

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1438910

Luminaire Tested: CB2-B-055U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438910
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-055U-120D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

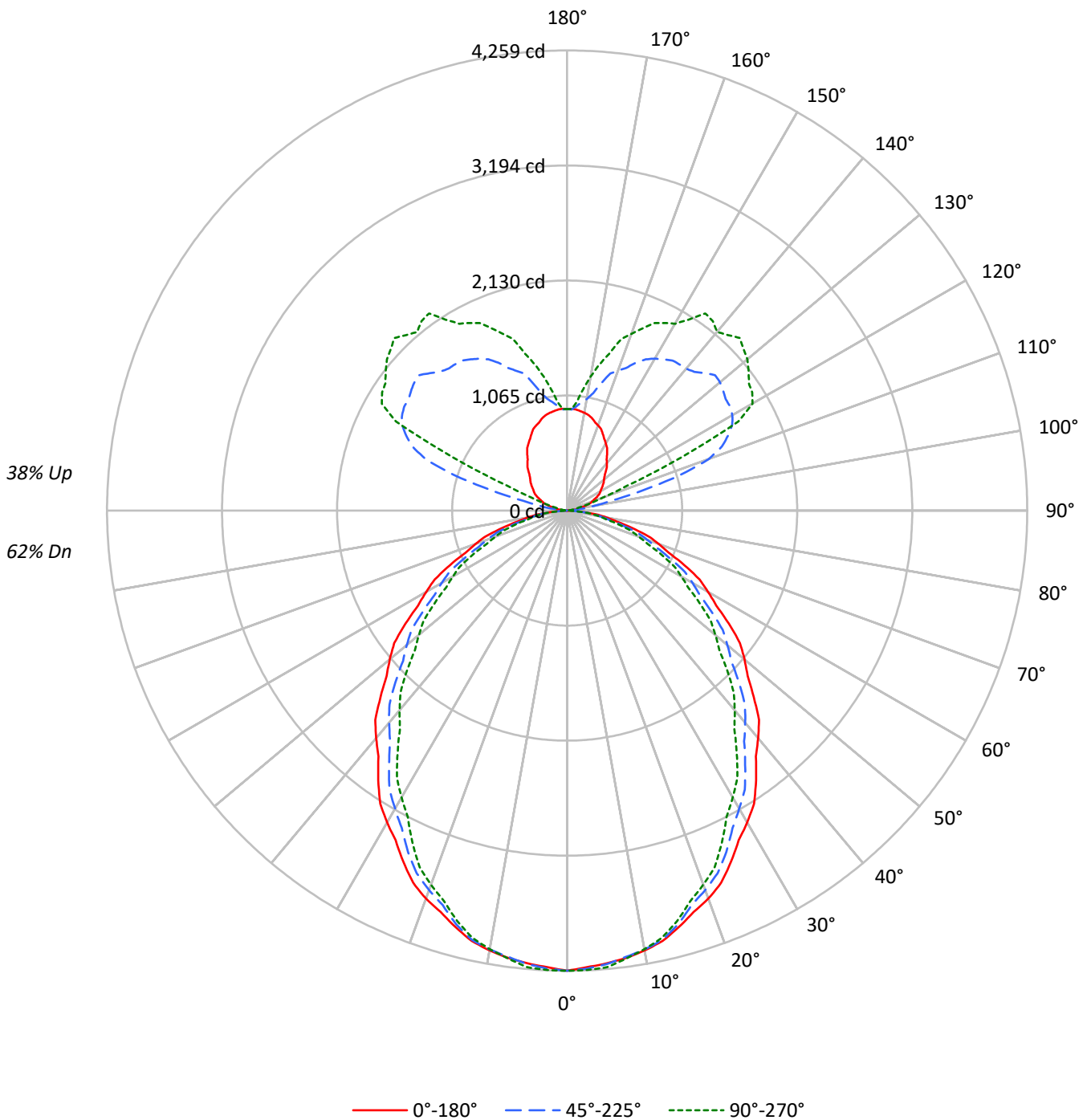
Lumens per Lamp: N/A
Luminaire Lumens: 16103.8 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 126.3
Input Voltage (V): 120
Input Current (A_{in}): 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	92	89	94	90	87	84	79	77	74	69	67	65	59	58	57	52
2	92	84	78	73	86	79	74	69	70	65	62	61	58	55	53	50	48	44
3	84	74	67	61	78	70	63	58	62	57	52	54	50	47	47	44	41	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	43	39	43	39	35	38	34	31	28
6	65	53	45	39	61	50	43	37	45	39	34	39	35	31	35	31	28	25
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	22
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	33	27	49	38	31	26	34	28	24	30	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	32	26	22	28	24	20	25	21	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37089	37089	37089
5°	36775	36832	37089
10°	36566	36479	36450
15°	35987	35752	35458
20°	35420	34634	34150
25°	34468	33497	32557
30°	33514	32038	30825
35°	32415	30544	29087
40°	31252	29139	27433
45°	30082	27671	25824
50°	29027	26243	24255
55°	27727	24756	22776
60°	26241	23344	21300
65°	24662	21773	19823
70°	22916	20011	17936
75°	20848	18106	16238
80°	18646	15863	14719
85°	14339	13030	10751

