

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: P1056976

Luminaire Tested: CB2-B-055U-030D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056976
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8167.5 lumens
Efficiency: N/A
Efficacy: 145.1 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

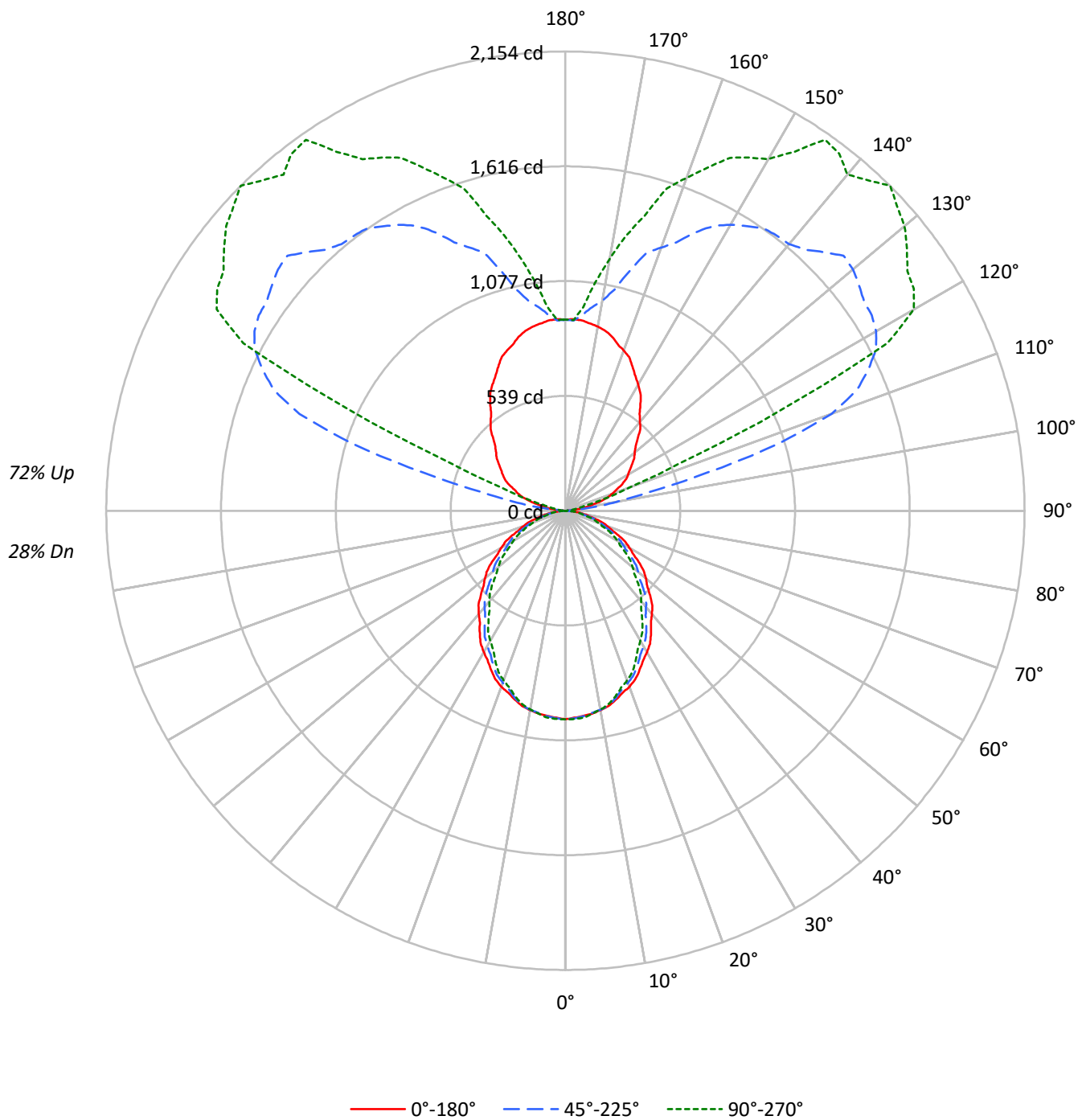
Input Watts (W): 56.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	8521	8521	8521
5°	8448	8461	8520
10°	8400	8380	8373
15°	8267	8213	8145
20°	8137	7956	7845
25°	7918	7695	7479
30°	7699	7360	7081
35°	7446	7017	6682
40°	7179	6694	6303
45°	6910	6356	5933
50°	6668	6029	5572
55°	6369	5688	5232
60°	6028	5363	4893
65°	5665	5001	4554
70°	5266	4596	4120
75°	4788	4159	3732
80°	4283	3646	3380
85°	3297	2998	2468

