

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: P1439164

Luminaire Tested: CB3-055U-030D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439164
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-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

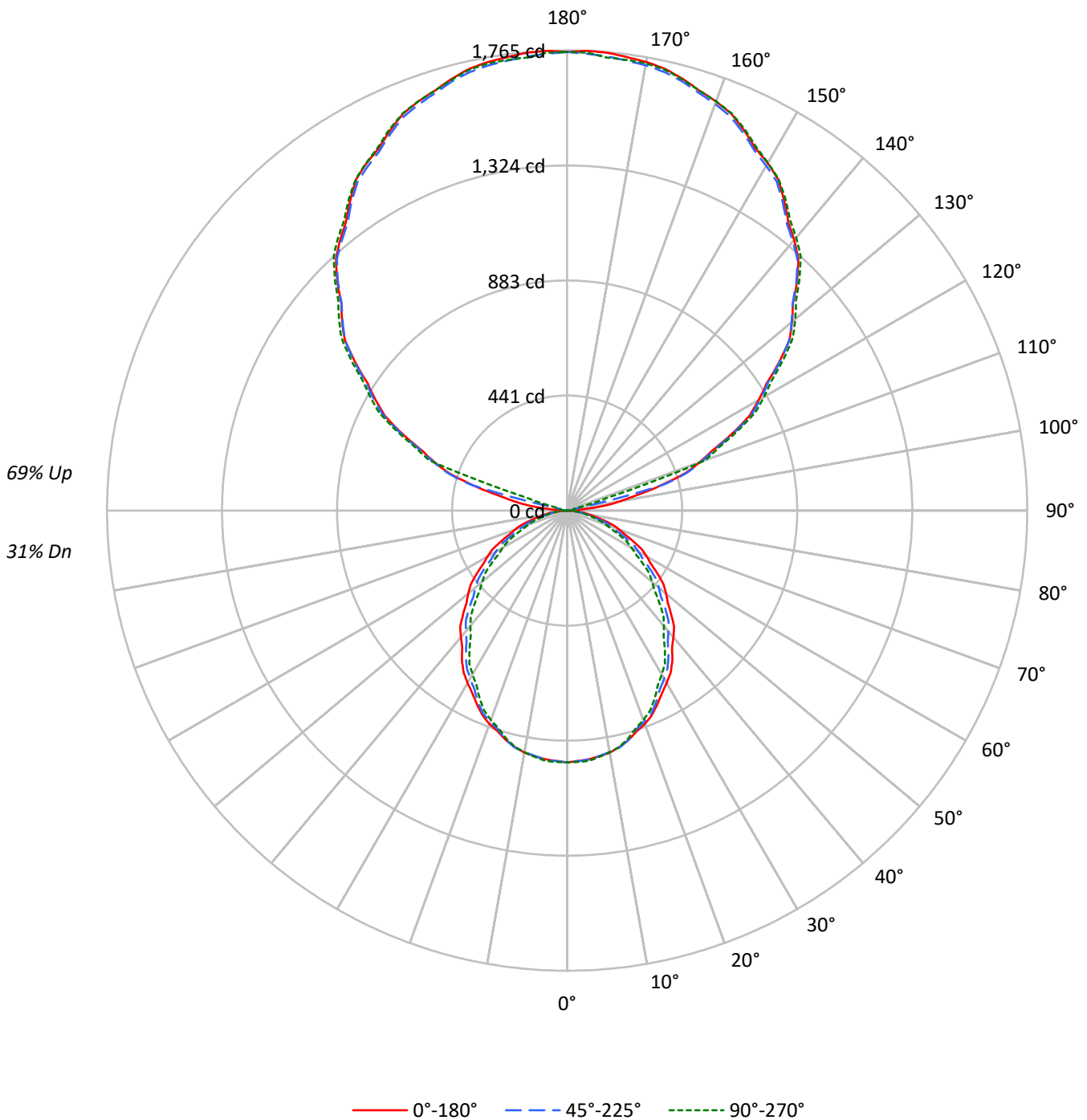
Lumens per Lamp: N/A
Luminaire Lumens: 7503.0 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 53.2
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

TEST NUMBER: P1439164

CATALOG NUMBER: CB3-055U-030D-835-1D-UNV-STD-W-8

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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	48	47	46	34	33	33	26
2	85	78	72	67	76	70	66	61	56	53	50	43	40	38	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	33	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	36	34	30	28	24	22	20	16
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	22	20	18	14
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	16	13
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	16	14	13	10
9	48	36	29	24	43	33	26	22	27	22	18	21	17	15	15	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5463	5463	5463
5°	5438	5442	5473
10°	5414	5406	5406
15°	5331	5331	5299
20°	5244	5191	5145
25°	5112	5048	4958
30°	4987	4857	4741
35°	4855	4676	4510
40°	4681	4458	4265
45°	4522	4264	4000
50°	4358	4033	3742
55°	4181	3809	3497
60°	3988	3578	3220
65°	3764	3314	2929
70°	3505	3007	2610
75°	3178	2638	2324
80°	2769	2212	2056
85°	2136	1869	1869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4522 cd/sqm



