

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: P1439206

Luminaire Tested: CB3-055U-120D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439206
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-055U-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

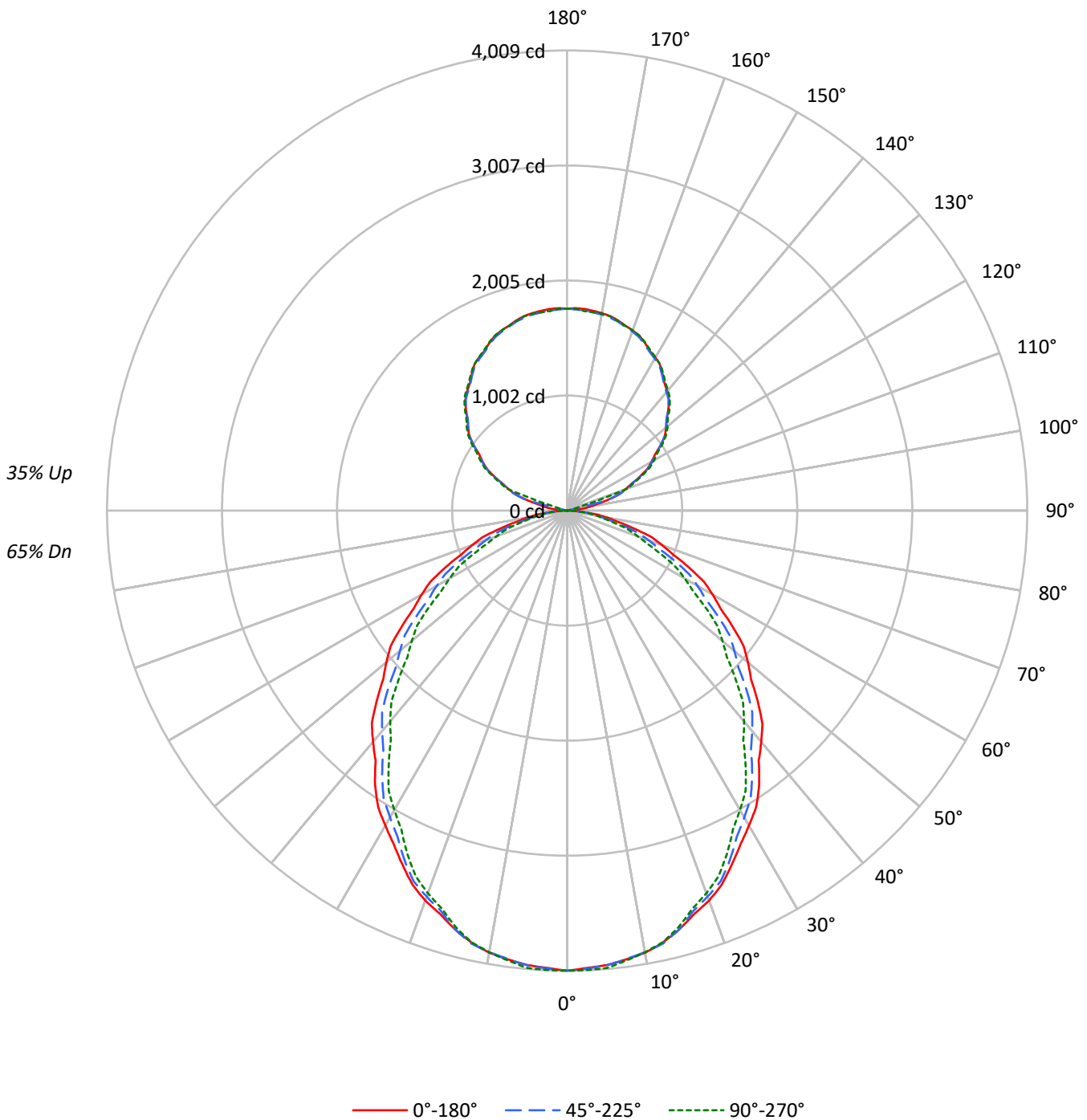
Lumens per Lamp: N/A
Luminaire Lumens: 14788.3 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 113.3
Input Voltage (V): 120
Input Current (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	93	85	79	74	87	80	75	70	71	67	63	63	59	57	55	53	50	47
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	33	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	40	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	26	23	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22678	22678	22678
5°	22571	22587	22717
10°	22472	22439	22439
15°	22128	22128	21994
20°	21768	21546	21357
25°	21219	20953	20580
30°	20700	20161	19677
35°	20155	19407	18719
40°	19428	18503	17704
45°	18769	17699	16605
50°	18092	16739	15536
55°	17354	15810	14519
60°	16558	14850	13368
65°	15626	13758	12157
70°	14553	12480	10831
75°	13194	10953	9646
80°	11500	9184	8532
85°	8873	7763	7763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18769 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.2	2.6
10°-20°	1062.6	7.2
20°-30°	1543.8	10.4
30°-40°	1755.3	11.9
40°-50°	1704.0	11.5
50°-60°	1438.6	9.7
60°-70°	1023.5	6.9
70°-80°	546.9	3.7
80°-90°	144.5	1.0
90°-100°	40.6	0.3
100°-110°	294.2	2.0
110°-120°	699.3	4.7
120°-130°	893.5	6.0
130°-140°	963.7	6.5
140°-150°	908.5	6.1
150°-160°	741.1	5.0
160°-170°	482.9	3.3
170°-180°	166.9	1.1
0°-30°	2984.7	20.2
0°-40°	4739.9	32.1
0°-60°	7882.5	53.3
0°-90°	9597.5	64.9
90°-120°	1034.1	7.0
90°-150°	3799.8	25.7
90°-180°	5191.0	35.1
0°-180°	14788.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4009	4009	4009	4009	4009	
5°	3975	4025	3977	3972	4000	377
15°	3778	3812	3778	3755	3755	1064
25°	3399	3411	3357	3311	3297	1566
35°	2918	2890	2810	2727	2710	1819
45°	2346	2310	2212	2106	2076	1810
55°	1760	1712	1603	1500	1472	1573
65°	1167	1126	1028	936	908	1156
75°	604	570	501	450	441	643
85°	137	126	120	120	120	162
90°	0	0	0	1	0	8
95°	74	13	17	19	19	92
105°	372	378	383	28	29	393
115°	698	704	705	716	720	689
