

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: P1056975

Luminaire Tested: CB2-B-055U-030D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056975
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-835-1D-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8277.8 lumens
Efficiency: N/A
Efficacy: 147.0 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

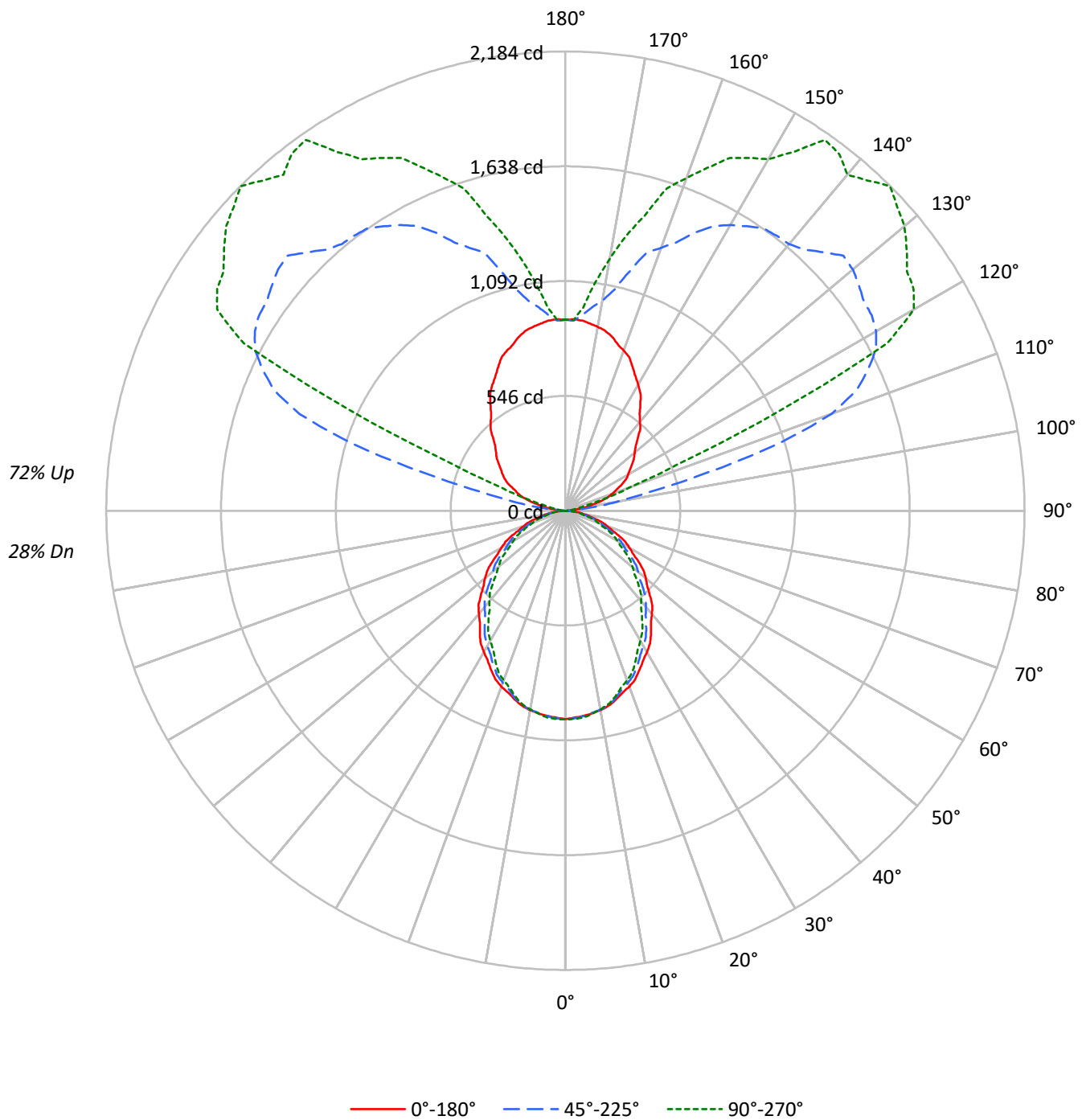
Input Watts (W): 56.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	8636	8636	8636
5°	8562	8576	8635
10°	8513	8494	8487
15°	8378	8323	8256
20°	8246	8064	7952
25°	8025	7799	7581
30°	7803	7459	7177
35°	7547	7111	6772
40°	7276	6785	6387
45°	7004	6442	6013
50°	6758	6110	5647
55°	6456	5764	5303
60°	6110	5436	4959
65°	5741	5069	4616
70°	5337	4660	4176
75°	4855	4216	3782
80°	4343	3691	3425
85°	3337	3038	2508

