

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: P1056968

Luminaire Tested: CB2-B-030U-085D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056968
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9012.2 lumens
Efficiency: N/A
Efficacy: 121.6 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

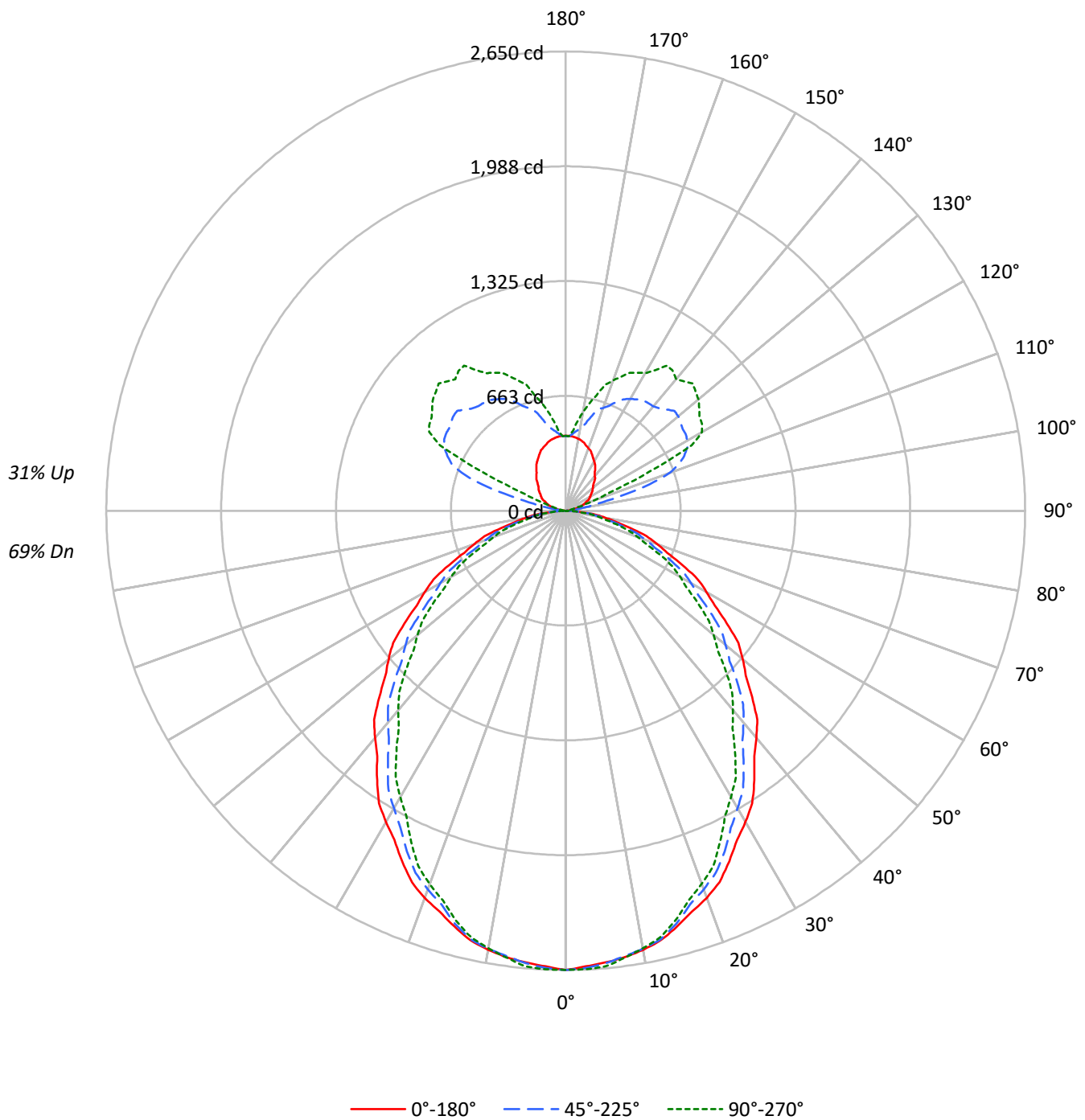
Input Watts (W): 74.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
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°	23080	23080	23080
5°	22884	22919	23079
10°	22753	22700	22681
15°	22394	22247	22064
20°	22040	21552	21251
25°	21448	20844	20260
30°	20855	19936	19182
35°	20171	19006	18100
40°	19447	18133	17071
45°	18719	17219	16070
50°	18063	16331	15093
55°	17254	15405	14172
60°	16329	14526	13255
65°	15346	13549	12335
70°	14262	12451	11160
75°	12975	11265	10104
80°	11600	9870	9158
85°	8923	8114	6695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18719 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.2	2.8
10°-20°	694.7	7.7
20°-30°	998.9	11.1
30°-40°	1122.7	12.5
40°-50°	1084.5	12.0
50°-60°	916.4	10.2
60°-70°	658.2	7.3
70°-80°	359.7	4.0
80°-90°	95.5	1.1
90°-100°	32.3	0.4
100°-110°	200.0	2.2
110°-120°	504.4	5.6
120°-130°	606.3	6.7
130°-140°	549.7	6.1
140°-150°	438.4	4.9
150°-160°	299.0	3.3
160°-170°	158.1	1.8
170°-180°	44.0	0.5
0°-30°	1942.8	21.6
0°-40°	3065.5	34.0
0°-60°	5066.4	56.2
0°-90°	6179.9	68.6
90°-120°	736.7	8.2
90°-150°	2331.1	25.9
90°-180°	2832.0	31.4
0°-180°	9012.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2650	2650	2650	2650	2650	
5°	2618	2653	2622	2622	2640	249
15°	2484	2506	2468	2443	2447	700
25°	2232	2234	2169	2120	2108	1028
35°	1897	1876	1788	1718	1702	1185
45°	1520	1488	1398	1325	1305	1174
55°	1136	1095	1015	951	933	1016
65°	745	717	658	610	599	738
75°	386	362	335	308	300	412
85°	89	83	81	71	67	106
90°	0	0	0	0	0	4
95°	17	42	13	9	9	21
105°	82	229	331	83	56	86
115°	141	312	754	702	535	138
125°	184	378	823	936	942	165
135°	230	419	825	966	1037	179
145°	295	441	778	938	1022	185
155°	359	449	693	835	879	165
165°	407	445	559	658	689	114
175°	431	436	444	452	461	41
180°	431	431	431	431	431	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2650.2	2650.2	2650.2	2650.2	2650.2
2.5°	2632.3	2664.0	2640.4	2643.8	2648.5
5°	2617.7	2653.4	2621.7	2622.2	2640.0
7.5°	2599.0	2632.7	2592.9	2585.6	2602.3
10°	2573.0	2606.8	2567.0	2553.0	2564.9
12.5°	2539.0	2571.1	2532.9	2510.8	2521.1
15°	2483.8	2505.6	2467.5	2443.3	2447.2
