

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: P1439198

Luminaire Tested: CB3-055U-085D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439198
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-085D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

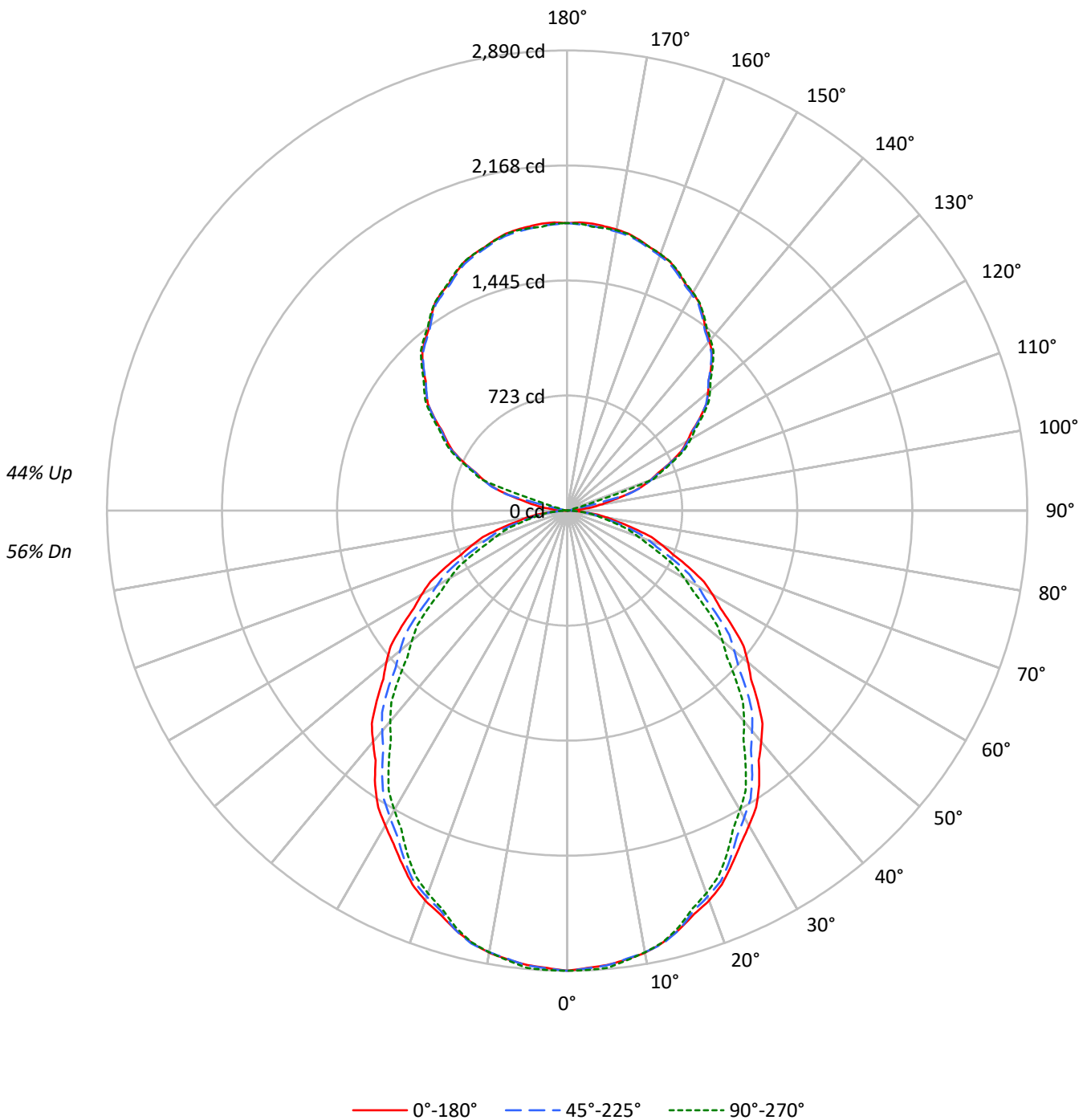
Lumens per Lamp: N/A
Luminaire Lumens: 12246.1 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 88.5
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: P1439198

CATALOG NUMBER: CB3-055U-085D-930-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439198

CATALOG NUMBER: CB3-055U-085D-930-1D-UNV-STD-W-8

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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	99	95	91	88	92	89	85	82	77	74	72	65	64	62	55	54	53	48
2	91	83	77	72	84	78	72	68	67	63	60	58	55	52	49	47	45	41
3	83	73	66	60	77	69	62	57	60	55	51	51	47	44	43	41	38	35
4	76	65	57	51	70	61	54	49	53	48	43	46	42	38	39	36	33	30
5	70	58	50	44	65	55	47	42	48	42	37	41	37	33	35	32	29	26
6	64	52	44	38	60	49	42	36	43	37	33	37	33	29	32	28	26	23
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	26	23	20
8	55	43	35	30	51	41	33	29	36	30	26	31	27	23	27	23	21	18
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	17
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16350	16350	16350
5°	16272	16284	16377
10°	16201	16177	16177
15°	15952	15952	15856
20°	15693	15533	15396
25°	15298	15105	14836
30°	14923	14534	14186
35°	14529	13991	13495
40°	14006	13339	12763
45°	13531	12759	11971
50°	13042	12067	11200
55°	12511	11398	10467
60°	11937	10706	9638
65°	11265	9919	8765
70°	10490	8997	7809
75°	9510	7895	6953
80°	8291	6620	6151
85°	6394	5595	5595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13531 cd/sqm



