

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: P1057076

Luminaire Tested: CB3-B-030U-085D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057076
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-030U-085D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8849.7 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

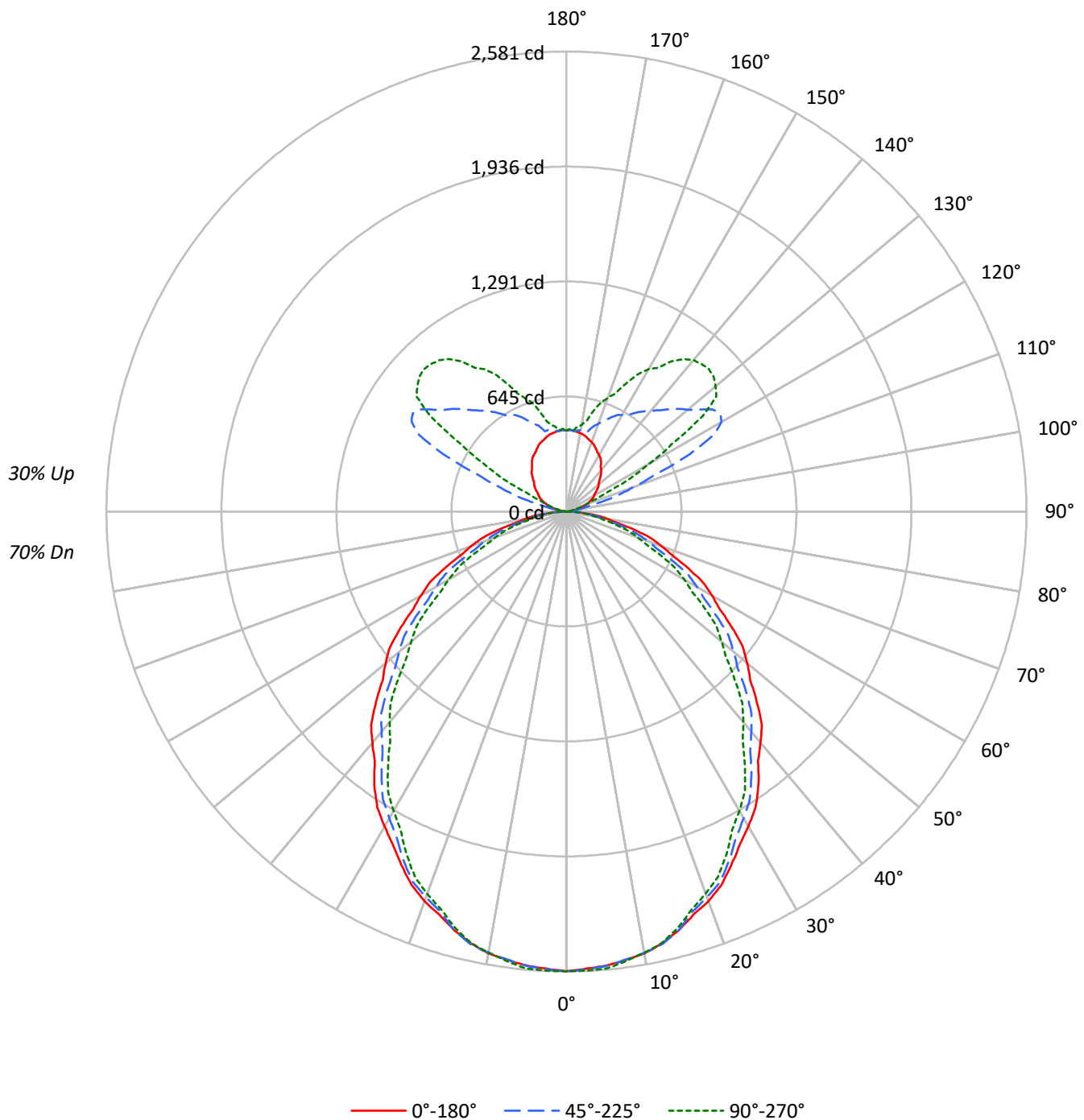
Input Watts (W): 69.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RCR																	
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74
1	102	98	94	91	97	93	90	86	83	81	78	74	72	71	66	65	63
2	94	86	80	75	88	82	76	71	73	69	65	66	62	59	59	56	54
3	86	76	68	62	81	72	65	60	65	60	55	58	54	50	52	49	46
4	78	67	59	53	74	64	57	51	58	52	47	52	47	44	47	43	40
5	72	60	52	46	68	57	50	44	52	46	41	47	42	38	42	38	35
6	67	54	46	40	63	52	44	39	47	41	36	43	37	33	38	34	31
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	35	31	28
8	57	45	37	31	54	43	36	31	39	33	29	36	30	27	32	28	25
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	22
10	50	38	30	26	48	36	29	25	33	27	23	30	25	22	28	24	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14602	14602	14602
5°	14533	14543	14627
10°	14469	14448	14448
15°	14247	14247	14161
20°	14016	13873	13751
25°	13663	13491	13251
30°	13328	12981	12670
35°	12977	12496	12052
40°	12509	11914	11399
45°	12085	11395	10692
50°	11648	10777	10003
55°	11174	10180	9347
60°	10661	9562	8608
65°	10061	8859	7828
70°	9369	8036	6974
75°	8494	7051	6210
80°	7405	5913	5493
85°	5712	4998	4998

