

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: P1057093

Luminaire Tested: CB3-B-055U-120D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057093
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-055U-120D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 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: 15018.8 lumens
Efficiency: N/A
Efficacy: 132.6 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

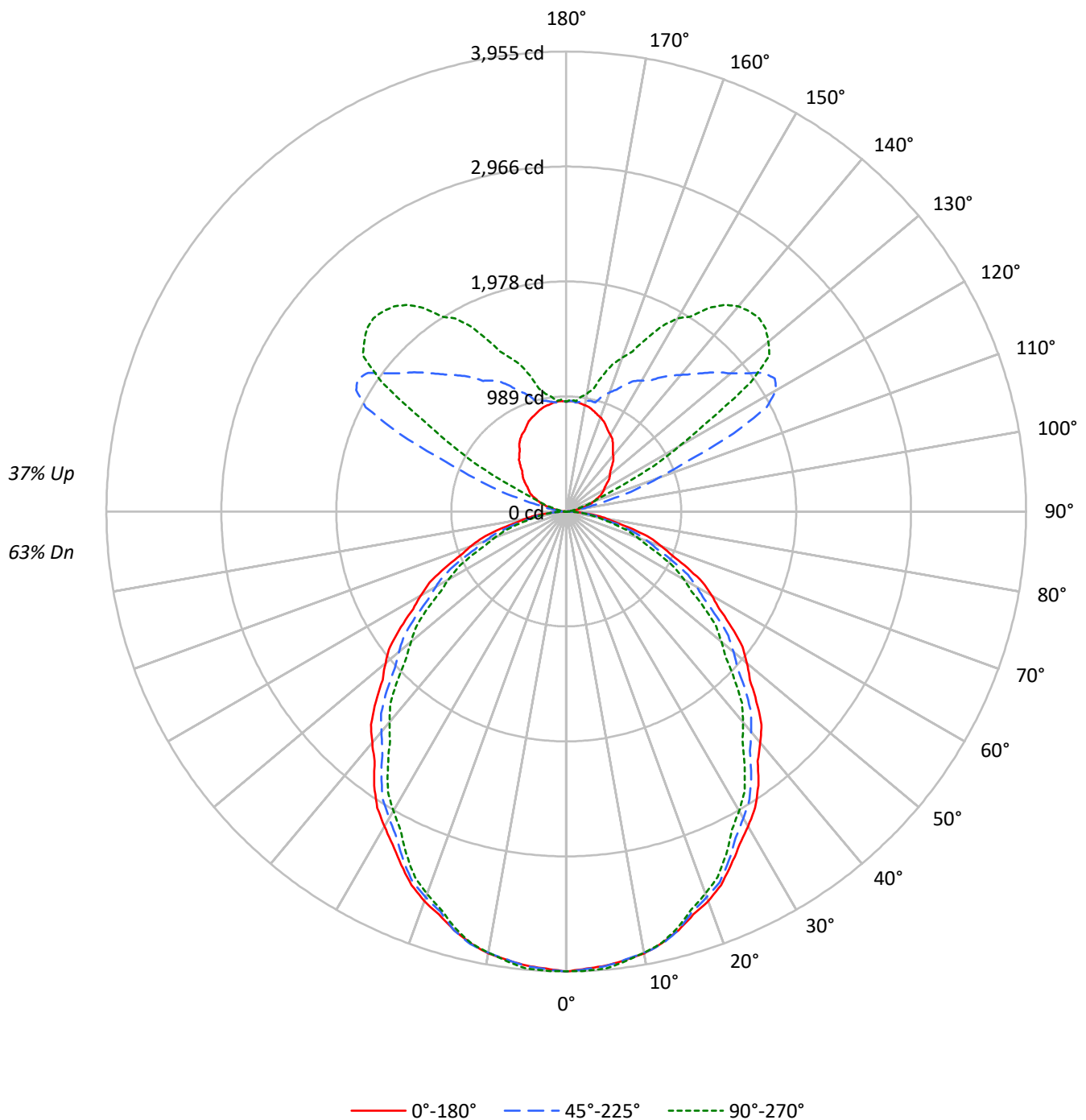
Input Watts (W): 113.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68
1	101	97	93	89	95	91	87	84	80	77	75	70	68	66	61	59	58
2	92	85	78	73	86	80	74	70	70	66	62	62	58	56	54	51	49
3	84	75	67	61	79	70	64	58	62	57	53	55	51	47	48	45	42
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	43	39	36
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32
6	66	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	32	28	25
8	56	44	36	31	53	42	35	30	37	31	27	33	29	25	30	26	23
9	53	40	33	28	49	38	31	27	34	29	24	31	26	23	27	23	21
10	49	37	30	25	46	35	28	24	32	26	22	29	24	20	25	22	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22376	22376	22376
5°	22270	22286	22414
10°	22173	22141	22141
15°	21833	21833	21701
20°	21478	21258	21072
25°	20937	20674	20306
30°	20424	19892	19415
35°	19886	19148	18469
40°	19169	18257	17468
45°	18519	17463	16384
50°	17851	16515	15329
55°	17123	15600	14324
60°	16337	14652	13191
65°	15418	13575	11995
70°	14357	12313	10687
75°	13016	10807	9517
80°	11347	9060	8418
85°	8750	7659	7659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18519 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.2	2.5
10°-20°	1048.4	7.0
20°-30°	1523.3	10.1
30°-40°	1731.9	11.5
40°-50°	1681.2	11.2
50°-60°	1419.4	9.5
60°-70°	1009.9	6.7
70°-80°	539.6	3.6
80°-90°	142.6	0.9
90°-100°	63.8	0.4
100°-110°	334.3	2.2
110°-120°	841.6	5.6
120°-130°	1298.4	8.6
130°-140°	1188.6	7.9
140°-150°	877.2	5.8
