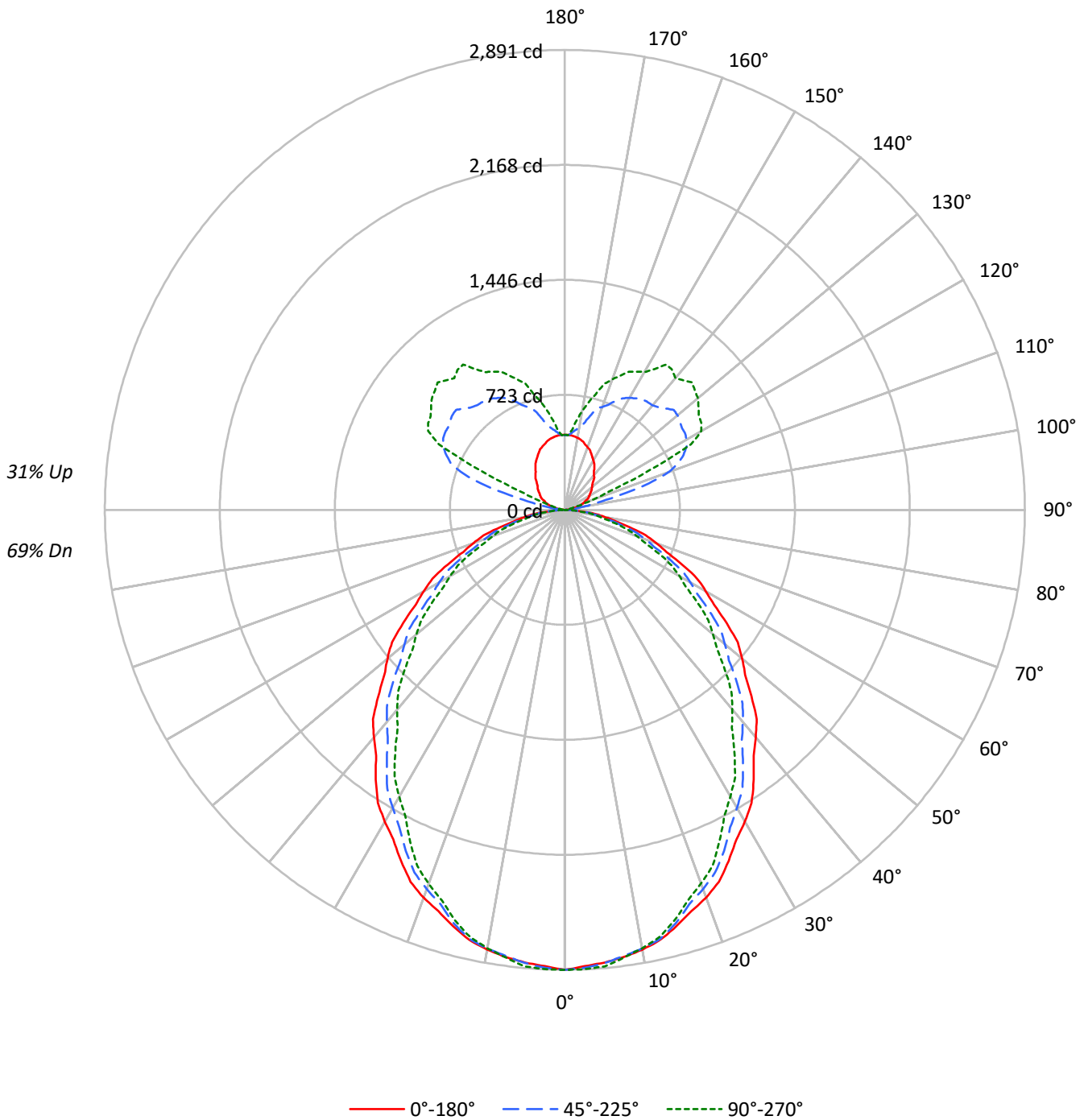
Input Watts (W): 74.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR	0	112	112	112	112	105	105	105	105	94	94	94	83	83	83	73	73	73	69	69	69	69	69	69	69	69	69	69	69	69																
	1	102	98	94	90	96	93	89	86	83	80	78	73	72	70	65	64	62	58	58	58	58	58	58	58	58	58	58	58	58																
	2	93	86	80	74	88	81	76	71	73	68	65	65	62	59	58	55	53	49	49	49	49	49	49	49	49	49	49	49	49																
	3	85	76	68	62	80	72	65	60	64	59	55	58	53	50	51	48	45	42	42	42	42	42	42	42	42	42	42	42	42																
	4	78	67	59	53	74	64	57	51	57	52	47	52	47	43	46	42	39	36	36	36	36	36	36	36	36	36	36	36	36																
	5	72	60	52	46	68	57	50	44	52	45	41	46	41	38	42	38	34	32	32	32	32	32	32	32	32	32	32	32	32																
	6	66	54	46	40	63	52	44	39	47	40	36	42	37	33	38	34	30	28	28	28	28	28	28	28	28	28	28	28	28																
	7	62	49	41	35	58	47	39	34	43	36	32	38	33	29	35	30	27	25	25	25	25	25	25	25	25	25	25	25	25																
	8	57	45	37	31	54	43	36	30	39	33	28	35	30	26	32	28	25	22	22	22	22	22	22	22	22	22	22	22	22																
	9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	25	22	20	20	20	20	20	20	20	20	20	20	20	20																
	10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18	18	18	18	18	18	18	18	18	18	18	18																

