

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: P1438686

Luminaire Tested: CB2-055U-120D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438686
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-055U-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

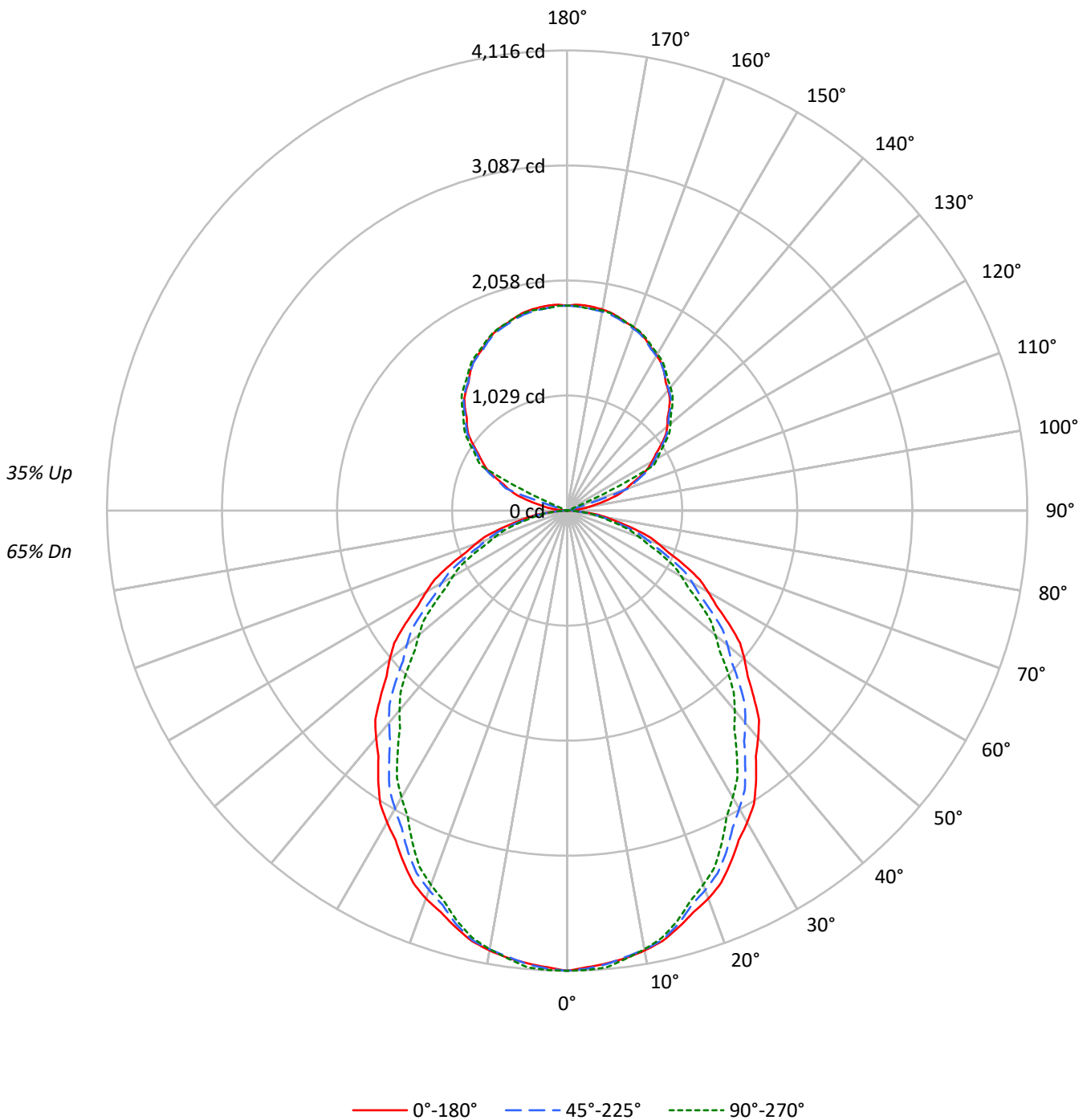
Lumens per Lamp: N/A
Luminaire Lumens: 14825.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 126.3
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	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	70	70	70	70	70	70	65		
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	61	59	62	61	59	62	61	59	55		
2	92	85	79	74	87	80	75	70	71	67	63	63	59	57	55	52	50	55	52	50	55	52	50	46		
3	85	75	68	62	79	71	64	59	63	58	53	56	52	48	49	46	43	49	46	43	49	46	43	40		
4	78	67	59	52	73	63	56	50	56	50	46	50	45	42	44	40	37	44	40	37	44	40	37	34		
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	40	36	33	40	36	33	30		
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	36	32	29	36	32	29	26		
7	61	49	40	35	57	46	39	34	41	35	31	37	32	28	33	29	26	33	29	26	33	29	26	23		
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	30	26	23	30	26	23	21		
9	53	41	33	28	50	39	32	27	35	29	25	31	27	23	28	24	21	28	24	21	28	24	21	19		
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	26	22	19	26	22	19	17		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35845	35845	35845
5°	35541	35596	35845
10°	35339	35255	35228
15°	34780	34552	34268
20°	34232	33473	33005
25°	33312	32374	31465
30°	32390	30963	29791
35°	31328	29519	28111
40°	30203	28162	26513
45°	29073	26744	24958
50°	28053	25364	23441
55°	26797	23926	22012
60°	25361	22561	20586
65°	23833	21041	19158
70°	22150	19339	17335
75°	20148	17497	15693
80°	18019	15331	14223
85°	13859	12600	10392

