

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: P1056965

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056965
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6881.1 lumens
Efficiency: N/A
Efficacy: 125.3 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

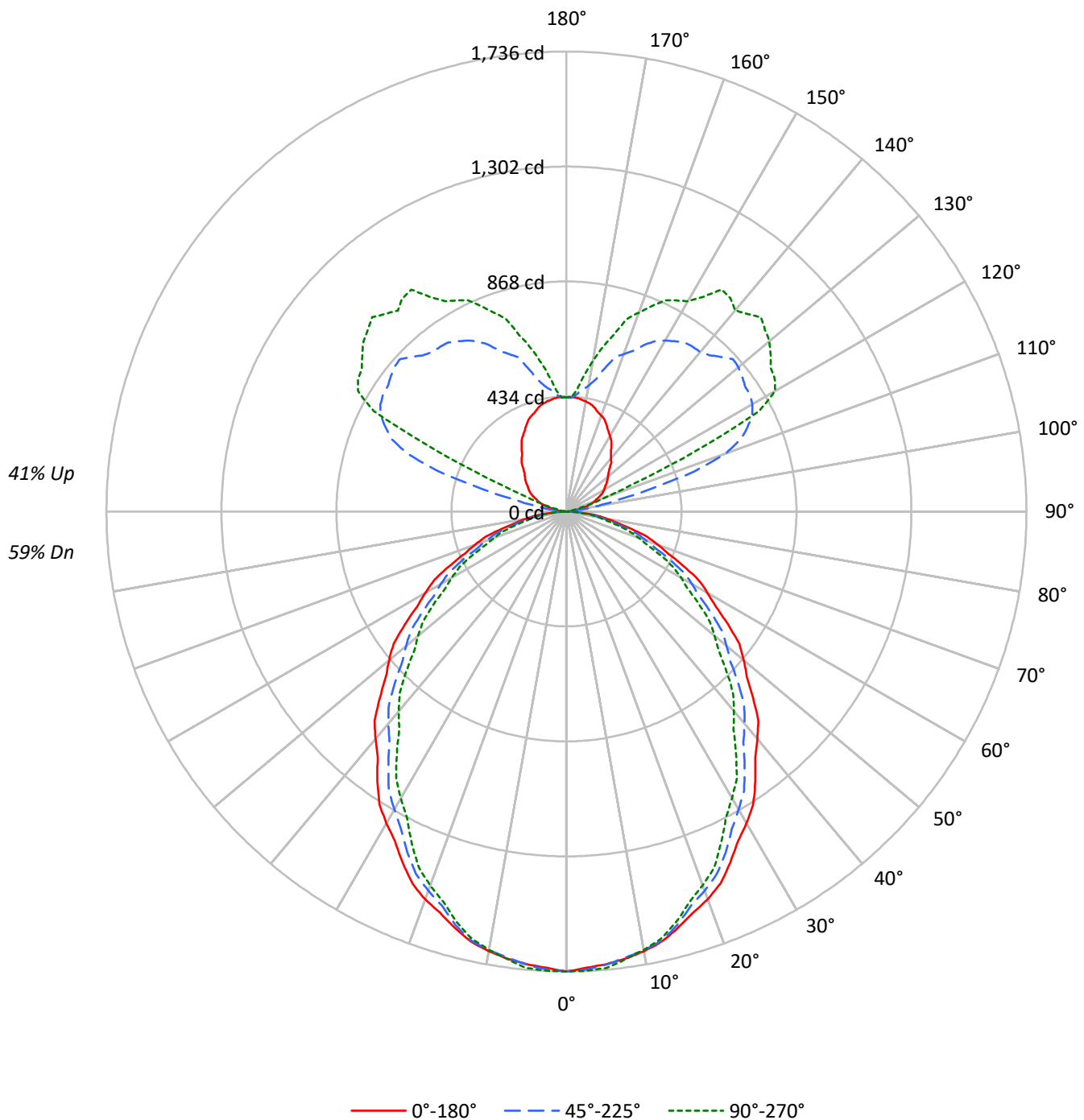
Input Watts (W): 54.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	15120	15120	15120
5°	14992	15015	15120
10°	14907	14871	14860
15°	14671	14575	14455
20°	14440	14119	13923
25°	14052	13656	13273
30°	13663	13062	12567
35°	13215	12451	11858
40°	12741	11879	11184
45°	12263	11281	10528
50°	11833	10699	9889
55°	11304	10092	9284
60°	10698	9517	8683
65°	10054	8875	8082
70°	9342	8158	7313
75°	8499	7382	6622
80°	7603	6470	5998
85°	5845	5316	4387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 12263 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	2.4
10°-20°	455.1	6.6
20°-30°	654.4	9.5
30°-40°	735.5	10.7
40°-50°	710.5	10.3
50°-60°	600.3	8.7
60°-70°	431.2	6.3
70°-80°	235.7	3.4
80°-90°	62.6	0.9
90°-100°	32.3	0.5
100°-110°	200.0	2.9
110°-120°	504.4	7.3
120°-130°	606.3	8.8
130°-140°	549.7	8.0
140°-150°	438.4	6.4
150°-160°	299.0	4.3
160°-170°	158.1	2.3
170°-180°	44.0	0.6
0°-30°	1272.8	18.5
0°-40°	2008.4	29.2
0°-60°	3319.2	48.2
0°-90°	4048.7	58.8
90°-120°	736.7	10.7
90°-150°	2331.1	33.9
90°-180°	2832.0	41.2
0°-180°	6881.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1736	1736	1736	1736	1736	
5°	1715	1738	1718	1718	1730	163
15°	1627	1642	1617	1601	1603	459
25°	1462	1464	1421	1389	1381	673
35°	1243	1229	1171	1126	1115	776
45°	996	975	916	868	855	769
55°	744	717	665	623	612	666
65°	488	470	431	400	392	484
75°	253	237	219	202	197	270
85°	58	55	53	46	44	70
90°	0	0	0	0	0	3
95°	17	42	13	9	9	21
105°	82	229	331	83	56	86
115°	141	312	754	702	535	138
125°	184	378	823	936	942	165
135°	230	419	825	966	1037	179
145°	295	441	778	938	1022	185
155°	359	449	693	835	879	165
165°	407	445	559	658	689	114
175°	431	436	444	452	461	41
180°	431	431	431	431	431	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1736.2	1736.2	1736.2	1736.2	1736.2
2.5°	1724.5	1745.3	1729.9	1732.1	1735.2
5°	1715.0	1738.4	1717.6	1717.9	1729.6
7.5°	1702.7	1724.8	1698.7	1693.9	1704.9
10°	1685.7	1707.8	1681.7	1672.6	1680.4
12.5°	1663.4	1684.4	1659.4	1644.9	1651.7
15°	1627.2	1641.5	1616.6	1600.7	1603.3
17.5°	1587.9	1596.7	1560.8	1547.4	1544.8
