

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: P1057075

Luminaire Tested: CB3-B-030U-055D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057075
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7232.5 lumens
Efficiency: N/A
Efficacy: 142.9 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

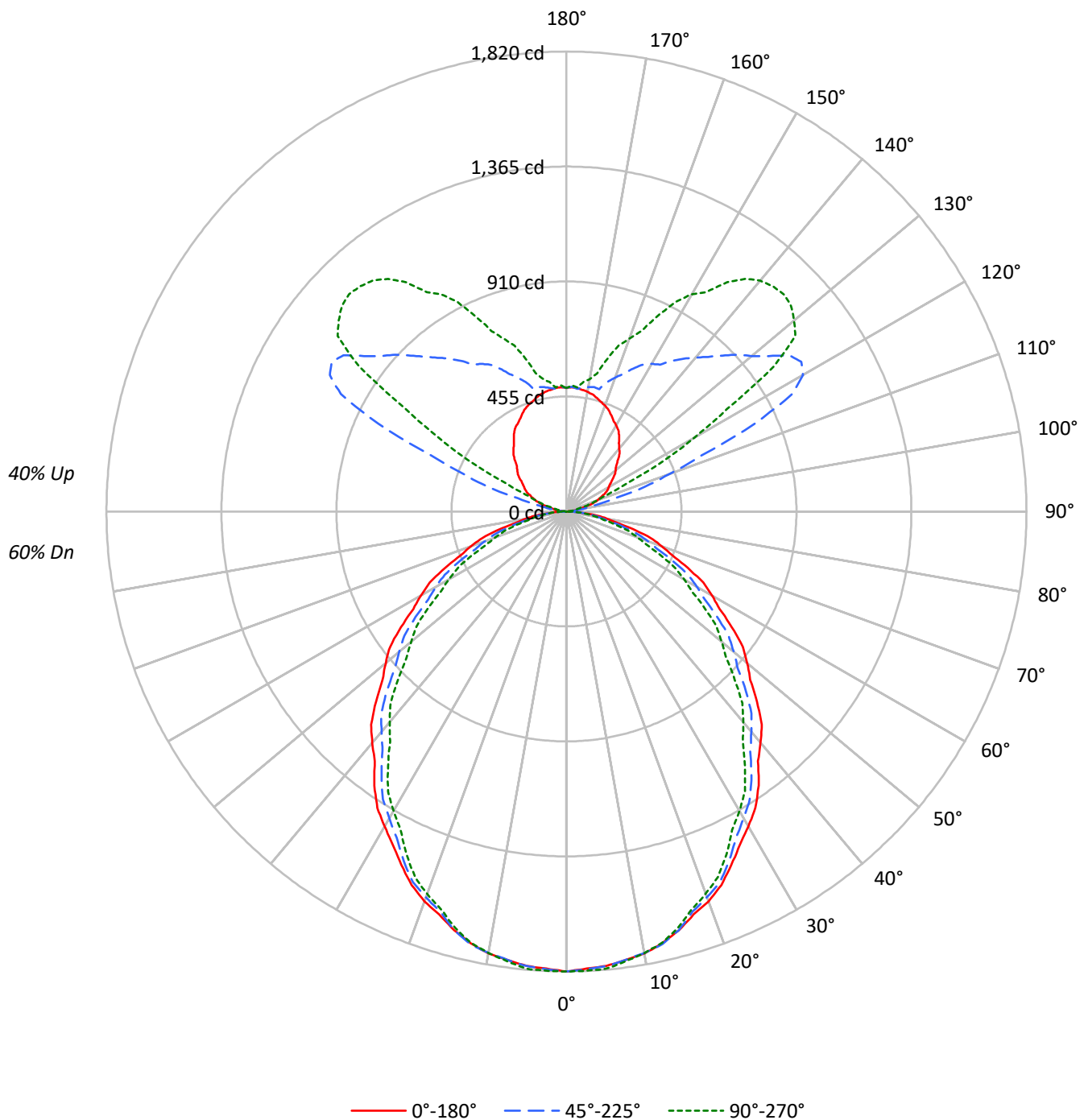
Input Watts (W): 50.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	10298	10298	10298
5°	10249	10257	10315
10°	10204	10190	10190
15°	10048	10048	9987
20°	9885	9784	9698
25°	9635	9514	9345
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8402	8039
45°	8523	8037	7541
50°	8215	7601	7055
55°	7881	7179	6593
60°	7519	6743	6070
65°	7096	6247	5521
70°	6608	5667	4918
75°	5991	4973	4380
80°	5222	4170	3874
85°	4031	3525	3525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8523 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	2.4
10°-20°	482.5	6.7
20°-30°	701.0	9.7
30°-40°	797.0	11.0
40°-50°	773.7	10.7
50°-60°	653.3	9.0
60°-70°	464.8	6.4
70°-80°	248.3	3.4
80°-90°	65.6	0.9
90°-100°	33.0	0.5
100°-110°	173.2	2.4
110°-120°	436.0	6.0
120°-130°	672.6	9.3
130°-140°	615.7	8.5
140°-150°	454.4	6.3
150°-160°	289.7	4.0
160°-170°	152.5	2.1
170°-180°	47.5	0.7
0°-30°	1355.3	18.7
0°-40°	2152.3	29.8
0°-60°	3579.3	49.5
0°-90°	4358.0	60.3
90°-120°	642.2	8.9
90°-150°	2384.9	33.0
90°-180°	2875.0	39.8
0°-180°	7232.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1805	1828	1806	1804	1816	171
15°	1716	1731	1716	1705	1705	483
25°	1544	1549	1524	1503	1497	711
35°	1325	1312	1276	1238	1231	826
45°	1065	1049	1004	956	942	822
55°	799	778	728	681	668	714
65°	530	511	467	425	412	525
75°	274	259	228	204	200	292
85°	62	57	54	54	54	74
90°	0	0	0	0	0	3
95°	17	49	19	11	11	22
105°	88	274	198	82	67	94
115°	168	343	822	358	271	164
125°	224	346	1076	1085	1003	200
135°	288	385	872	1189	1216	223
145°	364	421	728	1012	1107	226
155°	420	451	624	773	853	194
165°	465	478	502	586	626	131
175°	491	501	487	489	493	46
180°	489	489	489	489	489	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1820.3	1820.3	1820.3	1820.3	1820.3
2.5°	1811.0	1829.2	1813.1	1815.2	1819.3
5°	1804.8	1827.5	1806.1	1803.8	1816.4
7.5°	1790.8	1811.6	1789.3	1784.1	1795.5
10°	1776.3	1799.1	1773.8	1767.4	1773.8
12.5°	1750.5	1774.2	1754.1	1743.6	1748.9
15°	1715.6	1730.7	1715.6	1705.2	1705.2
17.5°	1672.9	1688.8	1660.2	1652.9	1650.2
20°	1641.9	1655.8	1625.1	1614.7	1610.9