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29073 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.1	2.6
10°-20°	1079.0	7.3
20°-30°	1551.4	10.5
30°-40°	1743.7	11.8
40°-50°	1684.4	11.4
50°-60°	1423.2	9.6
60°-70°	1022.3	6.9
70°-80°	558.7	3.8
80°-90°	148.5	1.0
90°-100°	31.9	0.2
100°-110°	203.3	1.4
110°-120°	646.0	4.4
120°-130°	937.4	6.3
130°-140°	1008.2	6.8
140°-150°	949.3	6.4
150°-160°	773.3	5.2
160°-170°	503.3	3.4
170°-180°	174.0	1.2
0°-30°	3017.4	20.4
0°-40°	4761.1	32.1
0°-60°	7868.8	53.1
0°-90°	9598.2	64.7
90°-120°	881.3	5.9
90°-150°	3776.2	25.5
90°-180°	5227.0	35.3
0°-180°	14825.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4116	4116	4116	4116	4116	
5°	4066	4121	4072	4072	4100	386
15°	3858	3892	3832	3795	3801	1087
25°	3467	3470	3369	3293	3274	1596
35°	2947	2913	2777	2669	2644	1841
45°	2361	2311	2172	2057	2026	1824
55°	1765	1700	1576	1478	1450	1578
65°	1157	1114	1021	948	930	1147
75°	599	562	520	479	466	641
85°	139	129	126	110	104	165
90°	0	0	0	1	1	8
95°	73	21	22	15	13	92
105°	382	396	40	46	49	402
115°	722	738	745	754	432	710
125°	1026	1044	1044	1062	1076	917
135°	1291	1306	1304	1313	1329	996
145°	1511	1523	1512	1514	1534	944
155°	1678	1688	1670	1667	1690	774
165°	1789	1794	1776	1768	1787	505
175°	1842	1846	1822	1811	1820	175
180°	1833	1833	1833	1833	1833	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4116.0	4116.0	4116.0	4116.0	4116.0
2.5°	4088.3	4137.6	4100.9	4106.1	4113.5
5°	4065.6	4121.1	4071.9	4072.5	4100.3
7.5°	4036.6	4089.0	4027.2	4015.8	4041.7
10°	3996.3	4048.7	3986.8	3965.2	3983.7
12.5°	3943.3	3993.2	3933.9	3899.6	3915.6
15°	3857.6	3891.5	3832.4	3794.7	3800.9
17.5°	3764.3	3785.3	3700.0	3668.4	3662.2
20°	3693.7	3712.2	3611.8	3567.5	3561.3
22.5°	3602.9	3619.0	3513.4	3459.0	3450.4
25°	3466.8	3469.9	3369.1	3293.0	3274.5
27.5°	3324.3	3314.5	3202.7	3112.6	3088.6
30°	3221.0	3208.6	3079.1	2984.1	2962.5
32.5°	3110.0	3087.8	2958.1	2855.5	2833.9
35°	2946.8	2912.9	2776.6	2668.9	2644.2
37.5°	2772.8	2734.6	2600.7	2483.5	2455.8
40°	2656.8	2613.7	2477.2	2359.9	2332.2
42.5°	2540.8	2492.8	2353.6	2236.3	2206.1
45°	2360.6	2311.3	2171.5	2057.3	2026.5
47.5°	2189.1	2126.3	1990.6	1877.0	1846.2
50°	2070.6	2002.8	1872.1	1761.1	1730.2
52.5°	1949.6	1879.3	1753.6	1647.6	1616.8
55°	1764.9	1700.2	1575.8	1477.5	1449.8
57.5°	1582.1	1519.9	1406.3	1312.4	1285.2
60°	1456.1	1403.7	1295.3	1206.5	1181.9
62.5°	1335.0	1287.6	1184.4	1103.1	1078.5
65°	1156.6	1113.5	1021.1	948.2	929.7
67.5°	983.3	940.2	865.4	800.0	779.1
70°	869.9	826.7	759.5	699.2	680.8
72.5°	761.4	715.8	661.2	606.1	592.5
75°	598.8	561.8	520.0	478.8	466.4
77.5°	455.1	419.3	388.9	359.8	356.8
80°	359.3	328.5	305.7	286.7	283.6
82.5°	268.5	245.1	230.1	216.2	215.6
85°	138.7	129.4	126.1	110.2	104.0
87.5°	40.3	40.3	35.3	30.5	30.5
90°	0.0	0.0	0.0	1.3	1.3
92.5°	20.1	7.7	5.3	7.7	7.7
95°	72.9	21.1	22.5	14.6	13.3
97.5°	151.4	33.9	32.6	35.8	37.1
100°	210.7	69.5	35.8	41.1	42.4
102.5°	276.5	261.7	36.8	44.3	46.7
105°	381.7	396.0	39.8	46.4	49.0
107.5°	485.1	499.4	185.0	48.0	50.6
110°	554.0	568.3	585.8	49.1	51.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	618.7	636.1	649.5	109.3	53.8
115°	722.4	737.9	744.9	753.5	432.1
117.5°	813.8	833.0	840.9	855.8	870.3
120°	877.4	895.6	901.3	916.2	931.8
122.5°	940.0	956.1	959.6	976.6	991.2
125°	1025.9	1044.0	1044.4	1062.0	1076.3
127.5°	1111.8	1127.3	1126.6	1139.7	1155.5
130°	1169.0	1179.4	1179.6	1190.6	1207.5
132.5°	1216.8	1231.3	1231.6	1240.5	1257.3
135°	1291.0	1306.5	1304.2	1312.6	1329.4
137.5°	1360.7	1375.7	1371.6	1378.6	1396.0
140°	1406.3	1419.3	1412.9	1420.0	1439.4
142.5°	1448.7	1461.7	1452.2	1458.2	1478.7
145°	1511.0	1522.7	1512.3	1514.1	1533.5
147.5°	1566.4	1577.8	1565.3	1567.1	1585.2
150°	1602.5	1612.8	1597.2	1598.9	1617.0
152.5°	1634.3	1643.6	1626.8	1626.5	1647.8
155°	1678.0	1688.4	1670.1	1666.6	1689.9
157.5°	1717.8	1727.4	1709.0	1706.5	1724.7
160°	1744.3	1750.8	1732.4	1728.8	1746.9
162.5°	1762.3	1769.8	1751.4	1745.8	1763.9
165°	1789.3	1794.5	1776.1	1768.5	1786.7
167.5°	1812.7	1818.6	1794.9	1788.2	1807.6
170°	1826.5	1830.3	1806.6	1797.7	1817.2
172.5°	1834.9	1837.8	1814.0	1804.0	1817.2
175°	1842.4	1846.3	1822.5	1810.8	1819.8
177.5°	1843.7	1845.8	1827.8	1817.5	1833.1
180°	1833.1	1833.1	1833.1	1833.1	1833.1