150°-160°	559.2	3.7
160°-170°	294.4	2.0
170°-180°	91.7	0.6
0°-30°	2944.9	19.6
0°-40°	4676.7	31.1
0°-60°	7777.4	51.8
0°-90°	9469.5	63.1
90°-120°	1239.8	8.3
90°-150°	4604.1	30.7
90°-180°	5549.0	36.9
0°-180°	15018.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3955	3955	3955	3955	3955	
5°	3922	3971	3924	3919	3947	372
15°	3728	3761	3728	3705	3705	1050
25°	3354	3365	3312	3267	3253	1545
35°	2879	2852	2773	2691	2674	1794
45°	2315	2279	2183	2078	2048	1785
55°	1736	1689	1582	1480	1452	1552
65°	1152	1111	1014	924	896	1141
75°	596	563	494	444	435	635
85°	135	124	118	118	118	160
90°	0	0	0	0	0	7
95°	33	94	37	21	21	42
105°	170	528	382	157	129	182
115°	324	662	1588	690	524	316
125°	432	668	2078	2095	1937	387
135°	557	744	1683	2296	2348	430
145°	702	812	1405	1954	2136	437
155°	810	871	1205	1492	1646	374
165°	898	922	968	1132	1210	253
175°	948	968	939	944	952	90
180°	944	944	944	944	944	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3955.3	3955.3	3955.3	3955.3	3955.3
2.5°	3935.1	3974.6	3939.6	3944.2	3953.0
5°	3921.6	3971.0	3924.4	3919.4	3946.9
7.5°	3891.2	3936.3	3887.9	3876.6	3901.3
10°	3859.8	3909.2	3854.2	3840.4	3854.2
12.5°	3803.6	3855.2	3811.5	3788.7	3800.2
15°	3727.7	3760.7	3727.7	3705.3	3705.3
17.5°	3635.0	3669.6	3607.5	3591.6	3585.6
20°	3567.6	3597.8	3531.1	3508.4	3500.2
22.5°	3477.7	3505.7	3450.2	3411.8	3401.3
25°	3354.1	3365.1	3312.0	3266.7	3253.0
27.5°	3230.0	3232.7	3159.7	3104.8	3086.7
30°	3126.6	3129.3	3045.1	2985.8	2972.1
32.5°	3023.2	3015.0	2935.0	2864.6	2855.2
35°	2879.4	2851.9	2772.6	2690.8	2674.3
37.5°	2705.8	2689.3	2595.7	2513.6	2488.9
40°	2595.7	2568.2	2472.1	2390.0	2365.3
42.5°	2485.5	2453.7	2355.2	2264.1	2237.2
45°	2314.7	2279.0	2182.7	2078.1	2047.9
47.5°	2142.8	2103.8	1997.9	1896.5	1863.0
50°	2028.2	1987.0	1876.5	1777.4	1741.7
52.5°	1911.3	1867.9	1757.4	1656.2	1627.1
55°	1736.1	1689.4	1581.6	1479.8	1452.3
57.5°	1560.8	1514.6	1407.4	1311.1	1278.2
