

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: P1439202

Luminaire Tested: CB3-055U-085D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439202
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

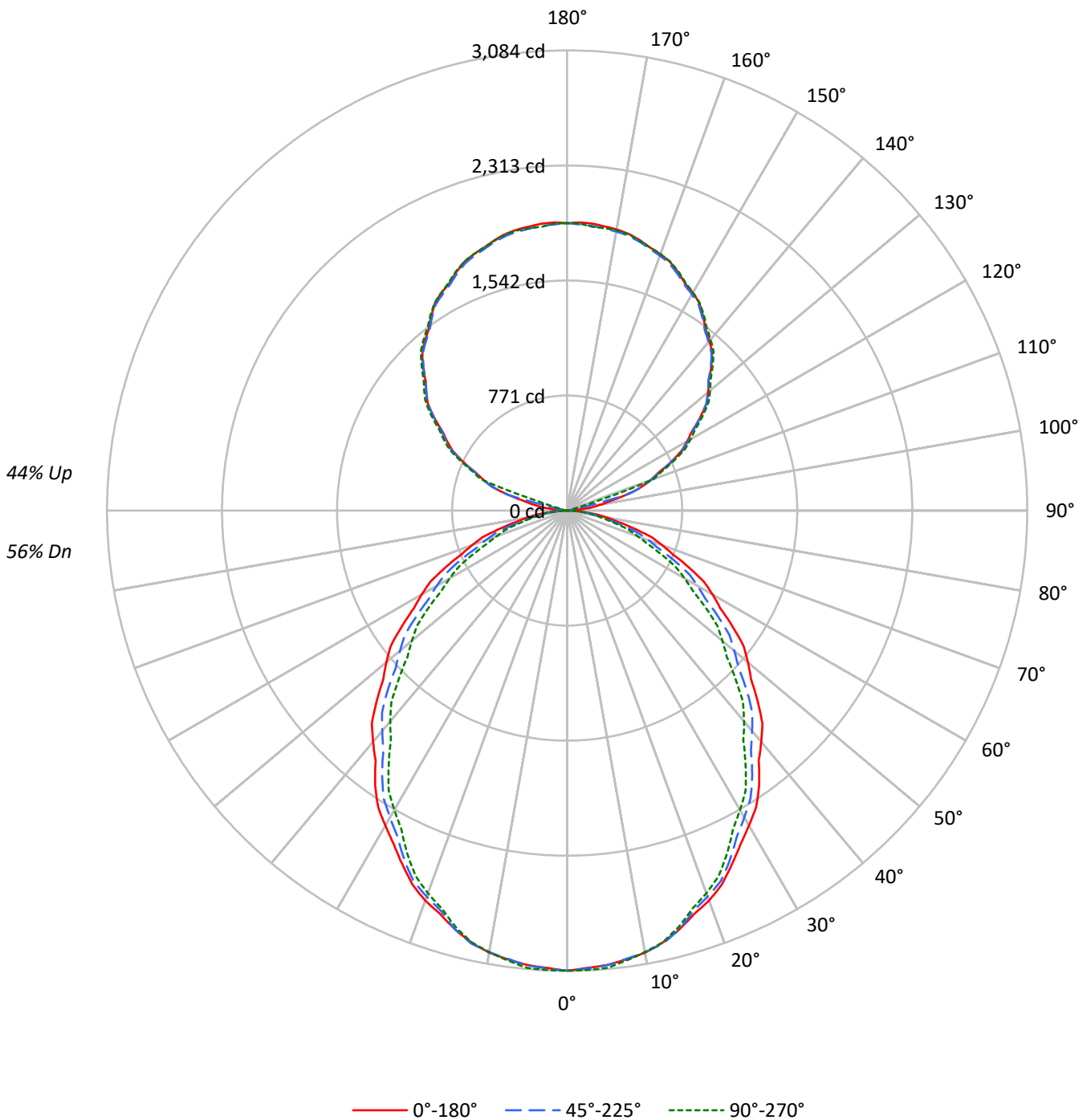
Lumens per Lamp: N/A
Luminaire Lumens: 13067.0 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