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30082 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.5	2.5
10°-20°	1116.4	6.9
20°-30°	1605.2	10.0
30°-40°	1804.2	11.2
40°-50°	1742.9	10.8
50°-60°	1472.6	9.1
60°-70°	1057.8	6.6
70°-80°	578.1	3.6
80°-90°	153.5	1.0
90°-100°	70.4	0.4
100°-110°	435.9	2.7
110°-120°	1099.2	6.8
120°-130°	1321.4	8.2
130°-140°	1198.1	7.4
140°-150°	955.3	5.9
150°-160°	651.7	4.0
160°-170°	344.7	2.1
170°-180°	95.9	0.6
0°-30°	3122.1	19.4
0°-40°	4926.4	30.6
0°-60°	8141.9	50.6
0°-90°	9931.3	61.7
90°-120°	1605.5	10.0
90°-150°	5080.3	31.5
90°-180°	6173.0	38.3
0°-180°	16103.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4259	4259	4259	4259	4259	
5°	4207	4264	4213	4214	4243	399
15°	3992	4027	3965	3926	3933	1125
25°	3587	3590	3486	3407	3388	1651
35°	3049	3014	2873	2762	2736	1905
45°	2442	2392	2247	2129	2097	1887
55°	1826	1759	1630	1529	1500	1633
65°	1197	1152	1057	981	962	1187
75°	620	581	538	495	483	663
85°	144	134	130	114	108	171
90°	0	0	0	0	0	7
95°	36	92	28	20	20	46
105°	178	499	721	181	122	187
115°	308	680	1644	1530	1166	302
125°	401	824	1794	2041	2053	359
135°	502	914	1798	2105	2259	390
145°	644	960	1697	2045	2227	403
155°	782	979	1510	1820	1915	360
165°	887	970	1219	1435	1502	249
175°	939	951	968	984	1004	89
180°	939	939	939	939	939	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4258.9	4258.9	4258.9	4258.9	4258.9
2.5°	4230.2	4281.2	4243.2	4248.6	4256.3
5°	4206.7	4264.1	4213.2	4213.9	4242.6
7.5°	4176.7	4230.9	4166.9	4155.1	4181.9
10°	4135.0	4189.2	4125.2	4102.8	4121.9
12.5°	4080.2	4131.8	4070.4	4034.9	4051.5
15°	3991.5	4026.6	3965.4	3926.4	3932.8
17.5°	3895.0	3916.6	3828.4	3795.7	3789.3
20°	3821.9	3841.0	3737.1	3691.3	3684.9
22.5°	3728.0	3744.6	3635.4	3579.1	3570.2
25°	3587.1	3590.3	3486.0	3407.3	3388.2
27.5°	3439.7	3429.5	3313.8	3220.7	3195.8
30°	3332.8	3320.0	3186.0	3087.7	3065.4
32.5°	3218.0	3195.0	3060.8	2954.6	2932.3
35°	3049.0	3014.0	2873.0	2761.5	2736.0
37.5°	2869.0	2829.5	2691.0	2569.7	2541.0
40°	2749.0	2704.4	2563.2	2441.8	2413.1
42.5°	2629.0	2579.3	2435.3	2314.0	2282.7
45°	2442.5	2391.5	2246.8	2128.7	2096.8
47.5°	2265.1	2200.1	2059.7	1942.2	1910.3
50°	2142.5	2072.3	1937.0	1822.2	1790.3
52.5°	2017.3	1944.6	1814.4	1704.8	1672.9
55°	1826.2	1759.2	1630.5	1528.8	1500.1
57.5°	1637.0	1572.6	1455.1	1357.9	1329.8
60°	1506.6	1452.4	1340.3	1248.4	1222.9
62.5°	1381.4	1332.3	1225.5	1141.4	1115.9
65°	1196.8	1152.2	1056.6	981.1	962.0
67.5°	1017.4	972.8	895.5	827.8	806.1
70°	900.0	855.4	785.9	723.5	704.4
72.5°	787.9	740.7	684.2	627.1	613.1
75°	619.6	581.3	538.1	495.4	482.6
77.5°	470.9	433.9	402.4	372.3	369.1
80°	371.8	339.9	316.3	296.7	293.5
82.5°	277.8	253.6	238.1	223.7	223.1
85°	143.5	133.9	130.4	114.0	107.6
87.5°	41.7	41.7	36.5	31.3	31.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.7	16.1	6.5	6.5	6.5
95°	36.4	91.9	28.3	20.2	20.2
97.5°	76.1	220.2	153.1	41.2	35.6
100°	105.3	319.1	263.2	60.5	48.6
102.5°	134.4	405.2	415.4	95.9	74.5
105°	178.2	498.9	720.7	180.9	121.5
107.5°	221.1	560.0	1104.6	373.2	225.1
110°	247.0	595.4	1392.9	581.8	348.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	272.9	630.8	1551.6	932.7	600.9
115°	307.7	679.9	1643.9	1530.4	1166.1
117.5°	336.9	724.9	1723.3	1892.6	1785.7
120°	356.3	760.2	1765.4	1944.4	1980.0
122.5°	375.8	785.9	1788.1	1964.5	2031.8
125°	400.9	824.5	1793.8	2041.0	2052.9
127.5°	426.0	853.6	1820.5	2111.3	2116.9
130°	445.4	873.0	1846.4	2134.9	2178.4
132.5°	468.1	889.3	1856.1	2148.3	2214.1
135°	502.1	913.8	1797.8	2105.0	2259.4
137.5°	545.0	931.4	1741.9	2103.8	2203.5
140°	570.9	935.2	1712.8	2150.3	2158.2
142.5°	600.1	945.3	1706.3	2145.1	2213.2
145°	643.8	960.5	1696.6	2044.9	2227.0
147.5°	687.5	970.2	1659.3	1934.2	2093.4
150°	716.7	974.0	1623.7	1897.2	1996.2
152.5°	745.8	977.9	1578.3	1874.2	1957.3
155°	781.5	979.4	1510.3	1820.2	1915.2
157.5°	818.7	974.7	1428.5	1721.6	1825.3
160°	838.2	968.8	1376.7	1650.1	1741.1
162.5°	857.6	966.1	1331.3	1556.5	1663.4
165°	886.8	969.9	1218.8	1434.9	1502.2
167.5°	906.2	966.4	1113.5	1290.6	1385.6
170°	919.1	966.7	1048.7	1180.1	1259.3
172.5°	928.9	951.0	1009.8	1079.1	1132.9
175°	939.4	951.3	967.7	984.4	1004.2
177.5°	942.6	949.0	936.2	933.1	939.4
180°	939.4	939.4	939.4	939.4	939.4



