

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: P1057074

Luminaire Tested: CB3-B-030U-055D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057074
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-055D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-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: 7330.3 lumens
Efficiency: N/A
Efficacy: 144.9 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

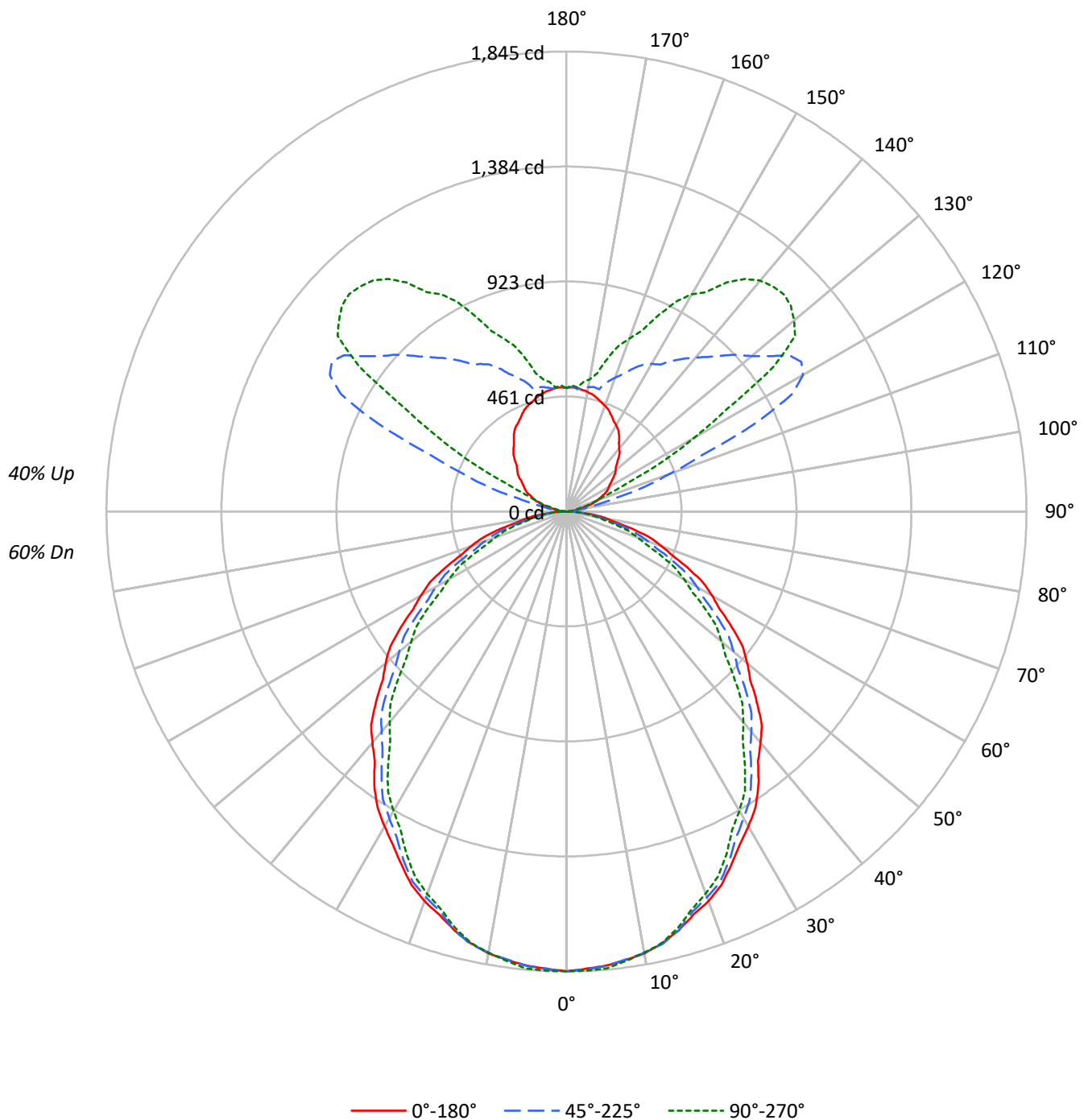
Input Watts (W): 50.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35
5	70	59	51	45	66	55	48	43	49	43	38	43	38	35	37	34	31
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	24	21	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10437	10437	10437
5°	10388	10395	10455
10°	10342	10327	10327
15°	10184	10184	10122
20°	10018	9916	9829
25°	9766	9643	9471
30°	9527	9279	9056
35°	9275	8932	8615
40°	8941	8516	8148
45°	8638	8145	7642
50°	8326	7704	7150
55°	7987	7276	6681
60°	7620	6834	6153
65°	7191	6332	5595
70°	6697	5743	4985
75°	6072	5040	4439
80°	5294	4225	3926
85°	4083	3570	3570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8638 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.1	2.4
10°-20°	489.0	6.7
20°-30°	710.5	9.7
30°-40°	807.8	11.0
40°-50°	784.2	10.7
50°-60°	662.1	9.0
60°-70°	471.1	6.4
70°-80°	251.7	3.4
80°-90°	66.5	0.9
90°-100°	33.5	0.5
100°-110°	175.5	2.4
110°-120°	441.9	6.0
120°-130°	681.7	9.3
130°-140°	624.0	8.5
140°-150°	460.5	6.3
150°-160°	293.6	4.0
160°-170°	154.6	2.1
170°-180°	48.1	0.7
0°-30°	1373.6	18.7
0°-40°	2181.4	29.8
0°-60°	3627.7	49.5
0°-90°	4416.9	60.3
90°-120°	650.9	8.9
90°-150°	2417.1	33.0
90°-180°	2913.0	39.7
0°-180°	7330.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1845	1845	1845	1845	1845	
5°	1829	1852	1830	1828	1841	174
15°	1739	1754	1739	1728	1728	490
25°	1564	1570	1545	1524	1517	721
35°	1343	1330	1293	1255	1247	837
45°	1080	1063	1018	969	955	833
55°	810	788	738	690	677	724
65°	537	518	473	431	418	532
75°	278	262	231	207	203	296
85°	63	58	55	55	55	75
90°	0	0	0	0	0	3
95°	18	50	20	11	11	22
105°	90	277	201	83	68	96
115°	170	347	834	362	275	166
125°	227	351	1091	1100	1017	203
135°	292	390	884	1205	1233	226
145°	369	426	738	1026	1122	229
155°	426	458	633	783	864	196
165°	471	484	508	594	635	133
175°	498	508	493	495	500	47
180°	495	495	495	495	495	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1844.9	1844.9	1844.9	1844.9	1844.9
2.5°	1835.5	1853.9	1837.6	1839.7	1843.8
5°	1829.2	1852.2	1830.5	1828.1	1841.0
7.5°	1815.0	1836.0	1813.4	1808.2	1819.7
10°	1800.3	1823.4	1797.7	1791.3	1797.7
