

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: P1438687

Luminaire Tested: CB2-055U-120D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438687
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-055U-120D-840-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

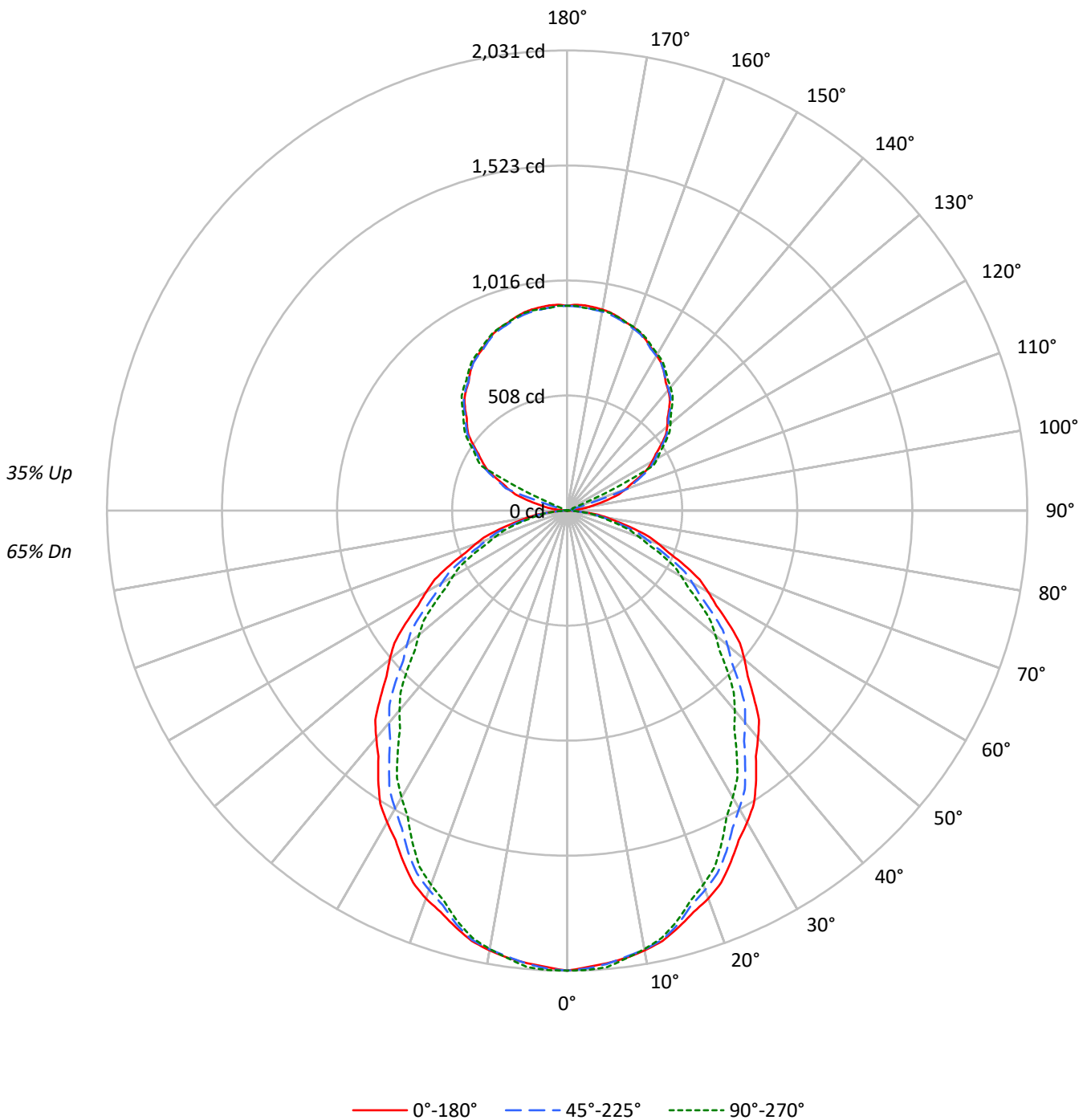
Lumens per Lamp: N/A
Luminaire Lumens: 7313.7 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 59.4
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	111	111	111	111	104	104	104	104	92	92	92	80	80	80	70	70	70	65
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	61	59	55
2	92	85	79	74	87	80	75	70	71	67	63	63	59	57	55	52	50	46
3	85	75	68	62	79	71	64	59	63	58	53	56	52	48	49	46	43	40
4	78	67	59	52	73	63	56	50	56	50	46	50	45	42	44	40	37	34
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	30
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	26
7	61	49	40	35	57	46	39	34	41	35	31	37	32	28	33	29	26	23
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35368	35368	35368
5°	35067	35122	35366
10°	34868	34785	34758
15°	34316	34091	33811
20°	33775	33026	32564
25°	32868	31942	31045
30°	31958	30550	29393
35°	30910	29126	27737
40°	29801	27787	26161
45°	28686	26388	24624
50°	27679	25026	23130
55°	26440	23607	21718
60°	25022	22259	20312
65°	23516	20763	18904
70°	21852	19082	17101
75°	19879	17261	15485
80°	17774	15126	14032
85°	13669	12430	10252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28686 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.0	2.6
10°-20°	532.3	7.3
20°-30°	765.4	10.5
30°-40°	860.2	11.8
40°-50°	831.0	11.4
50°-60°	702.1	9.6
60°-70°	504.3	6.9
70°-80°	275.6	3.8
80°-90°	73.3	1.0
90°-100°	15.8	0.2
100°-110°	100.3	1.4
110°-120°	318.7	4.4
120°-130°	462.5	6.3
130°-140°	497.4	6.8
140°-150°	468.3	6.4
150°-160°	381.5	5.2
160°-170°	248.3	3.4
170°-180°	85.8	1.2
0°-30°	1488.6	20.4
0°-40°	2348.8	32.1
0°-60°	3881.9	53.1
0°-90°	4735.1	64.7
90°-120°	434.8	5.9
90°-150°	1862.9	25.5
90°-180°	2579.0	35.3
0°-180°	7313.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2031	2031	2031	2031	2031	
5°	2006	2033	2009	2009	2023	190
15°	1903	1920	1891	1872	1875	536
25°	1710	1712	1662	1625	1615	787
35°	1454	1437	1370	1317	1304	908
45°	1165	1140	1071	1015	1000	900