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

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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	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°	17445	17445	17445
5°	17363	17375	17475
10°	17287	17261	17261
15°	17022	17022	16919
20°	16746	16574	16429
25°	16323	16118	15831
30°	15924	15509	15136
35°	15504	14929	14400
40°	14945	14233	13619
45°	14439	13615	12774
50°	13917	12876	11951
55°	13350	12161	11168
60°	12737	11423	10284
65°	12020	10583	9352
70°	11193	9600	8332
75°	10149	8426	7421
80°	8848	7063	6565
85°	6822	5972	5972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14439 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.9	2.2
10°-20°	817.4	6.3
20°-30°	1187.6	9.1
30°-40°	1350.2	10.3
40°-50°	1310.8	10.0
50°-60°	1106.6	8.5
60°-70°	787.3	6.0
70°-80°	420.7	3.2
80°-90°	111.2	0.9
90°-100°	44.5	0.3
100°-110°	322.1	2.5
110°-120°	765.8	5.9
120°-130°	978.4	7.5
130°-140°	1055.3	8.1
140°-150°	994.9	7.6
150°-160°	811.6	6.2
160°-170°	528.8	4.0
170°-180°	182.8	1.4
0°-30°	2295.9	17.6
0°-40°	3646.2	27.9
0°-60°	6063.6	46.4
0°-90°	7382.8	56.5
90°-120°	1132.4	8.7
90°-150°	4161.0	31.8
90°-180°	5684.0	43.5
0°-180°	13067.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3084	3084	3084	3084	3084	
5°	3057	3096	3060	3056	3077	290
15°	2906	2932	2906	2889	2889	819
25°	2615	2624	2582	2547	2536	1205
35°	2245	2224	2162	2098	2085	1399
45°	1805	1777	1702	1620	1597	1392
55°	1354	1317	1233	1154	1132	1210
65°	898	866	791	720	699	889
75°	464	439	386	346	340	495
85°	105	97	92	92	92	125
90°	0	0	0	1	0	7
95°	81	15	19	20	20	100
105°	408	414	420	30	32	430
115°	765	771	772	784	788	755
125°	1087	1094	1092	1103	1110	970
135°	1366	1373	1361	1372	1380	1052
145°	1589	1599	1579	1590	1598	994
155°	1761	1775	1750	1755	1766	812
165°	1877	1887	1866	1861	1874	530
175°	1930	1940	1914	1904	1910	184
180°	1926	1926	1926	1926	1926	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3083.7	3083.7	3083.7	3083.7	3083.7
2.5°	3067.9	3098.8	3071.4	3075.1	3081.9
5°	3057.4	3096.0	3059.6	3055.7	3077.1
7.5°	3033.8	3068.9	3031.1	3022.4	3041.6
10°	3009.2	3047.8	3004.8	2994.1	3004.8
12.5°	2965.4	3005.7	2971.6	2953.8	2962.8
15°	2906.3	2932.0	2906.3	2888.8	2888.8
17.5°	2834.0	2861.0	2812.6	2800.2	2795.5
20°	2781.5	2805.0	2753.0	2735.3	2728.9
22.5°	2711.4	2733.2	2689.9	2659.9	2651.8
25°	2615.0	2623.6	2582.1	2546.9	2536.2
27.5°	2518.2	2520.3	2463.4	2420.6	2406.5
30°	2437.6	2439.7	2374.1	2327.9	2317.1
32.5°	2357.0	2350.6	2288.2	2233.3	2226.0
35°	2244.9	2223.5	2161.6	2097.8	2085.0
37.5°	2109.5	2096.7	2023.7	1959.7	1940.4
40°	2023.7	2002.3	1927.3	1863.4	1844.1
42.5°	1937.8	1913.0	1836.2	1765.2	1744.2
45°	1804.7	1776.8	1701.7	1620.2	1596.6
47.5°	1670.6	1640.2	1557.6	1478.6	1452.5
50°	1581.3	1549.1	1463.0	1385.7	1357.9
52.5°	1490.2	1456.3	1370.1	1291.2	1268.5
55°	1353.5	1317.1	1233.0	1153.7	1132.3
57.5°	1216.8	1180.9	1097.2	1022.2	996.5
60°	1125.7	1091.5	1009.6	934.6	908.9
62.5°	1032.9	1000.3	920.3	847.0	823.0
65°	897.9	865.8	790.6	720.1	698.6
67.5°	764.4	736.9	662.7	598.0	580.8
70°	676.7	651.0	580.4	520.9	503.7
72.5°	592.6	565.2	498.0	447.4	435.4
75°	464.3	438.6	385.5	345.9	339.5
77.5°	346.9	325.9	279.9	257.5	254.1
80°	271.6	252.3	216.8	201.5	201.5
82.5°	201.5	185.6	162.5	155.9	155.9
85°	105.1	96.6	92.0	92.0	92.0
87.5°	31.5	31.5	29.8	28.3	28.0
90°	0.0	0.0	0.0	1.4	0.0
92.5°	22.1	8.4	7.0	8.4	8.1
95°	81.3	14.6	18.9	20.3	20.3
97.5°	163.7	160.6	22.1	26.4	26.7
100°	226.4	233.5	23.2	27.6	29.0
102.5°	296.1	302.1	43.0	28.8	30.2
105°	407.9	413.5	419.5	30.5	31.9
107.5°	519.0	523.3	527.2	474.5	177.7
110°	592.2	596.4	598.0	612.6	615.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	660.7	666.1	668.8	681.1	686.2
115°	764.9	770.6	772.2	783.9	788.1
117.5°	863.9	869.9	872.6	882.0	888.9
120°	928.9	936.0	937.6	949.4	955.0
122.5°	992.8	1001.0	1000.3	1011.0	1018.9
125°	1087.1	1094.2	1091.5	1103.3	1110.3
127.5°	1176.8	1181.1	1175.1	1189.4	1195.4
130°	1233.7	1238.0	1230.8	1244.0	1251.1
132.5°	1286.0	1292.5	1284.2	1296.3	1303.4
135°	1365.8	1372.9	1361.4	1371.8	1380.3
137.5°	1436.9	1445.4	1431.7	1443.8	1451.1
140°	1483.4	1491.9	1474.7	1487.9	1496.4
142.5°	1526.3	1537.1	1516.5	1528.6	1538.2
145°	1589.3	1599.3	1579.2	1589.5	1598.0
147.5°	1649.1	1657.6	1638.4	1645.8	1651.7
150°	1685.1	1693.6	1672.1	1679.5	1686.6
152.5°	1714.1	1726.1	1704.6	1709.7	1720.2
155°	1760.6	1774.8	1750.4	1755.0	1766.4
157.5°	1803.3	1816.0	1791.7	1795.7	1805.6
160°	1828.8	1841.6	1817.2	1818.9	1828.8
162.5°	1848.5	1860.2	1839.3	1836.3	1848.5
165°	1876.7	1886.6	1866.5	1861.0	1873.8
167.5°	1900.2	1911.6	1886.9	1882.3	1896.7
170°	1913.0	1924.3	1898.5	1891.6	1907.2
172.5°	1921.1	1931.3	1906.6	1897.3	1909.5
175°	1930.4	1940.3	1914.4	1904.4	1910.1
177.5°	1933.0	1941.0	1920.2	1911.3	1924.9
180°	1926.1	1926.1	1926.1	1926.1	1926.1