17.5°	2423.7	2437.2	2382.3	2361.9	2357.9
20°	2378.2	2390.1	2325.5	2297.0	2293.0
22.5°	2319.8	2330.1	2262.2	2227.1	2221.6
25°	2232.1	2234.1	2169.2	2120.3	2108.4
27.5°	2140.4	2134.1	2062.1	2004.1	1988.6
30°	2073.9	2065.9	1982.5	1921.3	1907.5
32.5°	2002.4	1988.1	1904.6	1838.6	1824.7
35°	1897.3	1875.5	1787.7	1718.4	1702.5
37.5°	1785.3	1760.7	1674.5	1599.0	1581.2
40°	1710.6	1682.8	1595.0	1519.5	1501.6
42.5°	1636.0	1605.0	1515.4	1439.9	1420.4
45°	1519.9	1488.1	1398.1	1324.6	1304.8
47.5°	1409.5	1369.0	1281.7	1208.6	1188.7
50°	1333.2	1289.5	1205.4	1133.9	1114.0
52.5°	1255.3	1210.0	1129.1	1060.8	1041.0
55°	1136.4	1094.7	1014.6	951.3	933.4
57.5°	1018.7	978.6	905.4	845.0	827.5
60°	937.5	903.8	834.0	776.8	761.0
62.5°	859.6	829.0	762.6	710.3	694.4
65°	744.7	716.9	657.5	610.5	598.6
67.5°	633.1	605.3	557.2	515.1	501.6
70°	560.1	532.3	489.0	450.2	438.3
72.5°	490.3	460.9	425.7	390.2	381.5
75°	385.6	361.7	334.8	308.3	300.3
77.5°	293.0	270.0	250.4	231.7	229.7
80°	231.3	211.5	196.8	184.6	182.6
82.5°	172.9	157.8	148.1	139.2	138.8
85°	89.3	83.3	81.2	70.9	67.0
87.5°	26.0	26.0	22.7	19.5	19.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.5	7.4	3.0	3.0	3.0
95°	16.7	42.2	13.0	9.3	9.3
97.5°	34.9	101.1	70.2	18.9	16.4
100°	48.3	146.4	120.8	27.7	22.3
102.5°	61.7	185.9	190.6	44.0	34.2
105°	81.8	228.9	330.7	83.0	55.7
107.5°	101.4	257.0	506.9	171.2	103.3
110°	113.3	273.2	639.1	267.0	159.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	125.2	289.5	712.0	428.0	275.7
115°	141.2	312.0	754.3	702.2	535.1
117.5°	154.6	332.6	790.7	868.4	819.4
120°	163.5	348.8	810.1	892.2	908.5
122.5°	172.4	360.6	820.5	901.4	932.3
125°	183.9	378.3	823.1	936.5	942.0
127.5°	195.5	391.7	835.3	968.8	971.3
130°	204.4	400.6	847.2	979.6	999.6
132.5°	214.8	408.1	851.7	985.8	1015.9
135°	230.4	419.3	824.9	965.9	1036.7
137.5°	250.1	427.4	799.3	965.3	1011.1
140°	262.0	429.1	785.9	986.7	990.3
142.5°	275.3	433.8	782.9	984.3	1015.6
145°	295.4	440.7	778.5	938.3	1021.9
147.5°	315.5	445.2	761.4	887.5	960.6
150°	328.9	446.9	745.0	870.6	916.0
152.5°	342.2	448.7	724.2	860.0	898.1
155°	358.6	449.4	693.0	835.2	878.8
157.5°	375.7	447.3	655.5	790.0	837.6
160°	384.6	444.5	631.7	757.1	798.9
162.5°	393.5	443.3	610.9	714.2	763.2
165°	406.9	445.0	559.2	658.4	689.3
167.5°	415.8	443.4	510.9	592.2	635.8
170°	421.8	443.6	481.2	541.5	577.8
172.5°	426.2	436.4	463.4	495.1	519.9
175°	431.0	436.5	444.1	451.7	460.8
177.5°	432.5	435.4	429.6	428.1	431.0
180°	431.0	431.0	431.0	431.0	431.0

(END OF REPORT)