

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: P1056966

Luminaire Tested: CB2-B-030U-055D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056966
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-055D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 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: 7507.4 lumens
Efficiency: N/A
Efficacy: 136.7 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: General Diffuse

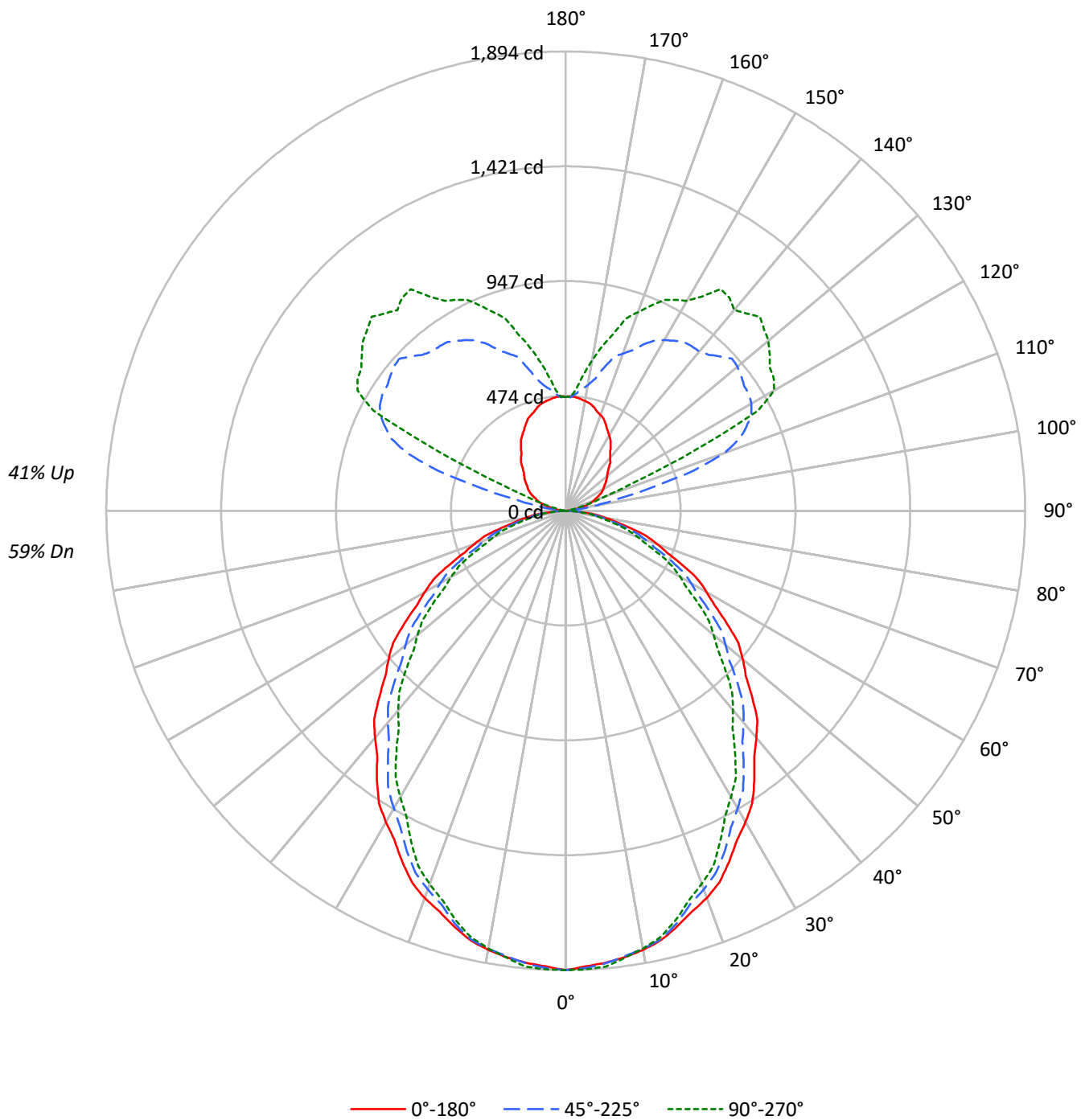
Input Watts (W): 54.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64
1	100	96	92	88	93	89	86	83	78	75	73	67	65	64	57	56	55
2	91	84	78	73	85	78	73	69	68	64	61	59	56	53	51	48	46
3	83	74	67	61	78	69	63	58	61	56	51	52	49	45	45	42	40
4	76	66	58	52	71	62	54	49	54	48	44	47	43	39	40	37	34
5	70	59	50	44	65	55	48	42	48	43	38	42	38	34	36	33	30
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	30	27
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21
9	52	40	32	27	49	38	31	26	33	28	24	30	25	22	26	22	19
10	49	37	29	24	46	35	28	23	31	25	22	27	23	20	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16497	16497	16497
5°	16357	16382	16496
10°	16264	16225	16213
15°	16006	15901	15771
20°	15754	15405	15190
25°	15331	14899	14481
30°	14907	14250	13710
35°	14418	13585	12937
40°	13900	12960	12202
45°	13380	12309	11486
50°	12910	11673	10788
55°	12332	11011	10130
60°	11671	10382	9473
65°	10969	9683	8818
70°	10193	8902	7977
75°	9273	8052	7224
80°	8295	7056	6545
85°	6375	5795	4786

