

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: P1057073

Luminaire Tested: CB3-B-030U-055D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057073
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6718.7 lumens
Efficiency: N/A
Efficacy: 132.8 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

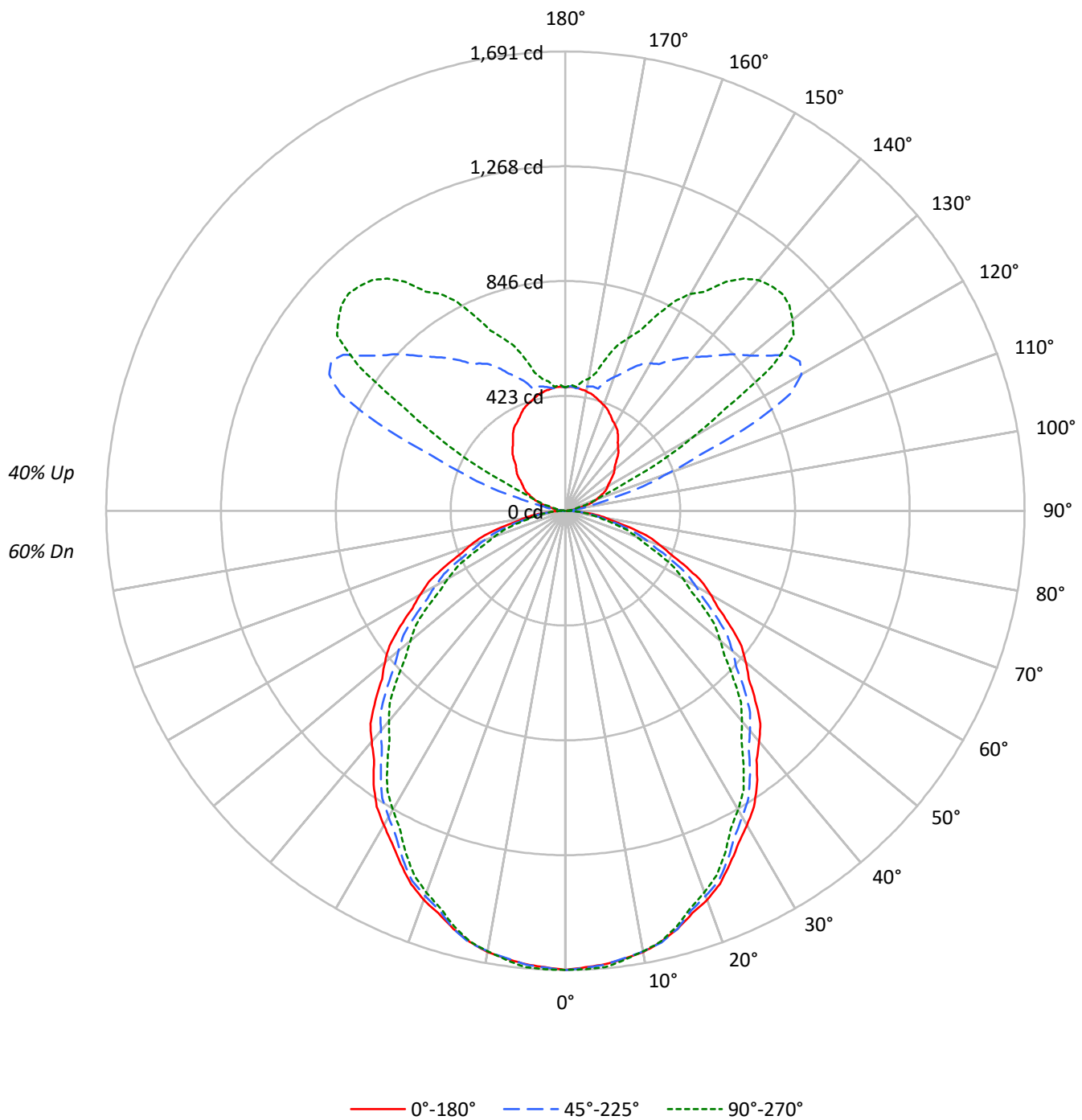
Input Watts (W): 50.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	9566	9566	9566
5°	9521	9528	9583
10°	9479	9465	9465
15°	9334	9334	9278
20°	9182	9088	9009
25°	8951	8838	8681
30°	8732	8505	8300
35°	8502	8187	7896
40°	8195	7805	7468
45°	7917	7466	7005
50°	7631	7061	6553
55°	7320	6668	6124
60°	6984	6264	5639
65°	6591	5804	5128
70°	6138	5265	4569
75°	5565	4621	4070
80°	4851	3874	3600
85°	3739	3271	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7917 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	2.4
10°-20°	448.2	6.7
20°-30°	651.2	9.7
30°-40°	740.4	11.0
40°-50°	718.8	10.7
50°-60°	606.8	9.0
60°-70°	431.8	6.4
70°-80°	230.7	3.4
80°-90°	60.9	0.9
90°-100°	30.7	0.5
100°-110°	160.9	2.4
110°-120°	405.0	6.0
120°-130°	624.8	9.3
130°-140°	572.0	8.5
140°-150°	422.1	6.3
150°-160°	269.1	4.0
160°-170°	141.7	2.1
170°-180°	44.1	0.7
0°-30°	1259.0	18.7
0°-40°	1999.4	29.8
0°-60°	3325.0	49.5
0°-90°	4048.4	60.3
90°-120°	596.6	8.9
90°-150°	2215.5	33.0
90°-180°	2670.0	39.7
0°-180°	6718.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1691	1691	1691	1691	1691	
5°	1677	1698	1678	1676	1687	159
15°	1594	1608	1594	1584	1584	449
25°	1434	1439	1416	1397	1391	661
35°	1231	1219	1185	1150	1143	767
