

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: P1056974

Luminaire Tested: CB2-B-055U-030D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056974
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-055U-030D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7587.2 lumens
Efficiency: N/A
Efficacy: 134.8 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-Indirect

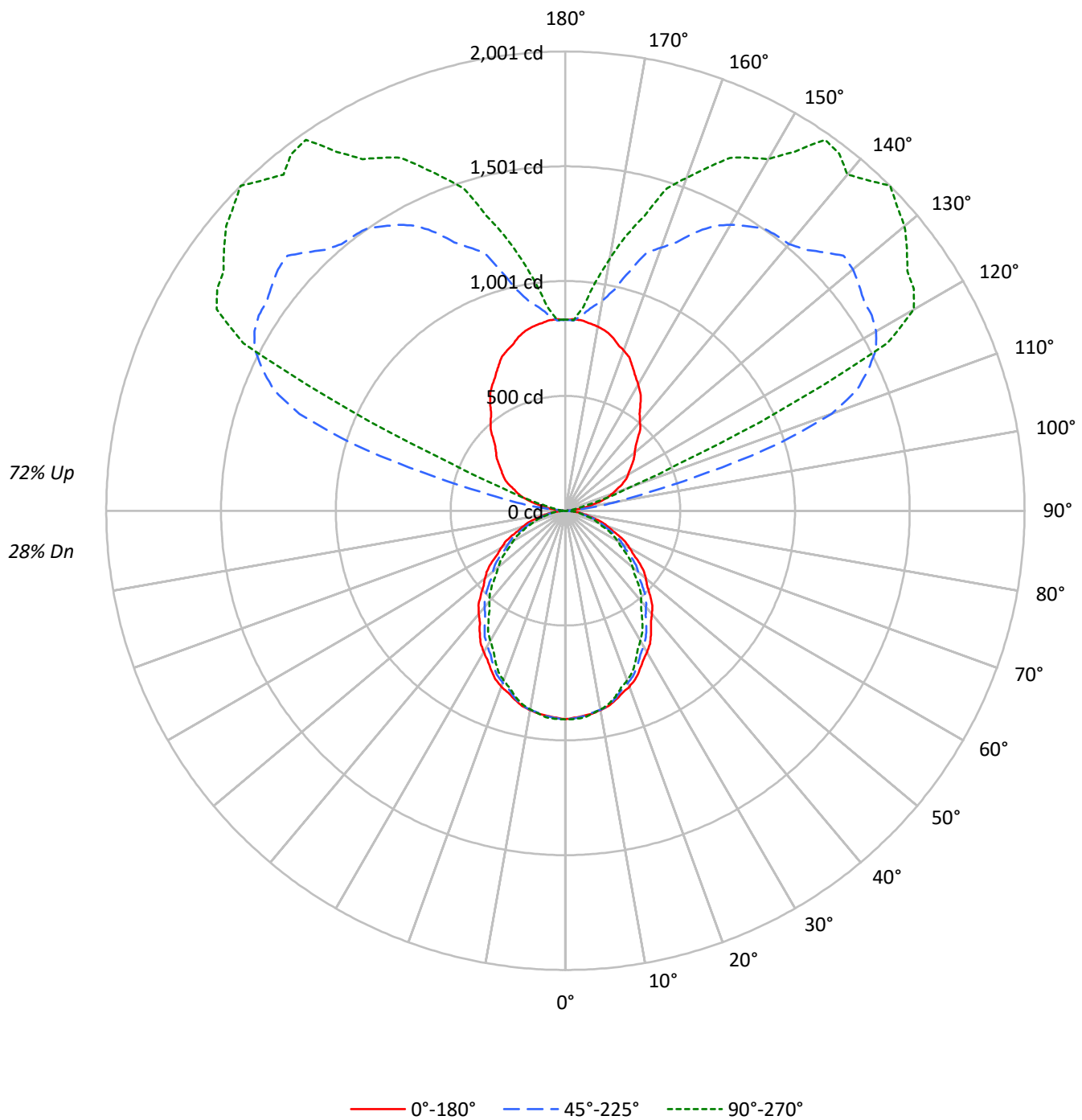
Input Watts (W): 56.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36
1	93	89	85	82	83	80	76	74	62	60	58	46	45	44	32	31	30
2	85	78	72	67	76	70	65	61	55	51	48	41	39	37	28	27	26
3	77	68	61	56	69	61	55	51	48	44	41	36	33	31	25	23	22
4	71	60	53	47	63	54	48	43	43	38	35	32	29	27	22	21	19
5	65	54	46	40	58	48	42	37	38	34	30	29	26	23	20	18	17
6	60	48	40	35	53	43	37	32	34	30	26	26	23	20	18	16	15
7	55	43	36	30	49	39	32	28	31	26	23	24	20	18	17	15	13
8	51	39	32	27	45	35	29	24	28	24	20	22	18	16	15	13	12
9	47	36	28	24	42	32	26	22	26	21	18	20	17	14	14	12	11
10	44	33	26	21	40	30	23	19	24	19	16	18	15	13	13	11	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7915	7915	7915
5°	7848	7860	7915
10°	7803	7785	7778
15°	7680	7629	7567
20°	7559	7391	7288
25°	7356	7148	6947
30°	7152	6837	6579
35°	6918	6518	6208
40°	6669	6218	5855
45°	6419	5905	5511
50°	6194	5601	5177
55°	5917	5284	4860
60°	5600	4981	4546
65°	5263	4647	4231
70°	4891	4270	3827
75°	4448	3863	3466
80°	3977	3385	3139
85°	3058	2778	2298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6419 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	1.1
10°-20°	238.2	3.1
20°-30°	342.6	4.5
30°-40°	385.0	5.1
40°-50°	371.9	4.9
50°-60°	314.3	4.1
60°-70°	225.7	3.0
70°-80°	123.4	1.6
80°-90°	32.8	0.4
90°-100°	62.3	0.8
100°-110°	386.1	5.1
110°-120°	973.7	12.8
120°-130°	1170.5	15.4
130°-140°	1061.3	14.0