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 13380 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.1	2.4
10°-20°	496.6	6.6
20°-30°	714.0	9.5
30°-40°	802.5	10.7
40°-50°	775.2	10.3
50°-60°	655.0	8.7
60°-70°	470.5	6.3
70°-80°	257.1	3.4
80°-90°	68.3	0.9
90°-100°	35.2	0.5
100°-110°	218.2	2.9
110°-120°	550.3	7.3
120°-130°	661.5	8.8
130°-140°	599.8	8.0
140°-150°	478.3	6.4
150°-160°	326.2	4.3
160°-170°	172.5	2.3
170°-180°	48.0	0.6
0°-30°	1388.7	18.5
0°-40°	2191.2	29.2
0°-60°	3621.4	48.2
0°-90°	4417.3	58.8
90°-120°	803.7	10.7
90°-150°	2543.3	33.9
90°-180°	3090.0	41.2
0°-180°	7507.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1894	1894	1894	1894	1894	
5°	1871	1897	1874	1874	1887	178
15°	1775	1791	1764	1746	1749	500
25°	1596	1597	1550	1516	1507	734
35°	1356	1341	1278	1228	1217	847
45°	1086	1064	999	947	933	839
55°	812	782	725	680	667	726
65°	532	512	470	436	428	528
75°	276	259	239	220	215	295
85°	64	60	58	51	48	76
90°	0	0	0	0	0	3
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°	1894.3	1894.3	1894.3	1894.3	1894.3
2.5°	1881.5	1904.2	1887.3	1889.7	1893.1
5°	1871.1	1896.6	1874.0	1874.3	1887.0
7.5°	1857.7	1881.8	1853.4	1848.1	1860.0
10°	1839.2	1863.3	1834.8	1824.9	1833.4
12.5°	1814.8	1837.8	1810.4	1794.7	1802.0
15°	1775.3	1790.9	1763.7	1746.4	1749.2
17.5°	1732.4	1742.1	1702.8	1688.3	1685.4
20°	1699.9	1708.4	1662.2	1641.8	1639.0
22.5°	1658.1	1665.5	1617.0	1591.9	1587.9
25°	1595.5	1596.9	1550.5	1515.5	1507.0
27.5°	1529.9	1525.4	1473.9	1432.5	1421.4
30°	1482.4	1476.7	1417.1	1373.3	1363.4
32.5°	1431.3	1421.1	1361.4	1314.2	1304.2
35°	1356.2	1340.6	1277.8	1228.3	1216.9
37.5°	1276.1	1258.5	1196.9	1142.9	1130.2
40°	1222.7	1202.9	1140.0	1086.1	1073.3
42.5°	1169.3	1147.2	1083.2	1029.2	1015.3
45°	1086.4	1063.7	999.4	946.8	932.6
47.5°	1007.5	978.5	916.1	863.9	849.7
50°	952.9	921.7	861.6	810.5	796.3
52.5°	897.2	864.9	807.0	758.3	744.1
55°	812.2	782.5	725.2	680.0	667.2
57.5°	728.1	699.5	647.2	604.0	591.5
60°	670.1	646.0	596.1	555.3	543.9
62.5°	614.4	592.6	545.1	507.7	496.3
65°	532.3	512.5	469.9	436.4	427.9
67.5°	452.5	432.7	398.3	368.2	358.5
70°	400.3	380.5	349.6	321.8	313.3
72.5°	350.4	329.4	304.3	278.9	272.7
75°	275.6	258.6	239.3	220.3	214.7
77.5°	209.4	193.0	179.0	165.6	164.2
80°	165.4	151.2	140.7	132.0	130.5
82.5°	123.6	112.8	105.9	99.5	99.2
85°	63.8	59.6	58.0	50.7	47.9
87.5°	18.6	18.6	16.2	13.9	13.9
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)