45°	990	974	933	888	876	763
55°	742	722	676	633	621	664
65°	492	475	434	395	383	488
75°	255	240	211	190	186	271
85°	58	53	50	50	50	68
90°	0	0	0	0	0	3
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°	1691.0	1691.0	1691.0	1691.0	1691.0
2.5°	1682.3	1699.2	1684.2	1686.3	1690.0
5°	1676.6	1697.7	1677.8	1675.6	1687.4
7.5°	1663.6	1682.8	1662.1	1657.3	1667.9
10°	1650.1	1671.3	1647.7	1641.9	1647.7
12.5°	1626.1	1648.2	1629.5	1619.7	1624.7
15°	1593.7	1607.8	1593.7	1584.1	1584.1
17.5°	1554.1	1568.9	1542.3	1535.5	1532.9
20°	1525.2	1538.2	1509.6	1499.9	1496.4
22.5°	1486.8	1498.8	1475.0	1458.6	1454.1
25°	1434.0	1438.7	1415.9	1396.6	1390.7
27.5°	1380.9	1382.1	1350.9	1327.4	1319.6
30°	1336.7	1337.9	1301.9	1276.5	1270.6
32.5°	1292.5	1289.0	1254.8	1224.7	1220.7
35°	1231.0	1219.3	1185.4	1150.4	1143.3
37.5°	1156.8	1149.7	1109.7	1074.6	1064.1
40°	1109.7	1098.0	1056.9	1021.8	1011.2
42.5°	1062.6	1049.0	1006.9	968.0	956.5
45°	989.6	974.3	933.2	888.4	875.5
47.5°	916.1	899.4	854.1	810.8	796.5
50°	867.1	849.5	802.3	759.9	744.6
52.5°	817.1	798.6	751.3	708.1	695.6
55°	742.2	722.2	676.1	632.6	620.9
57.5°	667.3	647.5	601.7	560.5	546.4
60°	617.3	598.5	553.6	512.5	498.4
62.5°	566.4	548.5	504.6	464.5	451.3
65°	492.4	474.8	433.6	394.9	383.1
67.5°	419.1	404.1	363.4	327.9	318.5
70°	371.1	357.0	318.3	285.6	276.2
72.5°	325.0	310.0	273.1	245.3	238.8
75°	254.6	240.5	211.4	189.7	186.2
77.5°	190.2	178.7	153.5	141.2	139.3
80°	148.9	138.4	118.9	110.5	110.5
82.5°	110.5	101.8	89.1	85.5	85.5
85°	57.6	52.9	50.4	50.4	50.4
87.5°	17.3	17.3	16.3	15.4	15.4
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)