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6910 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	1.1
10°-20°	256.5	3.1
20°-30°	368.8	4.5
30°-40°	414.5	5.1
40°-50°	400.4	4.9
50°-60°	338.3	4.1
60°-70°	243.0	3.0
70°-80°	132.8	1.6
80°-90°	35.3	0.4
90°-100°	67.1	0.8
100°-110°	415.7	5.1
110°-120°	1048.2	12.8
120°-130°	1260.0	15.4
130°-140°	1142.4	14.0
140°-150°	911.0	11.2
150°-160°	621.4	7.6
160°-170°	328.7	4.0
170°-180°	91.5	1.1
0°-30°	717.2	8.8
0°-40°	1131.7	13.9
0°-60°	1870.4	22.9
0°-90°	2281.4	27.9
90°-120°	1531.0	18.7
90°-150°	4844.5	59.3
90°-180°	5886.0	72.1
0°-180°	8167.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	966	980	968	968	975	92
15°	917	925	911	902	903	258
25°	824	825	801	783	778	379
35°	700	692	660	634	628	438
45°	561	549	516	489	482	433
55°	420	404	375	351	345	375
65°	275	265	243	225	221	273
75°	142	134	124	114	111	152
85°	33	31	30	26	25	39
90°	0	0	0	0	0	3
95°	35	88	27	19	19	44
105°	170	476	687	172	116	178
115°	293	648	1568	1459	1112	288
125°	382	786	1710	1946	1958	342
135°	479	871	1714	2007	2154	372
145°	614	916	1618	1950	2124	384
155°	745	934	1440	1736	1826	343
165°	846	925	1162	1368	1432	237
175°	896	907	923	939	958	85
180°	896	896	896	896	896	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.4	978.4	978.4	978.4	978.4
2.5°	971.8	983.5	974.8	976.0	977.8
5°	966.4	979.6	967.9	968.0	974.6
7.5°	959.5	971.9	957.2	954.5	960.7
10°	949.9	962.3	947.6	942.5	946.9
12.5°	937.3	949.2	935.1	926.9	930.7
15°	916.9	925.0	910.9	902.0	903.4
17.5°	894.8	899.7	879.5	872.0	870.5
20°	878.0	882.4	858.5	848.0	846.5
22.5°	856.4	860.2	835.1	822.2	820.1
25°	824.0	824.8	800.8	782.7	778.3
27.5°	790.2	787.8	761.3	739.9	734.1
30°	765.6	762.7	731.9	709.3	704.2
32.5°	739.2	734.0	703.1	678.7	673.6
35°	700.4	692.4	660.0	634.4	628.5
37.5°	659.1	650.0	618.2	590.3	583.7
40°	631.5	621.3	588.8	560.9	554.4
42.5°	603.9	592.5	559.4	531.6	524.4
45°	561.1	549.4	516.1	489.0	481.7
47.5°	520.3	505.4	473.1	446.2	438.8
50°	492.2	476.1	445.0	418.6	411.3
52.5°	463.4	446.7	416.8	391.6	384.3
55°	419.5	404.1	374.6	351.2	344.6
57.5°	376.1	361.3	334.3	311.9	305.5
60°	346.1	333.6	307.9	286.8	280.9
62.5°	317.3	306.1	281.5	262.2	256.4
65°	274.9	264.7	242.7	225.4	221.0
67.5°	233.7	223.5	205.7	190.2	185.2
70°	206.8	196.5	180.5	166.2	161.8
72.5°	181.0	170.1	157.2	144.1	140.8
75°	142.3	133.5	123.6	113.8	110.9
77.5°	108.2	99.7	92.4	85.5	84.8
80°	85.4	78.1	72.7	68.2	67.4
82.5°	63.8	58.3	54.7	51.4	51.2
85°	33.0	30.8	30.0	26.2	24.7
87.5°	9.6	9.6	8.4	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.3	15.3	6.2	6.2	6.2
95°	34.8	87.6	27.0	19.3	19.3
97.5°	72.6	210.0	146.0	39.3	34.0
100°	100.4	304.3	251.0	57.7	46.3
102.5°	128.2	386.4	396.2	91.4	71.0
105°	169.9	475.7	687.3	172.5	115.8
107.5°	210.8	534.0	1053.3	355.9	214.7
110°	235.5	567.8	1328.2	554.8	332.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	260.2	601.5	1479.6	889.4	573.0
115°	293.4	648.3	1567.6	1459.3	1112.0
117.5°	321.2	691.2	1643.3	1804.7	1702.8
120°	339.8	724.9	1683.5	1854.1	1888.1
122.5°	358.3	749.4	1705.1	1873.3	1937.5
125°	382.3	786.2	1710.5	1946.3	1957.6
127.5°	406.2	813.9	1736.0	2013.3	2018.6
130°	424.7	832.5	1760.7	2035.8	2077.3
132.5°	446.3	848.0	1769.9	2048.6	2111.3
135°	478.8	871.4	1714.3	2007.3	2154.5
137.5°	519.7	888.2	1661.1	2006.1	2101.2
140°	544.4	891.8	1633.3	2050.4	2058.0
142.5°	572.2	901.4	1627.1	2045.6	2110.5
145°	613.9	915.9	1617.8	1950.0	2123.6
147.5°	655.6	925.2	1582.3	1844.4	1996.2
150°	683.4	928.8	1548.3	1809.2	1903.5
152.5°	711.2	932.5	1505.1	1787.2	1866.5
155°	745.2	934.0	1440.2	1735.7	1826.3
157.5°	780.7	929.5	1362.2	1641.7	1740.6
160°	799.3	923.8	1312.8	1573.5	1660.3
162.5°	817.8	921.2	1269.5	1484.2	1586.2
165°	845.6	924.9	1162.2	1368.3	1432.5
167.5°	864.1	921.5	1061.8	1230.7	1321.3
170°	876.5	921.8	1000.0	1125.3	1200.8
172.5°	885.7	906.9	963.0	1029.0	1080.3
175°	895.8	907.1	922.8	938.7	957.6
177.5°	898.9	904.9	892.7	889.7	895.8
180°	895.8	895.8	895.8	895.8	895.8

(END OF REPORT)