TEST NUMBER: P1439198

CATALOG NUMBER: CB3-055U-085D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.7	2.2
10°-20°	766.1	6.3
20°-30°	1113.0	9.1
30°-40°	1265.4	10.3
40°-50°	1228.4	10.0
50°-60°	1037.1	8.5
60°-70°	737.9	6.0
70°-80°	394.2	3.2
80°-90°	104.2	0.9
90°-100°	41.7	0.3
100°-110°	301.9	2.5
110°-120°	717.7	5.9
120°-130°	916.9	7.5
130°-140°	989.0	8.1
140°-150°	932.4	7.6
150°-160°	760.6	6.2
160°-170°	495.6	4.0
170°-180°	171.3	1.4
0°-30°	2151.7	17.6
0°-40°	3417.1	27.9
0°-60°	5682.6	46.4
0°-90°	6919.0	56.5
90°-120°	1061.3	8.7
90°-150°	3899.6	31.8
90°-180°	5327.0	43.5
0°-180°	12246.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2890	2890	2890	2890	2890	
5°	2865	2901	2867	2864	2884	272
15°	2724	2748	2724	2707	2707	767
25°	2451	2459	2420	2387	2377	1129
35°	2104	2084	2026	1966	1954	1311
45°	1691	1665	1595	1518	1496	1305
55°	1268	1234	1156	1081	1061	1134
65°	842	811	741	675	655	834
75°	435	411	361	324	318	464
85°	98	90	86	86	86	117
90°	0	0	0	1	0	7
95°	76	14	18	19	19	94
105°	382	388	393	29	30	403
115°	717	722	724	735	739	707
125°	1019	1026	1023	1034	1041	909
135°	1280	1287	1276	1286	1294	986
145°	1490	1499	1480	1490	1498	932
155°	1650	1663	1640	1645	1655	761
165°	1759	1768	1749	1744	1756	497
175°	1809	1818	1794	1785	1790	172
180°	1805	1805	1805	1805	1805	

TEST NUMBER: P1439198

CATALOG NUMBER: CB3-055U-085D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2890.0	2890.0	2890.0	2890.0	2890.0
2.5°	2875.2	2904.1	2878.5	2881.9	2888.3
5°	2865.3	2901.4	2867.4	2863.7	2883.8
7.5°	2843.2	2876.1	2840.7	2832.5	2850.5
10°	2820.2	2856.3	2816.1	2806.0	2816.1
12.5°	2779.1	2816.8	2784.9	2768.2	2776.7
15°	2723.7	2747.8	2723.7	2707.3	2707.3
17.5°	2656.0	2681.3	2635.9	2624.3	2619.8
20°	2606.7	2628.8	2580.0	2563.5	2557.4
22.5°	2541.0	2561.5	2520.9	2492.8	2485.2
25°	2450.7	2458.7	2419.9	2386.9	2376.8
27.5°	2360.0	2362.0	2308.7	2268.6	2255.3
30°	2284.5	2286.5	2224.9	2181.6	2171.6
32.5°	2208.9	2202.9	2144.5	2093.0	2086.2
35°	2103.8	2083.8	2025.8	1966.0	1954.0
37.5°	1977.0	1965.0	1896.5	1836.6	1818.5
40°	1896.5	1876.5	1806.2	1746.3	1728.2
42.5°	1816.1	1792.8	1720.8	1654.3	1634.6
45°	1691.3	1665.2	1594.8	1518.4	1496.3
47.5°	1565.7	1537.2	1459.8	1385.7	1361.2
50°	1481.9	1451.8	1371.1	1298.7	1272.6
52.5°	1396.5	1364.8	1284.1	1210.1	1188.8
55°	1268.5	1234.3	1155.6	1081.2	1061.2
57.5°	1140.4	1106.7	1028.3	958.0	933.9
60°	1055.0	1022.9	946.2	875.9	851.8
62.5°	968.0	937.5	862.5	793.8	771.3
65°	841.5	811.4	741.0	674.8	654.8
67.5°	716.3	690.6	621.1	560.4	544.3
70°	634.2	610.1	543.9	488.1	472.1
72.5°	555.4	529.7	466.7	419.3	408.0
75°	435.1	411.1	361.2	324.2	318.1
77.5°	325.1	305.5	262.3	241.3	238.1
80°	254.5	236.5	203.2	188.8	188.8
82.5°	188.8	174.0	152.3	146.1	146.1
85°	98.5	90.5	86.2	86.2	86.2
87.5°	29.6	29.6	27.9	26.5	26.3
90°	0.0	0.0	0.0	1.3	0.0
92.5°	20.7	7.9	6.5	7.9	7.6
95°	76.2	13.7	17.7	19.0	19.0
97.5°	153.4	150.5	20.7	24.8	25.0
100°	212.2	218.8	21.8	25.9	27.2
102.5°	277.5	283.1	40.3	27.0	28.3
105°	382.2	387.6	393.1	28.6	29.9
107.5°	486.4	490.4	494.0	444.7	166.5
110°	555.0	559.0	560.4	574.1	576.7