TEST NUMBER: P1439164

CATALOG NUMBER: CB3-055U-030D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	1.2
10°-20°	256.0	3.4
20°-30°	371.9	5.0
30°-40°	422.9	5.6
40°-50°	410.5	5.5
50°-60°	346.6	4.6
60°-70°	246.6	3.3
70°-80°	131.7	1.8
80°-90°	34.9	0.5
90°-100°	40.6	0.5
100°-110°	294.2	3.9
110°-120°	699.3	9.3
120°-130°	893.5	11.9
130°-140°	963.7	12.8
140°-150°	908.5	12.1
150°-160°	741.1	9.9
160°-170°	482.9	6.4
170°-180°	166.9	2.2
0°-30°	719.0	9.6
0°-40°	1141.9	15.2
0°-60°	1899.0	25.3
0°-90°	2312.2	30.8
90°-120°	1034.1	13.8
90°-150°	3799.8	50.6
90°-180°	5191.0	69.2
0°-180°	7503.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	958	970	958	957	964	91
15°	910	918	910	905	905	256
25°	819	822	809	798	794	377
35°	703	696	677	657	653	438
45°	565	556	533	507	500	436
55°	424	412	386	361	355	379
65°	281	271	248	226	219	279
75°	145	137	121	108	106	155
85°	33	30	29	29	29	39
90°	0	0	0	1	0	4
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	

TEST NUMBER: P1439164

CATALOG NUMBER: CB3-055U-030D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	965.7	965.7	965.7	965.7	965.7
2.5°	960.8	970.4	961.9	963.0	965.2
5°	957.5	969.6	958.2	957.0	963.7
7.5°	950.1	961.1	949.3	946.5	952.6
10°	942.4	954.5	941.0	937.7	941.0
12.5°	928.7	941.3	930.6	925.0	927.9
15°	910.2	918.2	910.2	904.7	904.7
17.5°	887.5	896.0	880.8	876.9	875.5
20°	871.1	878.5	862.2	856.6	854.6
22.5°	849.1	856.0	842.4	833.0	830.5
25°	818.9	821.6	808.7	797.6	794.3
27.5°	788.6	789.3	771.5	758.1	753.7
30°	763.4	764.1	743.5	729.0	725.7
32.5°	738.2	736.1	716.6	699.4	697.1
35°	703.0	696.3	677.0	657.0	653.0
37.5°	660.6	656.6	633.8	613.7	607.7
40°	633.8	627.1	603.6	583.6	577.5
42.5°	606.9	599.1	575.0	552.8	546.2
45°	565.2	556.5	532.9	507.4	500.0
47.5°	523.2	513.7	487.8	463.1	454.9
50°	495.2	485.2	458.2	434.0	425.2
52.5°	466.7	456.1	429.1	404.4	397.3
55°	423.9	412.5	386.2	361.3	354.6
57.5°	381.1	369.8	343.6	320.1	312.1
60°	352.5	341.8	316.2	292.7	284.6
62.5°	323.5	313.3	288.2	265.3	257.8
65°	281.2	271.2	247.6	225.5	218.8
67.5°	239.4	230.8	207.5	187.3	181.9
70°	211.9	203.9	181.8	163.1	157.8
72.5°	185.6	177.0	156.0	140.1	136.4
75°	145.4	137.4	120.7	108.3	106.3
77.5°	108.6	102.1	87.7	80.6	79.6
80°	85.0	79.0	67.9	63.1	63.1
82.5°	63.1	58.1	50.9	48.8	48.8
85°	32.9	30.2	28.8	28.8	28.8
87.5°	9.9	9.9	9.3	9.0	8.8
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



TEST NUMBER: P1439164

CATALOG NUMBER: CB3-055U-030D-835-1D-UNV-STD-W-8

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	10.94	11.65	12.05	12.75	14.27	9.86	10.57	10.97	11.67	13.19
	3H	12.60	13.23	13.71	14.34	15.88	11.27	11.90	12.38	13.01	14.55
	4H	13.22	13.82	14.35	14.93	16.47	11.78	12.37	12.90	13.49	15.03
	6H	13.60	14.15	14.73	15.26	16.82	12.09	12.64	13.22	13.75	15.31
	8H	13.73	14.25	14.87	15.38	16.93	12.20	12.73	13.34	13.86	15.41
	12H	13.79	14.29	14.93	15.41	16.98	12.27	12.77	13.42	13.89	15.47
4H	2H	11.33	11.93	12.46	13.04	14.59	10.47	11.07	11.61	12.18	13.73
	3H	13.21	13.71	14.35	14.84	16.40	12.08	12.58	13.22	13.71	15.27
	4H	13.95	14.41	15.09	15.53	17.11	12.68	13.14	13.82	14.26	15.84
	6H	14.44	14.83	15.59	15.98	17.55	13.08	13.47	14.23	14.62	16.19
	8H	14.63	15.00	15.78	16.14	17.72	13.25	13.61	14.39	14.76	16.34
	12H	14.72	15.05	15.88	16.20	17.79	13.34	13.68	14.51	14.83	16.42
8H	4H	14.07	14.43	15.21	15.57	17.16	12.93	13.29	14.07	14.43	16.02
	6H	14.68	14.98	15.85	16.16	17.74	13.45	13.75	14.62	14.93	16.52
	8H	14.95	15.22	16.13	16.38	17.98	13.70	13.96	14.87	15.13	16.73
	12H	15.11	15.34	16.29	16.50	18.14	13.87	14.10	15.05	15.26	16.89
12H	4H	14.03	14.36	15.20	15.52	17.11	12.92	13.25	14.09	14.41	16.00
	6H	14.69	14.96	15.87	16.12	17.72	13.50	13.77	14.68	14.93	16.53
	8H	14.99	15.22	16.16	16.38	18.01	13.78	14.01	14.96	15.17	16.81