125°	993	999	997	1008	1014	886
135°	1247	1254	1243	1253	1260	960
145°	1451	1460	1442	1452	1459	908
155°	1608	1621	1598	1603	1613	741
165°	1714	1723	1704	1700	1711	484
175°	1763	1772	1748	1739	1744	168
180°	1759	1759	1759	1759	1759	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4008.7	4008.7	4008.7	4008.7	4008.7
2.5°	3988.2	4028.3	3992.8	3997.5	4006.4
5°	3974.6	4024.7	3977.4	3972.3	4000.2
7.5°	3943.8	3989.5	3940.4	3929.0	3954.1
10°	3911.9	3962.0	3906.2	3892.3	3906.2
12.5°	3855.0	3907.3	3862.9	3839.9	3851.6
15°	3778.1	3811.5	3778.1	3755.3	3755.3
17.5°	3684.2	3719.2	3656.2	3640.2	3634.0
20°	3615.8	3646.4	3578.8	3555.8	3547.5
22.5°	3524.7	3553.1	3496.8	3457.9	3447.3
25°	3399.4	3410.6	3356.7	3310.9	3296.9
27.5°	3273.6	3276.4	3202.4	3146.8	3128.4
30°	3168.8	3171.6	3086.3	3026.2	3012.2
32.5°	3064.1	3055.7	2974.7	2903.3	2893.8
35°	2918.3	2890.4	2810.1	2727.1	2710.4
37.5°	2742.3	2725.6	2630.7	2547.6	2522.5
40°	2630.7	2602.9	2505.5	2422.3	2397.3
42.5°	2519.1	2486.8	2387.0	2294.7	2267.4
45°	2346.0	2309.8	2212.2	2106.2	2075.5
47.5°	2171.8	2132.2	2024.9	1922.2	1888.2
50°	2055.6	2013.9	1901.9	1801.4	1765.2
52.5°	1937.2	1893.2	1781.1	1678.6	1649.0
55°	1759.5	1712.2	1602.9	1499.8	1472.0
57.5°	1581.9	1535.1	1426.4	1328.8	1295.4
60°	1463.4	1418.9	1312.5	1215.0	1181.5
62.5°	1342.7	1300.4	1196.4	1101.1	1069.9
65°	1167.3	1125.6	1027.8	936.1	908.2
67.5°	993.6	958.0	861.5	777.3	755.1
70°	879.8	846.3	754.5	677.1	654.8
72.5°	770.4	734.8	647.4	581.6	566.0
75°	603.6	570.2	501.1	449.7	441.3
77.5°	451.0	423.7	363.9	334.7	330.3
80°	353.0	328.0	281.9	261.9	261.9
82.5°	261.9	241.3	211.3	202.7	202.7
85°	136.7	125.5	119.6	119.6	119.6
87.5°	41.0	41.0	38.7	36.7	36.4
90°	0.0	0.0	0.0	1.3	0.0
92.5°	20.1	7.7	6.4	7.7	7.4
95°	74.2	13.3	17.2	18.6	18.6
97.5°	149.5	146.7	20.1	24.1	24.4
100°	206.8	213.2	21.2	25.2	26.5
102.5°	270.4	275.8	39.2	26.3	27.6
105°	372.4	377.6	383.1	27.9	29.2
107.5°	474.0	477.9	481.4	433.4	162.2
110°	540.8	544.7	546.1	559.4	562.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	603.3	608.3	610.8	622.0	626.7
115°	698.5	703.7	705.1	715.8	719.7
117.5°	788.9	794.3	796.9	805.5	811.7
120°	848.3	854.8	856.2	867.0	872.1
122.5°	906.6	914.1	913.5	923.2	930.5
125°	992.8	999.2	996.7	1007.5	1014.0