60°	1443.9	1400.0	1295.0	1198.8	1165.8
62.5°	1324.8	1283.0	1180.4	1086.4	1055.7
65°	1151.8	1110.6	1014.1	923.6	896.1
67.5°	980.4	945.2	850.0	767.0	745.0
70°	868.0	835.1	744.4	668.1	646.1
72.5°	760.2	725.0	638.8	573.8	558.5
75°	595.5	562.6	494.4	443.7	435.4
77.5°	445.0	418.1	359.0	330.3	325.9
80°	348.3	323.6	278.1	258.4	258.4
82.5°	258.4	238.1	208.4	200.0	200.0
85°	134.8	123.9	118.0	118.0	118.0
87.5°	40.5	40.5	38.2	36.0	36.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.0	23.0	6.7	3.4	6.7
95°	33.3	94.2	37.4	20.8	20.8
97.5°	69.0	210.4	96.4	51.4	46.6
100°	95.6	298.8	149.6	74.6	66.5
102.5°	125.5	387.2	226.1	101.1	86.5
105°	170.4	528.0	382.4	157.3	128.8
107.5°	220.3	624.2	630.1	242.5	195.3
110°	253.5	664.0	839.6	318.4	245.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	283.5	674.4	1118.9	434.2	335.0
115°	324.2	661.5	1587.7	690.3	523.7
117.5°	354.1	629.7	1943.5	1098.2	847.1
120°	374.1	630.1	2086.5	1406.8	1126.4
122.5°	397.3	633.9	2126.4	1713.2	1455.5
125°	432.3	668.0	2078.2	2095.3	1936.8
127.5°	467.2	693.1	1948.5	2252.4	2202.8
130°	490.4	709.9	1845.4	2305.9	2269.3
132.5°	513.7	726.7	1772.2	2307.2	2325.9
135°	556.9	743.9	1683.3	2295.5	2348.3
137.5°	601.0	765.2	1600.2	2222.8	2332.5
140°	627.6	782.0	1533.7	2144.1	2302.6
142.5°	657.5	795.7	1470.5	2071.2	2239.4
145°	702.4	812.1	1404.8	1953.5	2136.3
147.5°	737.3	821.0	1330.8	1834.7	1985.9
150°	760.6	821.6	1300.9	1729.1	1916.1
152.5°	780.6	838.3	1264.3	1632.3	1803.0
155°	810.5	871.4	1205.3	1491.5	1645.9
157.5°	840.4	898.9	1135.5	1386.4	1491.3
160°	860.4	909.1	1089.0	1335.7	1404.8
162.5°	877.0	919.2	1039.1	1249.5	1328.4
165°	897.8	922.1	968.4	1132.3	1209.5
167.5°	916.9	929.1	974.2	1017.2	1079.8
170°	926.9	939.0	964.3	1006.3	1026.6
172.5°	936.8	955.5	951.0	979.6	996.7
175°	947.6	968.0	939.3	943.7	951.8
177.5°	950.1	959.9	953.5	953.7	963.4
180°	943.5	943.5	943.5	943.5	943.5

(END OF REPORT)