140°-150°	846.3	11.2
150°-160°	577.3	7.6
160°-170°	305.3	4.0
170°-180°	85.0	1.1
0°-30°	666.3	8.8
0°-40°	1051.3	13.9
0°-60°	1737.5	22.9
0°-90°	2119.3	27.9
90°-120°	1422.2	18.7
90°-150°	4500.3	59.3
90°-180°	5468.0	72.1
0°-180°	7587.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	898	910	899	899	905	85
15°	852	859	846	838	839	240
25°	766	766	744	727	723	352
35°	651	643	613	589	584	406
45°	521	510	480	454	448	403
55°	390	375	348	326	320	348
65°	255	246	226	209	205	253
75°	132	124	115	106	103	141
85°	31	29	28	24	23	36
90°	0	0	0	0	0	2
95°	32	81	25	18	18	41
105°	158	442	638	160	108	166
115°	273	602	1456	1356	1033	267
125°	355	730	1589	1808	1818	318
135°	445	810	1592	1865	2001	346
145°	570	851	1503	1811	1973	357
155°	692	868	1338	1612	1697	319
165°	786	859	1080	1271	1331	220
175°	832	843	857	872	890	79
180°	832	832	832	832	832	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	908.9	908.9	908.9	908.9	908.9
2.5°	902.7	913.6	905.5	906.7	908.3
5°	897.7	910.0	899.1	899.2	905.4
7.5°	891.3	902.9	889.2	886.7	892.4
10°	882.4	894.0	880.3	875.5	879.6
12.5°	870.7	881.7	868.6	861.1	864.6
15°	851.8	859.3	846.2	837.9	839.3
17.5°	831.2	835.8	817.0	810.0	808.6
20°	815.6	819.7	797.5	787.7	786.4
22.5°	795.6	799.1	775.8	763.8	761.9
25°	765.5	766.2	743.9	727.1	723.0
27.5°	734.0	731.9	707.2	687.3	682.0
30°	711.2	708.5	679.9	658.9	654.2
32.5°	686.7	681.8	653.2	630.5	625.8
35°	650.7	643.2	613.1	589.3	583.9
37.5°	612.3	603.8	574.3	548.4	542.2
40°	586.6	577.1	547.0	521.1	515.0
42.5°	561.0	550.4	519.7	493.8	487.1
45°	521.2	510.3	479.5	454.3	447.5
47.5°	483.4	469.5	439.5	414.5	407.7
50°	457.2	442.2	413.4	388.9	382.1
52.5°	430.5	415.0	387.2	363.8	357.0
55°	389.7	375.4	348.0	326.2	320.1
57.5°	349.3	335.6	310.5	289.8	283.8
60°	321.5	309.9	286.0	266.4	261.0
62.5°	294.8	284.3	261.5	243.6	238.1