127.5°	1074.7	1078.6	1073.1	1086.2	1091.6
130°	1126.6	1130.5	1124.0	1136.0	1142.5
132.5°	1174.3	1180.3	1172.7	1183.8	1190.2
135°	1247.2	1253.7	1243.3	1252.7	1260.5
137.5°	1312.2	1320.0	1307.4	1318.4	1325.2
140°	1354.6	1362.4	1346.6	1358.8	1366.5
142.5°	1393.8	1403.7	1384.8	1395.9	1404.7
145°	1451.4	1460.4	1442.1	1451.5	1459.3
147.5°	1506.0	1513.7	1496.2	1502.9	1508.4
150°	1538.8	1546.6	1526.9	1533.7	1540.2
152.5°	1565.3	1576.2	1556.6	1561.3	1570.9
155°	1607.8	1620.7	1598.5	1602.7	1613.1
157.5°	1646.7	1658.4	1636.1	1639.8	1648.8
160°	1670.1	1681.7	1659.5	1661.0	1670.1
162.5°	1688.1	1698.7	1679.6	1676.9	1688.1
165°	1713.8	1722.9	1704.5	1699.5	1711.1
167.5°	1735.3	1745.6	1723.1	1718.9	1732.1
170°	1746.9	1757.3	1733.7	1727.4	1741.6
172.5°	1754.4	1763.7	1741.1	1732.6	1743.7
175°	1762.8	1771.9	1748.3	1739.1	1744.3
177.5°	1765.2	1772.5	1753.6	1745.4	1757.8
180°	1758.9	1758.9	1758.9	1758.9	1758.9



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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	19.27	20.27	20.09	21.11	22.15	18.19	19.19	19.01	20.03	21.07
	3H	20.95	21.84	21.78	22.69	23.76	19.62	20.51	20.45	21.36	22.43
	4H	21.58	22.43	22.43	23.29	24.37	20.14	20.98	20.99	21.84	22.92
	6H	21.98	22.76	22.84	23.62	24.71	20.46	21.24	21.33	22.11	23.20
	8H	22.12	22.86	22.99	23.74	24.84	20.59	21.33	21.46	22.22	23.31
	12H	22.19	22.90	23.07	23.77	24.89	20.67	21.38	21.55	22.25	23.37
4H	2H	19.69	20.54	20.55	21.40	22.48	18.84	19.68	19.69	20.54	21.62
	3H	21.60	22.30	22.46	23.19	24.29	20.47	21.17	21.33	22.06	23.16
	4H	22.35	22.99	23.23	23.88	25.00	21.08	21.72	21.96	22.61	23.73
	6H	22.86	23.41	23.75	24.33	25.45	21.50	22.05	22.39	22.96	24.09
	8H	23.06	23.57	23.95	24.48	25.62	21.67	22.19	22.57	23.10	24.23
	12H	23.16	23.62	24.08	24.55	25.69	21.78	22.25	22.70	23.18	24.32
8H	4H	22.49	23.01	23.39	23.91	25.05	21.35	21.87	22.25	22.77	23.91
	6H	23.12	23.54	24.04	24.49	25.63	21.89	22.31	22.81	23.26	24.40
	8H	23.39	23.77	24.33	24.71	25.87	22.14	22.52	23.07	23.46	24.61
	12H	23.56	23.90	24.50	24.83	26.04	22.32	22.66	23.26	23.59	24.79
12H	4H	22.47	22.94	23.39	23.86	25.01	21.36	21.83	22.28	22.75	23.90
	6H	23.13	23.51	24.07	24.45	25.61	21.94	22.32	22.88	23.26	24.42
	8H	23.44	23.77	24.38	24.70	25.91	22.23	22.57	23.17	23.50	24.70