

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: P1439192

Luminaire Tested: CB3-055U-085D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439192
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-835-1D-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

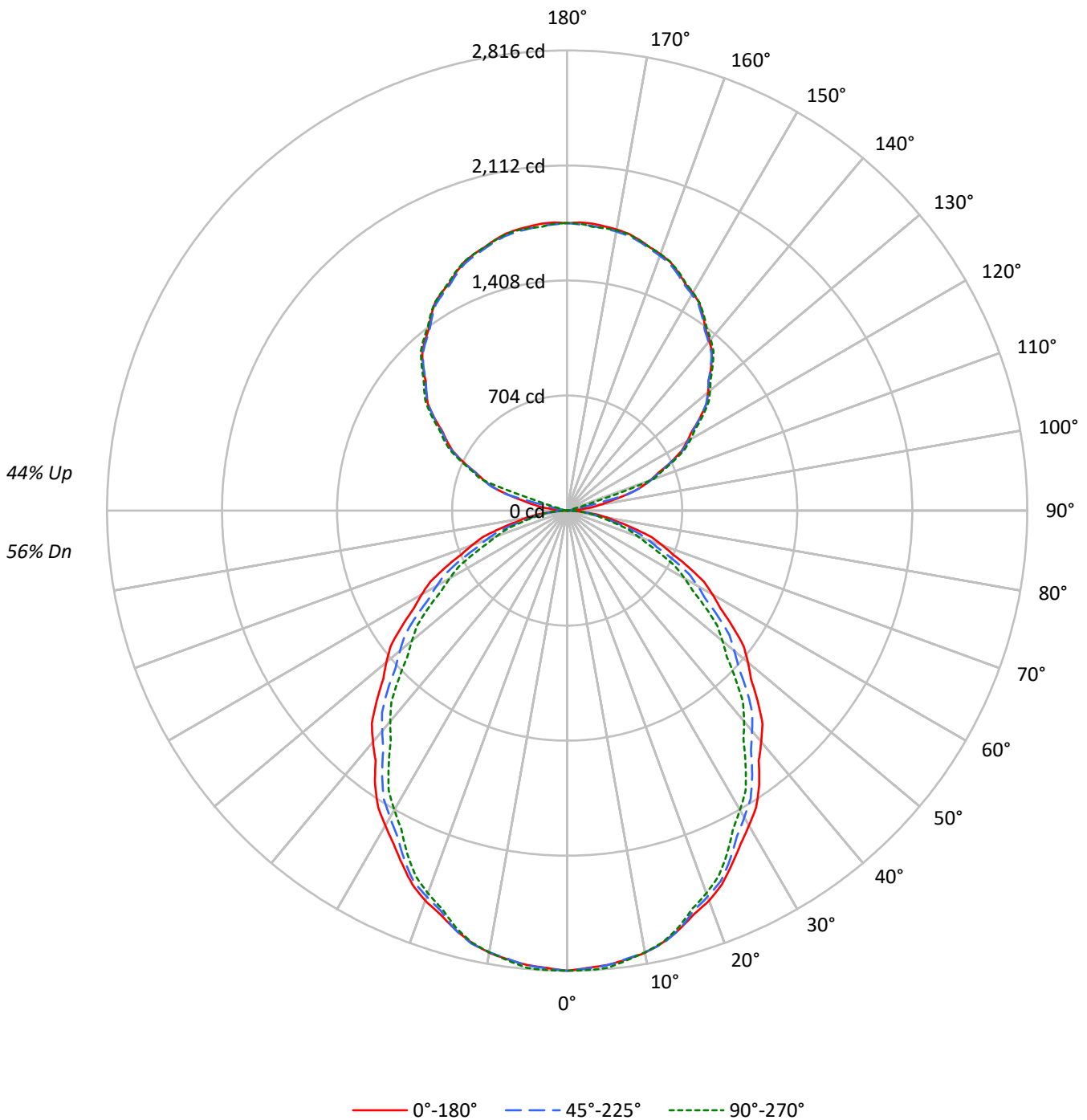
Lumens per Lamp: N/A
Luminaire Lumens: 11932.7 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 88.5
Input Voltage (V): 120
Input Current (Ain): 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: P1439192

CATALOG NUMBER: CB3-055U-085D-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	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°	15931	15931	15931
5°	15855	15867	15958
10°	15786	15763	15763
15°	15544	15544	15450
20°	15292	15135	15003
25°	14906	14719	14457
30°	14541	14162	13823
35°	14158	13633	13150
40°	13648	12998	12436
45°	13185	12433	11665
50°	12709	11758	10913
55°	12191	11106	10199
60°	11631	10432	9391
65°	10977	9665	8540
70°	10222	8767	7609
75°	9268	7694	6776
80°	8080	6451	5995
85°	6231	5452	5452