TEST NUMBER: P1439198

CATALOG NUMBER: CB3-055U-085D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	619.2	624.2	626.8	638.3	643.1
115°	716.9	722.2	723.7	734.6	738.6
117.5°	809.6	815.2	817.8	826.6	833.0
120°	870.6	877.2	878.7	889.7	895.0
122.5°	930.4	938.1	937.5	947.4	954.9
125°	1018.8	1025.5	1022.9	1033.9	1040.6
127.5°	1102.9	1106.9	1101.3	1114.7	1120.3
130°	1156.2	1160.2	1153.5	1165.9	1172.5
132.5°	1205.2	1211.3	1203.5	1214.9	1221.5
135°	1280.0	1286.6	1275.9	1285.6	1293.6
137.5°	1346.6	1354.6	1341.7	1353.1	1360.0
140°	1390.2	1398.2	1382.0	1394.4	1402.4
142.5°	1430.4	1440.5	1421.2	1432.5	1441.6
145°	1489.5	1498.8	1480.0	1489.7	1497.6
147.5°	1545.5	1553.5	1535.4	1542.4	1548.0
150°	1579.2	1587.2	1567.0	1574.0	1580.6
152.5°	1606.5	1617.6	1597.5	1602.3	1612.2
155°	1650.0	1663.3	1640.5	1644.8	1655.4
157.5°	1690.0	1701.9	1679.1	1682.8	1692.1
160°	1713.9	1725.9	1703.0	1704.6	1713.9
162.5°	1732.4	1743.3	1723.7	1721.0	1732.4
165°	1758.8	1768.1	1749.3	1744.1	1756.1
167.5°	1780.8	1791.5	1768.3	1764.0	1777.6
170°	1792.8	1803.4	1779.2	1772.7	1787.4
172.5°	1800.4	1810.0	1786.8	1778.1	1789.5
175°	1809.1	1818.4	1794.2	1784.8	1790.1
177.5°	1811.6	1819.0	1799.6	1791.2	1804.0
180°	1805.1	1805.1	1805.1	1805.1	1805.1



TEST NUMBER: P1439198

CATALOG NUMBER: CB3-055U-085D-930-1D-UNV-STD-W-8

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	17.44	18.35	18.34	19.27	20.44	16.36	17.27	17.26	18.19	19.37
	3H	19.11	19.92	20.02	20.85	22.05	17.78	18.59	18.69	19.52	20.72
	4H	19.74	20.51	20.67	21.45	22.66	18.30	19.07	19.23	20.00	21.21
	6H	20.13	20.84	21.07	21.78	23.00	18.62	19.33	19.56	20.27	21.49
	8H	20.27	20.94	21.22	21.90	23.12	18.74	19.42	19.69	20.38	21.60
	12H	20.34	20.98	21.29	21.93	23.18	18.82	19.46	19.77	20.41	21.66
4H	2H	17.85	18.62	18.79	19.56	20.77	16.99	17.76	17.93	18.70	19.91
	3H	19.75	20.39	20.69	21.35	22.58	18.62	19.26	19.56	20.22	21.45
	4H	20.50	21.08	21.45	22.04	23.29	19.23	19.81	20.18	20.77	22.02
	6H	21.00	21.51	21.97	22.49	23.74	19.64	20.15	20.61	21.13	22.38
	8H	21.19	21.67	22.16	22.64	23.91	19.81	20.28	20.78	21.26	22.52
	12H	21.29	21.72	22.28	22.71	23.98	19.92	20.34	20.91	21.34	22.61
8H	4H	20.63	21.10	21.60	22.08	23.34	19.49	19.96	20.46	20.94	22.20
	6H	21.25	21.64	22.25	22.66	23.92	20.02	20.41	21.02	21.43	22.69
	8H	21.53	21.87	22.53	22.88	24.16	20.27	20.62	21.28	21.62	22.90
	12H	21.69	22.00	22.70	23.00	24.32	20.45	20.76	21.46	21.76	23.08
12H	4H	20.61	21.03	21.59	22.02	23.29	19.50	19.92	20.48	20.91	22.18
	6H	21.27	21.61	22.27	22.62	23.90	20.08	20.42	21.08	21.43	22.71
	8H	21.57	21.87	22.58	22.87	24.20	20.36	20.67	21.37	21.67	22.99