22.5°	1600.5	1613.4	1587.8	1570.2	1565.4
25°	1543.6	1548.7	1524.2	1503.4	1497.1
27.5°	1486.5	1487.8	1454.2	1428.9	1420.6
30°	1438.9	1440.2	1401.4	1374.1	1367.8
32.5°	1391.3	1387.5	1350.7	1318.3	1314.0
35°	1325.1	1312.5	1276.0	1238.4	1230.8
37.5°	1245.2	1237.7	1194.6	1156.8	1145.4
40°	1194.6	1181.9	1137.7	1099.9	1088.6
42.5°	1143.9	1129.2	1083.9	1042.0	1029.6
45°	1065.3	1048.9	1004.5	956.4	942.5
47.5°	986.2	968.2	919.5	872.8	857.4
50°	933.4	914.5	863.6	818.0	801.6
52.5°	879.6	859.7	808.8	762.2	748.8
55°	799.0	777.5	727.9	681.0	668.4
57.5°	718.3	697.1	647.7	603.4	588.2
60°	664.5	644.3	596.0	551.7	536.5
62.5°	609.7	590.5	543.2	500.0	485.8
65°	530.1	511.1	466.7	425.1	412.4
67.5°	451.2	435.0	391.2	353.0	342.9
70°	399.5	384.3	342.6	307.5	297.3
72.5°	349.8	333.7	294.0	264.1	257.0
75°	274.1	258.9	227.5	204.2	200.4
77.5°	204.8	192.4	165.2	152.0	150.0
80°	160.3	148.9	128.0	118.9	118.9
82.5°	118.9	109.6	95.9	92.0	92.0
85°	62.1	57.0	54.3	54.3	54.3
87.5°	18.6	18.6	17.6	16.5	16.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.2	11.9	3.4	1.8	3.4
95°	17.2	48.8	19.4	10.8	10.8
97.5°	35.7	109.0	49.9	26.6	24.1
100°	49.5	154.8	77.5	38.7	34.4
102.5°	65.0	200.6	117.1	52.4	44.8
105°	88.3	273.5	198.1	81.5	66.7
107.5°	114.1	323.4	326.4	125.6	101.2
110°	131.3	343.9	434.9	164.9	127.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	146.8	349.3	579.6	224.9	173.5
115°	167.9	342.7	822.4	357.6	271.3
117.5°	183.4	326.2	1006.7	568.9	438.8
120°	193.8	326.4	1080.8	728.7	583.4
122.5°	205.8	328.3	1101.4	887.4	754.0
125°	223.9	346.0	1076.5	1085.4	1003.3
127.5°	242.0	359.0	1009.3	1166.7	1141.1
130°	254.0	367.7	955.9	1194.5	1175.5
132.5°	266.1	376.4	918.0	1195.1	1204.8
135°	288.5	385.3	871.9	1189.1	1216.4
137.5°	311.3	396.4	828.9	1151.4	1208.2
140°	325.1	405.1	794.4	1110.6	1192.7
142.5°	340.6	412.2	761.7	1072.9	1160.0
145°	363.8	420.7	727.7	1011.9	1106.6
147.5°	381.9	425.3	689.4	950.4	1028.7
150°	394.0	425.6	673.9	895.7	992.5
152.5°	404.3	434.2	654.9	845.5	933.9
155°	419.8	451.4	624.4	772.6	852.6
157.5°	435.3	465.6	588.2	718.2	772.5
160°	445.7	470.9	564.1	691.9	727.7
162.5°	454.3	476.2	538.2	647.2	688.1
165°	465.0	477.7	501.6	586.5	626.5
167.5°	474.9	481.3	504.7	526.9	559.3
170°	480.1	486.4	499.5	521.3	531.8
172.5°	485.3	495.0	492.6	507.4	516.3
175°	490.9	501.4	486.6	488.8	493.0
177.5°	492.2	497.2	493.9	494.0	499.1
180°	488.7	488.7	488.7	488.7	488.7

(END OF REPORT)