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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	17.66	18.57	18.57	19.49	20.67	16.59	17.50	17.49	18.42	19.59
	3H	19.33	20.15	20.25	21.08	22.28	18.00	18.82	18.92	19.75	20.95
	4H	19.97	20.74	20.90	21.67	22.88	18.52	19.29	19.45	20.23	21.44
	6H	20.35	21.06	21.29	22.01	23.23	18.84	19.55	19.78	20.49	21.72
	8H	20.49	21.17	21.44	22.13	23.35	18.97	19.64	19.91	20.60	21.82
	12H	20.56	21.21	21.51	22.16	23.40	19.04	19.69	20.00	20.64	21.89
4H	2H	18.08	18.85	19.01	19.78	20.99	17.22	17.99	18.15	18.92	20.13
	3H	19.97	20.61	20.92	21.58	22.80	18.84	19.48	19.79	20.45	21.67
	4H	20.72	21.31	21.68	22.27	23.52	19.45	20.04	20.41	21.00	22.25
	6H	21.23	21.73	22.19	22.72	23.96	19.87	20.37	20.83	21.35	22.60
	8H	21.42	21.89	22.39	22.87	24.13	20.04	20.51	21.01	21.49	22.75
	12H	21.52	21.95	22.51	22.94	24.21	20.15	20.57	21.13	21.56	22.83
8H	4H	20.86	21.33	21.82	22.30	23.57	19.72	20.19	20.69	21.16	22.43
	6H	21.48	21.87	22.47	22.88	24.15	20.25	20.64	21.24	21.66	22.92
	8H	21.75	22.10	22.76	23.10	24.38	20.50	20.84	21.50	21.85	23.13
	12H	21.92	22.22	22.93	23.22	24.55	20.68	20.98	21.69	21.98	23.31
12H	4H	20.83	21.26	21.82	22.25	23.52	19.72	20.15	20.71	21.14	22.41
	6H	21.49	21.84	22.50	22.84	24.12	20.30	20.65	21.31	21.66	22.94
	8H	21.80	22.10	22.80	23.10	24.42	20.59	20.89	21.60	21.89	23.22