12.5°	1774.1	1798.2	1777.8	1767.2	1772.6
15°	1738.8	1754.1	1738.8	1728.3	1728.3
17.5°	1695.5	1711.7	1682.7	1675.3	1672.5
20°	1664.1	1678.2	1647.0	1636.5	1632.6
22.5°	1622.1	1635.2	1609.3	1591.4	1586.5
25°	1564.5	1569.6	1544.8	1523.7	1517.3
27.5°	1506.6	1507.9	1473.8	1448.2	1439.7
30°	1458.4	1459.6	1420.4	1392.7	1386.3
32.5°	1410.1	1406.3	1369.0	1336.1	1331.8
35°	1343.0	1330.2	1293.3	1255.1	1247.4
37.5°	1262.1	1254.4	1210.7	1172.4	1160.9
40°	1210.7	1197.9	1153.1	1114.8	1103.3
42.5°	1159.3	1144.5	1098.5	1056.1	1043.5
45°	1079.7	1063.0	1018.1	969.3	955.2
47.5°	999.5	981.3	931.9	884.6	869.0
50°	946.0	926.8	875.3	829.0	812.4
52.5°	891.5	871.3	819.7	772.5	758.9
55°	809.8	788.0	737.7	690.2	677.4
57.5°	728.0	706.5	656.5	611.6	596.2
60°	673.5	653.0	604.0	559.1	543.8
62.5°	617.9	598.5	550.6	506.8	492.4
65°	537.2	518.0	473.0	430.8	418.0
67.5°	457.3	440.9	396.5	357.7	347.5
70°	404.9	389.5	347.2	311.6	301.4
72.5°	354.6	338.2	298.0	267.7	260.5
75°	277.8	262.4	230.6	206.9	203.1
77.5°	207.6	195.0	167.5	154.0	152.0
80°	162.5	150.9	129.7	120.5	120.5
82.5°	120.5	111.1	97.2	93.3	93.3
85°	62.9	57.8	55.0	55.0	55.0
87.5°	18.9	18.9	17.8	16.8	16.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.2	12.1	3.5	1.8	3.5
95°	17.5	49.5	19.6	10.9	10.9
97.5°	36.2	110.5	50.6	27.0	24.4
100°	50.2	156.9	78.6	39.2	34.9
102.5°	65.9	203.3	118.7	53.1	45.4
105°	89.5	277.2	200.7	82.6	67.6
107.5°	115.6	327.7	330.8	127.3	102.6
110°	133.1	348.6	440.8	167.1	128.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	148.8	354.1	587.4	227.9	175.9
115°	170.2	347.3	833.5	362.4	274.9
117.5°	185.9	330.6	1020.3	576.6	444.7
120°	196.4	330.8	1095.4	738.5	591.3
122.5°	208.6	332.8	1116.3	899.4	764.1
125°	226.9	350.7	1091.0	1100.0	1016.8
127.5°	245.3	363.9	1022.9	1182.5	1156.5
130°	257.5	372.7	968.8	1210.6	1191.4
132.5°	269.7	381.5	930.4	1211.3	1221.1
135°	292.4	390.5	883.7	1205.1	1232.9
137.5°	315.5	401.7	840.1	1167.0	1224.6
140°	329.5	410.6	805.2	1125.6	1208.8
142.5°	345.2	417.7	772.0	1087.4	1175.7
145°	368.8	426.4	737.5	1025.6	1121.6
147.5°	387.1	431.0	698.7	963.2	1042.6
150°	399.3	431.3	683.0	907.8	1005.9
152.5°	409.8	440.1	663.8	857.0	946.6
155°	425.5	457.5	632.8	783.0	864.1
157.5°	441.2	471.9	596.1	727.9	782.9
160°	451.7	477.3	571.7	701.3	737.5
162.5°	460.4	482.6	545.5	656.0	697.4
165°	471.3	484.1	508.4	594.4	635.0
167.5°	481.4	487.8	511.5	534.0	566.9
170°	486.6	493.0	506.2	528.3	539.0
172.5°	491.8	501.6	499.3	514.3	523.3
175°	497.5	508.2	493.1	495.4	499.7
177.5°	498.8	503.9	500.6	500.7	505.8
180°	495.3	495.3	495.3	495.3	495.3

(END OF REPORT)