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.5	2.8
10°-20°	684.2	7.7
20°-30°	994.0	11.2
30°-40°	1130.1	12.8
40°-50°	1097.1	12.4
50°-60°	926.3	10.5
60°-70°	659.0	7.4
70°-80°	352.1	4.0
80°-90°	93.0	1.1
90°-100°	30.7	0.3
100°-110°	160.9	1.8
110°-120°	405.0	4.6
120°-130°	624.8	7.1
130°-140°	572.0	6.5
140°-150°	422.1	4.8
150°-160°	269.1	3.0
160°-170°	141.7	1.6
170°-180°	44.1	0.5
0°-30°	1921.7	21.7
0°-40°	3051.9	34.5
0°-60°	5075.2	57.3
0°-90°	6179.4	69.8
90°-120°	596.6	6.7
90°-150°	2215.5	25.0
90°-180°	2670.0	30.2
0°-180°	8849.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2581	2581	2581	2581	2581	
5°	2559	2591	2561	2558	2576	243
15°	2433	2454	2433	2418	2418	685
25°	2189	2196	2161	2132	2123	1008
35°	1879	1861	1809	1756	1745	1171
45°	1510	1487	1424	1356	1336	1165
55°	1133	1102	1032	966	948	1013
65°	752	725	662	603	585	744
75°	389	367	323	290	284	414
85°	88	81	77	77	77	104
90°	0	0	0	0	0	4
95°	16	45	18	10	10	20
105°	82	254	184	76	62	88
115°	156	318	764	332	252	152
125°	208	321	1000	1008	932	186
135°	268	358	810	1105	1130	207
145°	338	391	676	940	1028	210
155°	390	419	580	718	792	180
165°	432	444	466	545	582	122
175°	456	466	452	454	458	43
180°	454	454	454	454	454	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2581.1	2581.1	2581.1	2581.1	2581.1
2.5°	2567.9	2593.7	2570.8	2573.9	2579.6
5°	2559.1	2591.3	2560.9	2557.6	2575.6
7.5°	2539.3	2568.7	2537.1	2529.7	2545.9
10°	2518.7	2551.0	2515.1	2506.1	2515.1
12.5°	2482.1	2515.8	2487.2	2472.3	2479.9
15°	2432.6	2454.1	2432.6	2417.9	2417.9
17.5°	2372.1	2394.7	2354.1	2343.8	2339.8
20°	2328.1	2347.8	2304.3	2289.5	2284.1
22.5°	2269.4	2287.7	2251.5	2226.4	2219.6
25°	2188.8	2195.9	2161.3	2131.7	2122.8
27.5°	2107.7	2109.5	2061.9	2026.1	2014.3
30°	2040.3	2042.1	1987.1	1948.4	1939.5
32.5°	1972.8	1967.4	1915.3	1869.3	1863.2
35°	1879.0	1861.0	1809.3	1755.9	1745.1
37.5°	1765.7	1754.9	1693.8	1640.3	1624.2
40°	1693.8	1675.9	1613.2	1559.6	1543.5
42.5°	1622.0	1601.2	1536.9	1477.5	1459.9
45°	1510.5	1487.2	1424.3	1356.1	1336.4