55°	871	839	777	729	715	778
65°	571	549	504	468	459	566
75°	295	277	256	236	230	316
85°	68	64	62	54	51	81
90°	0	0	0	1	1	4
95°	36	10	11	7	6	46
105°	188	195	20	23	24	198
115°	356	364	368	372	213	350
125°	506	515	515	524	531	452
135°	637	645	643	648	656	491
145°	745	751	746	747	756	466
155°	828	833	824	822	834	382
165°	883	885	876	872	881	249
175°	909	911	899	893	898	86
180°	904	904	904	904	904	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2030.6	2030.6	2030.6	2030.6	2030.6
2.5°	2016.9	2041.2	2023.1	2025.7	2029.3
5°	2005.7	2033.1	2008.8	2009.1	2022.8
7.5°	1991.4	2017.2	1986.7	1981.1	1993.9
10°	1971.5	1997.3	1966.8	1956.2	1965.3
12.5°	1945.4	1970.0	1940.7	1923.8	1931.7
15°	1903.1	1919.8	1890.6	1872.1	1875.1
17.5°	1857.1	1867.4	1825.3	1809.7	1806.7
20°	1822.2	1831.4	1781.8	1760.0	1756.9
22.5°	1777.5	1785.4	1733.3	1706.5	1702.2
25°	1710.3	1711.8	1662.1	1624.6	1615.4
27.5°	1640.0	1635.1	1580.0	1535.6	1523.7
30°	1589.0	1582.9	1519.0	1472.2	1461.5
32.5°	1534.3	1523.3	1459.3	1408.7	1398.1
35°	1453.7	1437.0	1369.8	1316.6	1304.5
37.5°	1367.9	1349.1	1283.0	1225.2	1211.5
40°	1310.7	1289.4	1222.1	1164.2	1150.6
42.5°	1253.5	1229.8	1161.1	1103.3	1088.4
45°	1164.6	1140.2	1071.3	1014.9	999.7
47.5°	1080.0	1049.0	982.0	926.0	910.8
50°	1021.5	988.1	923.6	868.8	853.6
52.5°	961.8	927.1	865.1	812.8	797.6
55°	870.7	838.8	777.4	728.9	715.2
57.5°	780.5	749.8	693.8	647.4	634.1
60°	718.3	692.5	639.0	595.2	583.1
62.5°	658.6	635.2	584.3	544.2	532.1
65°	570.6	549.3	503.8	467.8	458.7
67.5°	485.1	463.8	427.0	394.7	384.3
70°	429.1	407.8	374.7	345.0	335.8
72.5°	375.6	353.1	326.2	299.0	292.3
75°	295.4	277.2	256.5	236.2	230.1
77.5°	224.5	206.9	191.9	177.5	176.0
80°	177.2	162.0	150.8	141.5	139.9
82.5°	132.5	120.9	113.5	106.7	106.3
85°	68.4	63.9	62.2	54.3	51.3
87.5°	19.9	19.9	17.4	15.1	15.1
90°	0.0	0.0	0.0	0.7	0.7
92.5°	9.9	3.8	2.6	3.8	3.8
95°	36.0	10.4	11.1	7.2	6.5
97.5°	74.7	16.7	16.1	17.7	18.3
100°	104.0	34.3	17.7	20.3	20.9
102.5°	136.4	129.1	18.2	21.9	23.0
105°	188.3	195.4	19.6	22.9	24.2
107.5°	239.3	246.4	91.3	23.7	25.0
110°	273.3	280.4	289.0	24.2	25.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	305.2	313.8	320.4	53.9	26.5
115°	356.4	364.0	367.5	371.7	213.2
117.5°	401.5	410.9	414.8	422.2	429.3