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	20.57	21.53	21.42	22.40	23.50	19.47	20.43	20.32	21.31	22.40
	3H	22.22	23.09	23.09	23.97	25.09	21.01	21.87	21.87	22.75	23.87
	4H	22.86	23.67	23.74	24.56	25.69	21.58	22.40	22.47	23.29	24.42
	6H	23.26	24.01	24.16	24.91	26.06	21.96	22.71	22.85	23.61	24.75
	8H	23.42	24.13	24.32	25.04	26.19	22.10	22.82	23.01	23.73	24.88
	12H	23.49	24.17	24.40	25.08	26.25	22.17	22.85	23.08	23.76	24.93
4H	2H	20.99	21.81	21.88	22.70	23.83	20.12	20.93	21.00	21.82	22.95
	3H	22.87	23.55	23.77	24.47	25.62	21.86	22.54	22.76	23.46	24.61
	4H	23.62	24.24	24.53	25.16	26.33	22.54	23.16	23.45	24.07	25.25
	6H	24.15	24.68	25.07	25.62	26.79	23.02	23.55	23.94	24.49	25.67
	8H	24.35	24.85	25.28	25.79	26.97	23.21	23.71	24.14	24.65	25.83
	12H	24.46	24.91	25.41	25.87	27.06	23.30	23.75	24.25	24.71	25.90
8H	4H	23.78	24.28	24.71	25.22	26.41	22.82	23.32	23.75	24.25	25.44
	6H	24.43	24.84	25.38	25.82	27.01	23.43	23.84	24.38	24.82	26.00
	8H	24.72	25.09	25.68	26.05	27.26	23.70	24.07	24.67	25.04	26.24
	12H	24.90	25.22	25.86	26.18	27.44	23.86	24.18	24.82	25.14	26.39
12H	4H	23.77	24.22	24.71	25.17	26.36	22.83	23.28	23.77	24.23	25.42
	6H	24.46	24.83	25.42	25.79	27.00	23.49	23.86	24.45	24.82	26.03
	8H	24.78	25.10	25.75	26.06	27.32	23.80	24.12	24.77	25.08	26.34