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	2.8
10°-20°	757.9	7.7
20°-30°	1089.8	11.1
30°-40°	1224.9	12.5
40°-50°	1183.3	12.0
50°-60°	999.8	10.2
60°-70°	718.1	7.3
70°-80°	392.5	4.0
80°-90°	104.2	1.1
90°-100°	35.2	0.4
100°-110°	218.2	2.2
110°-120°	550.3	5.6
120°-130°	661.5	6.7
130°-140°	599.8	6.1
140°-150°	478.3	4.9
150°-160°	326.2	3.3
160°-170°	172.5	1.8
170°-180°	48.0	0.5
0°-30°	2119.6	21.6
0°-40°	3344.5	34.0
0°-60°	5527.6	56.2
0°-90°	6742.4	68.6
90°-120°	803.7	8.2
90°-150°	2543.3	25.9
90°-180°	3090.0	31.4
0°-180°	9832.5	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°	18	46	14	10	10	23
105°	89	250	361	90	61	94
115°	154	340	823	766	584	151
125°	201	413	898	1022	1028	180
135°	251	458	900	1054	1131	195
145°	322	481	849	1024	1115	202
155°	391	490	756	911	959	180
165°	444	486	610	718	752	125
175°	470	476	484	493	503	45
180°	470	470	470	470	470	



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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°	4.9	8.0	3.2	3.2	3.2
95°	18.2	46.0	14.2	10.1	10.1
97.5°	38.1	110.3	76.6	20.6	17.8
100°	52.7	159.7	131.8	30.3	24.3
102.5°	67.3	202.9	208.0	48.0	37.3
105°	89.2	249.7	360.8	90.5	60.8
107.5°	110.7	280.3	553.0	186.8	112.7
110°	123.7	298.1	697.3	291.3	174.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	136.6	315.8	776.8	466.9	300.8
115°	154.1	340.4	823.0	766.1	583.8
117.5°	168.7	362.9	862.7	947.5	893.9
120°	178.4	380.5	883.8	973.4	991.2
122.5°	188.1	393.5	895.2	983.5	1017.2
125°	200.7	412.8	898.0	1021.8	1027.7
127.5°	213.2	427.3	911.4	1057.0	1059.8
130°	223.0	437.0	924.3	1068.8	1090.6
132.5°	234.3	445.2	929.2	1075.5	1108.4
135°	251.4	457.5	900.0	1053.8	1131.1
137.5°	272.8	466.3	872.0	1053.2	1103.1
140°	285.8	468.2	857.5	1076.5	1080.4
142.5°	300.4	473.2	854.2	1073.9	1108.0
145°	322.3	480.9	849.3	1023.7	1114.9
147.5°	344.2	485.7	830.7	968.3	1048.0
150°	358.8	487.6	812.9	949.8	999.3
152.5°	373.4	489.5	790.2	938.3	979.9
155°	391.2	490.3	756.1	911.2	958.8
157.5°	409.9	488.0	715.2	861.9	913.8
160°	419.6	485.0	689.2	826.1	871.6
162.5°	429.3	483.6	666.5	779.2	832.7
165°	443.9	485.6	610.2	718.4	752.0
167.5°	453.7	483.8	557.4	646.1	693.7
170°	460.1	483.9	525.0	590.8	630.4
172.5°	465.0	476.1	505.6	540.2	567.2
175°	470.3	476.2	484.5	492.8	502.7
177.5°	471.9	475.1	468.7	467.1	470.3
180°	470.3	470.3	470.3	470.3	470.3

(END OF REPORT)