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7004 cd/sqm

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CATALOG NUMBER: CB2-B-055U-030D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	1.1
10°-20°	259.9	3.1
20°-30°	373.7	4.5
30°-40°	420.1	5.1
40°-50°	405.8	4.9
50°-60°	342.9	4.1
60°-70°	246.3	3.0
70°-80°	134.6	1.6
80°-90°	35.7	0.4
90°-100°	68.0	0.8
100°-110°	421.3	5.1
110°-120°	1062.4	12.8
120°-130°	1277.1	15.4
130°-140°	1157.9	14.0
140°-150°	923.3	11.2
150°-160°	629.8	7.6
160°-170°	333.1	4.0
170°-180°	92.7	1.1
0°-30°	726.9	8.8
0°-40°	1147.0	13.9
0°-60°	1895.6	22.9
0°-90°	2312.3	27.9
90°-120°	1551.7	18.7
90°-150°	4909.9	59.3
90°-180°	5966.0	72.1
0°-180°	8277.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	979	993	981	981	988	93
15°	929	938	923	914	916	262
25°	835	836	812	793	789	384
35°	710	702	669	643	637	443
45°	569	557	523	496	488	439
55°	425	410	380	356	349	380
65°	279	268	246	228	224	276
75°	144	135	125	115	112	154
85°	33	31	30	26	25	40
90°	0	0	0	0	0	3
95°	35	89	27	20	20	45
105°	172	482	697	175	117	181
115°	297	657	1589	1479	1127	292
125°	387	797	1734	1973	1984	347
135°	485	883	1738	2034	2184	377
145°	622	928	1640	1976	2152	389
155°	755	947	1460	1759	1851	348
165°	857	937	1178	1387	1452	240
175°	908	919	935	951	970	86
180°	908	908	908	908	908	

TEST NUMBER: P1056975

CATALOG NUMBER: CB2-B-055U-030D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.6	991.6	991.6	991.6	991.6
2.5°	984.9	996.8	987.9	989.2	991.0
5°	979.4	992.8	981.0	981.1	987.8
7.5°	972.4	985.1	970.2	967.4	973.7
10°	962.7	975.3	960.5	955.2	959.7
12.5°	950.0	962.0	947.7	939.4	943.3
15°	929.3	937.5	923.2	914.2	915.7
17.5°	906.8	911.9	891.4	883.7	882.2
20°	889.8	894.3	870.1	859.4	858.0
22.5°	868.0	871.8	846.4	833.3	831.2
25°	835.2	835.9	811.6	793.3	788.9
27.5°	800.9	798.5	771.5	749.9	744.1
30°	776.0	773.0	741.8	718.9	713.7
32.5°	749.2	743.9	712.6	687.9	682.7
35°	709.9	701.7	668.9	642.9	637.0
37.5°	668.0	658.8	626.5	598.3	591.6
40°	640.0	629.7	596.8	568.5	561.8
42.5°	612.1	600.5	567.0	538.8	531.5
45°	568.7	556.8	523.1	495.6	488.2
47.5°	527.4	512.2	479.5	452.2	444.8
50°	498.8	482.5	451.0	424.3	416.8
52.5°	469.7	452.7	422.4	396.9	389.5
55°	425.2	409.6	379.6	355.9	349.3
57.5°	381.1	366.1	338.8	316.2	309.6
60°	350.8	338.2	312.1	290.7	284.7
62.5°	321.6	310.2	285.3	265.8	259.8
65°	278.6	268.3	246.0	228.4	224.0
67.5°	236.9	226.5	208.5	192.7	187.7
70°	209.6	199.2	183.0	168.5	164.0
72.5°	183.4	172.4	159.3	146.0	142.7
75°	144.3	135.3	125.3	115.3	112.4
77.5°	109.6	101.0	93.7	86.7	85.9
80°	86.6	79.1	73.6	69.1	68.3
82.5°	64.7	59.0	55.4	52.1	51.9
85°	33.4	31.2	30.4	26.5	25.1
87.5°	9.7	9.7	8.5	7.3	7.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.4	15.5	6.3	6.3	6.3
95°	35.2	88.8	27.4	19.6	19.6
97.5°	73.6	212.8	147.9	39.8	34.4
100°	101.7	308.4	254.4	58.4	47.0
102.5°	129.9	391.6	401.5	92.7	72.0
105°	172.2	482.1	696.6	174.8	117.4
107.5°	213.7	541.2	1067.5	360.7	217.6
110°	238.7	575.4	1346.2	562.3	336.5

TEST NUMBER: P1056975

CATALOG NUMBER: CB2-B-055U-030D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	263.8	609.7	1499.6	901.4	580.7
115°	297.4	657.1	1588.8	1479.1	1127.0
117.5°	325.6	700.6	1665.5	1829.1	1725.8
120°	344.4	734.7	1706.2	1879.2	1913.6
122.5°	363.2	759.6	1728.1	1898.6	1963.7
125°	387.4	796.8	1733.6	1972.6	1984.0
127.5°	411.7	824.9	1759.4	2040.5	2045.9
130°	430.5	843.7	1784.5	2063.3	2105.4
132.5°	452.4	859.5	1793.9	2076.3	2139.8
135°	485.2	883.2	1737.5	2034.4	2183.6
137.5°	526.7	900.2	1683.5	2033.2	2129.6
140°	551.8	903.8	1655.3	2078.1	2085.8
142.5°	580.0	913.6	1649.1	2073.2	2139.0
145°	622.2	928.3	1639.7	1976.3	2152.3
147.5°	664.5	937.7	1603.7	1869.4	2023.2
150°	692.7	941.4	1569.2	1833.6	1929.3
152.5°	720.8	945.1	1525.4	1811.3	1891.7
155°	755.3	946.6	1459.7	1759.2	1851.0
157.5°	791.3	942.0	1380.6	1663.9	1764.1
160°	810.1	936.3	1330.5	1594.7	1682.7
162.5°	828.8	933.7	1286.7	1504.3	1607.6
165°	857.0	937.4	1177.9	1386.8	1451.8
167.5°	875.8	934.0	1076.2	1247.3	1339.1
170°	888.3	934.2	1013.5	1140.5	1217.0
172.5°	897.7	919.1	976.0	1042.9	1094.9
175°	907.9	919.4	935.3	951.4	970.5
177.5°	911.0	917.1	904.8	901.8	907.9
180°	907.9	907.9	907.9	907.9	907.9

(END OF REPORT)