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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	20.70	21.70	21.52	22.54	23.58	19.60	20.60	20.42	21.44	22.48
	3H	22.36	23.25	23.19	24.10	25.17	21.14	22.03	21.97	22.88	23.96
	4H	22.99	23.83	23.84	24.69	25.78	21.72	22.56	22.57	23.42	24.50
	6H	23.40	24.18	24.26	25.04	26.14	22.10	22.87	22.96	23.74	24.84
	8H	23.55	24.29	24.42	25.18	26.27	22.24	22.98	23.11	23.87	24.96
	12H	23.63	24.34	24.51	25.21	26.34	22.31	23.01	23.19	23.89	25.01
4H	2H	21.13	21.97	21.98	22.83	23.91	20.25	21.09	21.11	21.95	23.04
	3H	23.01	23.71	23.87	24.60	25.70	22.00	22.70	22.87	23.59	24.69
	4H	23.76	24.40	24.64	25.29	26.41	22.68	23.32	23.56	24.21	25.33
	6H	24.29	24.84	25.18	25.75	26.88	23.16	23.71	24.05	24.63	25.75
	8H	24.49	25.01	25.39	25.92	27.06	23.35	23.87	24.25	24.78	25.92
	12H	24.61	25.07	25.52	26.00	27.14	23.45	23.91	24.36	24.84	25.99
8H	4H	23.93	24.44	24.82	25.35	26.49	22.96	23.48	23.86	24.38	25.53
	6H	24.57	25.00	25.50	25.95	27.09	23.57	24.00	24.50	24.95	26.09
	8H	24.86	25.24	25.80	26.18	27.34	23.85	24.23	24.78	25.17	26.32
	12H	25.04	25.38	25.98	26.31	27.52	24.00	24.34	24.94	25.27	26.48
12H	4H	23.91	24.38	24.83	25.30	26.45	22.97	23.44	23.89	24.36	25.51
	6H	24.60	24.98	25.54	25.92	27.08	23.63	24.01	24.57	24.95	26.11
	8H	24.93	25.26	25.86	26.19	27.40	23.95	24.28	24.88	25.21	26.42