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13185 cd/sqm



TEST NUMBER: P1439192

CATALOG NUMBER: CB3-055U-085D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.7	2.2
10°-20°	746.4	6.3
20°-30°	1084.5	9.1
30°-40°	1233.0	10.3
40°-50°	1197.0	10.0
50°-60°	1010.6	8.5
60°-70°	719.0	6.0
70°-80°	384.2	3.2
80°-90°	101.6	0.9
90°-100°	40.6	0.3
100°-110°	294.2	2.5
110°-120°	699.3	5.9
120°-130°	893.5	7.5
130°-140°	963.7	8.1
140°-150°	908.5	7.6
150°-160°	741.1	6.2
160°-170°	482.9	4.0
170°-180°	166.9	1.4
0°-30°	2096.6	17.6
0°-40°	3329.7	27.9
0°-60°	5537.2	46.4
0°-90°	6741.9	56.5
90°-120°	1034.1	8.7
90°-150°	3799.8	31.8
90°-180°	5191.0	43.5
0°-180°	11932.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2816	2816	2816	2816	2816	
5°	2792	2827	2794	2790	2810	265
15°	2654	2678	2654	2638	2638	748
25°	2388	2396	2358	2326	2316	1100
35°	2050	2030	1974	1916	1904	1277
45°	1648	1623	1554	1480	1458	1271
55°	1236	1203	1126	1054	1034	1105
65°	820	791	722	658	638	812
75°	424	400	352	316	310	452
85°	96	88	84	84	84	114
90°	0	0	0	1	0	7
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: P1439192

CATALOG NUMBER: CB3-055U-085D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2816.0	2816.0	2816.0	2816.0	2816.0
2.5°	2801.6	2829.8	2804.8	2808.1	2814.4
5°	2792.0	2827.2	2794.0	2790.4	2810.0
7.5°	2770.4	2802.5	2768.0	2760.0	2777.6
10°	2748.0	2783.2	2744.0	2734.2	2744.0
12.5°	2708.0	2744.8	2713.6	2697.4	2705.6
15°	2654.0	2677.5	2654.0	2638.0	2638.0
17.5°	2588.0	2612.6	2568.4	2557.1	2552.8
20°	2540.0	2561.5	2514.0	2497.9	2492.0
22.5°	2476.0	2495.9	2456.4	2429.0	2421.6
25°	2388.0	2395.8	2358.0	2325.8	2316.0
27.5°	2299.6	2301.6	2249.6	2210.5	2197.6
30°	2226.0	2228.0	2168.0	2125.8	2116.0
32.5°	2152.4	2146.5	2089.6	2039.4	2032.8
35°	2050.0	2030.4	1974.0	1915.7	1904.0
37.5°	1926.4	1914.7	1848.0	1789.6	1772.0
40°	1848.0	1828.4	1760.0	1701.6	1684.0
42.5°	1769.6	1746.9	1676.8	1612.0	1592.8
45°	1648.0	1622.6	1554.0	1479.5	1458.0
47.5°	1525.6	1497.8	1422.4	1350.3	1326.4
50°	1444.0	1414.7	1336.0	1265.4	1240.0
52.5°	1360.8	1329.9	1251.2	1179.1	1158.4
55°	1236.0	1202.8	1126.0	1053.6	1034.0
57.5°	1111.2	1078.3	1002.0	933.5	910.0
60°	1028.0	996.7	922.0	853.5	830.0
62.5°	943.2	913.5	840.4	773.5	751.6
65°	820.0	790.7	722.0	657.6	638.0
67.5°	698.0	673.0	605.2	546.0	530.4
70°	618.0	594.5	530.0	475.6	460.0
72.5°	541.2	516.2	454.8	408.6	397.6
75°	424.0	400.5	352.0	315.9	310.0
77.5°	316.8	297.6	255.6	235.1	232.0
80°	248.0	230.4	198.0	184.0	184.0
82.5°	184.0	169.5	148.4	142.4	142.4
85°	96.0	88.2	84.0	84.0	84.0
87.5°	28.8	28.8	27.2	25.9	25.6
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: P1439192

CATALOG NUMBER: CB3-055U-085D-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	17.35	18.26	18.25	19.18	20.35	16.27	17.18	17.17	18.10	19.28
	3H	19.02	19.83	19.93	20.76	21.96	17.69	18.50	18.60	19.43	20.63
	4H	19.65	20.42	20.58	21.36	22.57	18.21	18.98	19.14	19.91	21.12
	6H	20.04	20.75	20.98	21.69	22.91	18.53	19.24	19.47	20.18	21.40
	8H	20.18	20.85	21.12	21.81	23.03	18.65	19.33	19.60	20.29	21.51
	12H	20.25	20.89	21.20	21.84	23.09	18.73	19.37	19.68	20.32	21.57
4H	2H	17.76	18.53	18.70	19.47	20.68	16.90	17.67	17.84	18.61	19.82
	3H	19.66	20.30	20.60	21.26	22.49	18.53	19.17	19.47	20.13	21.36
	4H	20.41	20.99	21.36	21.95	23.20	19.14	19.72	20.09	20.68	21.93
	6H	20.91	21.42	21.88	22.40	23.65	19.55	20.06	20.52	21.04	22.29
	8H	21.10	21.58	22.07	22.55	23.82	19.72	20.19	20.69	21.17	22.43
	12H	21.20	21.63	22.19	22.62	23.89	19.83	20.26	20.82	21.25	22.52
8H	4H	20.54	21.01	21.51	21.99	23.25	19.40	19.87	20.37	20.85	22.11
	6H	21.16	21.55	22.16	22.57	23.83	19.93	20.32	20.93	21.34	22.60
	8H	21.44	21.78	22.44	22.79	24.07	20.18	20.53	21.19	21.53	22.81
	12H	21.60	21.91	22.61	22.91	24.23	20.36	20.67	21.37	21.67	22.99
12H	4H	20.52	20.94	21.50	21.93	23.20	19.41	19.83	20.39	20.82	22.09
	6H	21.18	21.52	22.18	22.53	23.81	19.99	20.33	20.99	21.34	22.62
	8H	21.48	21.78	22.49	22.78	24.11	20.27	20.58	21.28	21.58	22.90