65°	255.4	245.9	225.5	209.4	205.3
67.5°	217.1	207.6	191.1	176.7	172.0
70°	192.1	182.5	167.7	154.4	150.3
72.5°	168.1	158.1	146.0	133.8	130.8
75°	132.2	124.1	114.8	105.7	103.0
77.5°	100.5	92.6	85.9	79.5	78.8
80°	79.3	72.5	67.5	63.3	62.6
82.5°	59.3	54.1	50.8	47.7	47.6
85°	30.6	28.6	27.8	24.3	23.0
87.5°	8.9	8.9	7.8	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	8.6	14.2	5.7	5.7	5.7
95°	32.3	81.4	25.1	17.9	17.9
97.5°	67.4	195.1	135.6	36.5	31.6
100°	93.3	282.6	233.1	53.6	43.0
102.5°	119.1	359.0	368.0	84.9	66.0
105°	157.8	441.9	638.5	160.2	107.6
107.5°	195.8	496.0	978.5	330.6	199.4
110°	218.8	527.4	1233.9	515.4	308.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	241.8	558.8	1374.5	826.2	532.3
115°	272.6	602.3	1456.2	1355.7	1033.0
117.5°	298.4	642.1	1526.5	1676.5	1581.8
120°	315.6	673.4	1563.9	1722.4	1754.0
122.5°	332.9	696.2	1583.9	1740.2	1799.9
125°	355.1	730.4	1589.0	1808.0	1818.5
127.5°	377.3	756.1	1612.6	1870.3	1875.2
130°	394.5	773.3	1635.6	1891.1	1929.7
132.5°	414.6	787.8	1644.2	1903.1	1961.3
135°	444.8	809.5	1592.5	1864.7	2001.4
137.5°	482.8	825.1	1543.0	1863.6	1951.9
140°	505.7	828.4	1517.2	1904.8	1911.8
142.5°	531.6	837.4	1511.5	1900.2	1960.6
145°	570.3	850.9	1502.9	1811.4	1972.7
147.5°	609.0	859.4	1469.9	1713.4	1854.4
150°	634.9	862.8	1438.3	1680.6	1768.3
152.5°	660.7	866.2	1398.1	1660.2	1733.9
155°	692.3	867.6	1337.9	1612.4	1696.6
157.5°	725.3	863.4	1265.4	1525.0	1616.9
160°	742.5	858.2	1219.5	1461.7	1542.3
162.5°	759.7	855.8	1179.3	1378.8	1473.5
165°	785.5	859.2	1079.6	1271.1	1330.7
167.5°	802.7	856.0	986.4	1143.2	1227.4
170°	814.2	856.3	929.0	1045.4	1115.5
172.5°	822.8	842.5	894.6	955.9	1003.6
175°	832.1	842.7	857.2	872.0	889.5
177.5°	835.0	840.6	829.3	826.5	832.1
180°	832.1	832.1	832.1	832.1	832.1

(END OF REPORT)