47.5°	1398.3	1372.9	1303.7	1237.6	1215.7
50°	1323.5	1296.6	1224.5	1159.8	1136.5
52.5°	1247.3	1218.9	1146.8	1080.8	1061.8
55°	1132.9	1102.4	1032.1	965.7	947.7
57.5°	1018.5	988.4	918.4	855.6	834.1
60°	942.2	913.6	845.1	782.3	760.8
62.5°	864.5	837.3	770.3	709.0	688.9
65°	751.6	724.7	661.8	602.7	584.8
67.5°	639.8	616.8	554.7	500.5	486.1
70°	566.4	544.9	485.8	436.0	421.6
72.5°	496.0	473.1	416.9	374.5	364.4
75°	388.6	367.1	322.6	289.5	284.1
77.5°	290.4	272.8	234.3	215.5	212.6
80°	227.3	211.2	181.5	168.6	168.6
82.5°	168.6	155.4	136.0	130.5	130.5
85°	88.0	80.8	77.0	77.0	77.0
87.5°	26.4	26.4	24.9	23.5	23.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.8	11.1	3.2	1.6	3.2
95°	16.0	45.3	18.0	10.0	10.0
97.5°	33.2	101.3	46.4	24.7	22.4
100°	46.0	143.8	72.0	35.9	32.0
102.5°	60.4	186.3	108.8	48.6	41.6
105°	82.0	254.1	184.0	75.7	62.0
107.5°	106.0	300.4	303.2	116.7	94.0
110°	122.0	319.5	404.0	153.2	118.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	136.4	324.5	538.4	208.9	161.2
115°	156.0	318.3	764.0	332.2	252.0
117.5°	170.4	303.0	935.2	528.5	407.6
120°	180.0	303.2	1004.0	676.9	542.0
122.5°	191.2	305.0	1023.2	824.4	700.4
125°	208.0	321.4	1000.0	1008.3	932.0
127.5°	224.8	333.5	937.6	1083.9	1060.0
130°	236.0	341.6	888.0	1109.6	1092.0
132.5°	247.2	349.7	852.8	1110.2	1119.2
135°	268.0	358.0	810.0	1104.6	1130.0
137.5°	289.2	368.2	770.0	1069.6	1122.4
140°	302.0	376.3	738.0	1031.7	1108.0
142.5°	316.4	382.9	707.6	996.6	1077.6
145°	338.0	390.8	676.0	940.0	1028.0
147.5°	354.8	395.1	640.4	882.8	955.6
150°	366.0	395.3	626.0	832.0	922.0
152.5°	375.6	403.4	608.4	785.5	867.6
155°	390.0	419.3	580.0	717.7	792.0
157.5°	404.4	432.6	546.4	667.1	717.6
160°	414.0	437.5	524.0	642.8	676.0
162.5°	422.0	442.3	500.0	601.3	639.2
165°	432.0	443.7	466.0	544.8	582.0
167.5°	441.2	447.1	468.8	489.5	519.6
170°	446.0	451.9	464.0	484.2	494.0
172.5°	450.8	459.8	457.6	471.4	479.6
175°	456.0	465.8	452.0	454.1	458.0
177.5°	457.2	461.9	458.8	458.9	463.6
180°	454.0	454.0	454.0	454.0	454.0

(END OF REPORT)