20°	1558.1	1565.9	1523.5	1504.9	1502.3
22.5°	1519.8	1526.6	1482.1	1459.1	1455.5
25°	1462.4	1463.7	1421.2	1389.1	1381.3
27.5°	1402.3	1398.1	1351.0	1313.0	1302.8
30°	1358.7	1353.5	1298.9	1258.8	1249.7
32.5°	1311.9	1302.5	1247.8	1204.5	1195.4
35°	1243.0	1228.7	1171.2	1125.8	1115.4
37.5°	1169.6	1153.5	1097.0	1047.6	1035.9
40°	1120.7	1102.5	1044.9	995.5	983.8
42.5°	1071.8	1051.5	992.8	943.3	930.6
45°	995.7	974.9	916.0	867.8	854.8
47.5°	923.4	896.9	839.7	791.8	778.8
50°	873.4	844.8	789.7	742.9	729.9
52.5°	822.4	792.7	739.7	695.0	682.0
55°	744.5	717.2	664.7	623.2	611.5
57.5°	667.4	641.1	593.2	553.6	542.1
60°	614.2	592.1	546.4	508.9	498.5
62.5°	563.1	543.1	499.6	465.3	454.9
65°	487.9	469.7	430.7	400.0	392.2
67.5°	414.8	396.6	365.1	337.5	328.6
70°	366.9	348.7	320.4	295.0	287.2
72.5°	321.2	302.0	278.9	255.7	249.9
75°	252.6	237.0	219.4	202.0	196.8
77.5°	192.0	176.9	164.1	151.8	150.5
80°	151.6	138.6	129.0	120.9	119.6
82.5°	113.3	103.4	97.0	91.2	90.9
85°	58.5	54.6	53.2	46.5	43.9
87.5°	17.0	17.0	14.9	12.8	12.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.5	7.4	3.0	3.0	3.0
95°	16.7	42.2	13.0	9.3	9.3
97.5°	34.9	101.1	70.2	18.9	16.4
100°	48.3	146.4	120.8	27.7	22.3
102.5°	61.7	185.9	190.6	44.0	34.2
105°	81.8	228.9	330.7	83.0	55.7
107.5°	101.4	257.0	506.9	171.2	103.3
110°	113.3	273.2	639.1	267.0	159.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	125.2	289.5	712.0	428.0	275.7
115°	141.2	312.0	754.3	702.2	535.1
117.5°	154.6	332.6	790.7	868.4	819.4
120°	163.5	348.8	810.1	892.2	908.5
122.5°	172.4	360.6	820.5	901.4	932.3
125°	183.9	378.3	823.1	936.5	942.0
127.5°	195.5	391.7	835.3	968.8	971.3
130°	204.4	400.6	847.2	979.6	999.6
132.5°	214.8	408.1	851.7	985.8	1015.9
135°	230.4	419.3	824.9	965.9	1036.7
137.5°	250.1	427.4	799.3	965.3	1011.1
140°	262.0	429.1	785.9	986.7	990.3
142.5°	275.3	433.8	782.9	984.3	1015.6
145°	295.4	440.7	778.5	938.3	1021.9
147.5°	315.5	445.2	761.4	887.5	960.6
150°	328.9	446.9	745.0	870.6	916.0
152.5°	342.2	448.7	724.2	860.0	898.1
155°	358.6	449.4	693.0	835.2	878.8
157.5°	375.7	447.3	655.5	790.0	837.6
160°	384.6	444.5	631.7	757.1	798.9
162.5°	393.5	443.3	610.9	714.2	763.2
165°	406.9	445.0	559.2	658.4	689.3
167.5°	415.8	443.4	510.9	592.2	635.8
170°	421.8	443.6	481.2	541.5	577.8
172.5°	426.2	436.4	463.4	495.1	519.9
175°	431.0	436.5	444.1	451.7	460.8
177.5°	432.5	435.4	429.6	428.1	431.0
180°	431.0	431.0	431.0	431.0	431.0

(END OF REPORT)