120°	432.9	441.8	444.6	452.0	459.7
122.5°	463.7	471.7	473.4	481.8	489.0
125°	506.1	515.1	515.3	523.9	531.0
127.5°	548.5	556.2	555.8	562.3	570.1
130°	576.7	581.8	582.0	587.4	595.7
132.5°	600.3	607.4	607.6	612.0	620.3
135°	636.9	644.6	643.4	647.5	655.8
137.5°	671.3	678.7	676.6	680.1	688.7
140°	693.8	700.2	697.0	700.5	710.1
142.5°	714.7	721.1	716.4	719.4	729.5
145°	745.4	751.2	746.1	747.0	756.5
147.5°	772.8	778.4	772.2	773.1	782.0
150°	790.5	795.7	787.9	788.8	797.7
152.5°	806.2	810.8	802.6	802.4	812.9
155°	827.8	832.9	823.9	822.2	833.7
157.5°	847.4	852.2	843.1	841.9	850.8
160°	860.5	863.7	854.6	852.9	861.8
162.5°	869.4	873.1	864.0	861.2	870.2
165°	882.7	885.3	876.2	872.5	881.4
167.5°	894.3	897.2	885.5	882.2	891.8
170°	901.1	903.0	891.2	886.9	896.5
172.5°	905.2	906.6	894.9	890.0	896.5
175°	908.9	910.8	899.1	893.3	897.8
177.5°	909.6	910.6	901.7	896.7	904.3
180°	904.3	904.3	904.3	904.3	904.3



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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	20.65	21.65	21.48	22.49	23.54	19.55	20.55	20.38	21.39	22.44
	3H	22.31	23.20	23.14	24.05	25.13	21.09	21.98	21.93	22.84	23.91
	4H	22.94	23.79	23.80	24.65	25.73	21.67	22.51	22.52	23.37	24.46
	6H	23.35	24.13	24.22	25.00	26.09	22.05	22.83	22.91	23.69	24.79
	8H	23.50	24.24	24.38	25.13	26.23	22.19	22.93	23.07	23.82	24.92
	12H	23.58	24.29	24.46	25.17	26.29	22.26	22.97	23.14	23.84	24.97
4H	2H	21.08	21.92	21.94	22.78	23.87	20.20	21.05	21.06	21.91	22.99
	3H	22.96	23.66	23.83	24.56	25.65	21.95	22.65	22.82	23.55	24.65
	4H	23.71	24.35	24.59	25.24	26.37	22.63	23.27	23.51	24.16	25.29
	6H	24.24	24.79	25.13	25.70	26.83	23.11	23.67	24.01	24.58	25.71
	8H	24.45	24.96	25.34	25.87	27.01	23.31	23.82	24.20	24.73	25.87
	12H	24.56	25.02	25.48	25.95	27.10	23.40	23.87	24.32	24.79	25.94
8H	4H	23.88	24.39	24.78	25.30	26.44	22.91	23.43	23.81	24.34	25.48
	6H	24.53	24.95	25.45	25.90	27.04	23.52	23.95	24.45	24.90	26.04
	8H	24.82	25.20	25.75	26.14	27.29	23.80	24.18	24.74	25.12	26.28
	12H	25.00	25.33	25.94	26.26	27.47	23.96	24.29	24.89	25.22	26.43
12H	4H	23.86	24.33	24.78	25.26	26.40	22.92	23.39	23.84	24.32	25.46
	6H	24.56	24.93	25.49	25.88	27.03	23.59	23.97	24.52	24.91	26.07
	8H	24.88	25.21	25.82	26.15	27.35	23.90	24.23	24.84	25.17	26.38