

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: P1439560

Luminaire Tested: CB3-D-055U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439560
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-055U-120D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

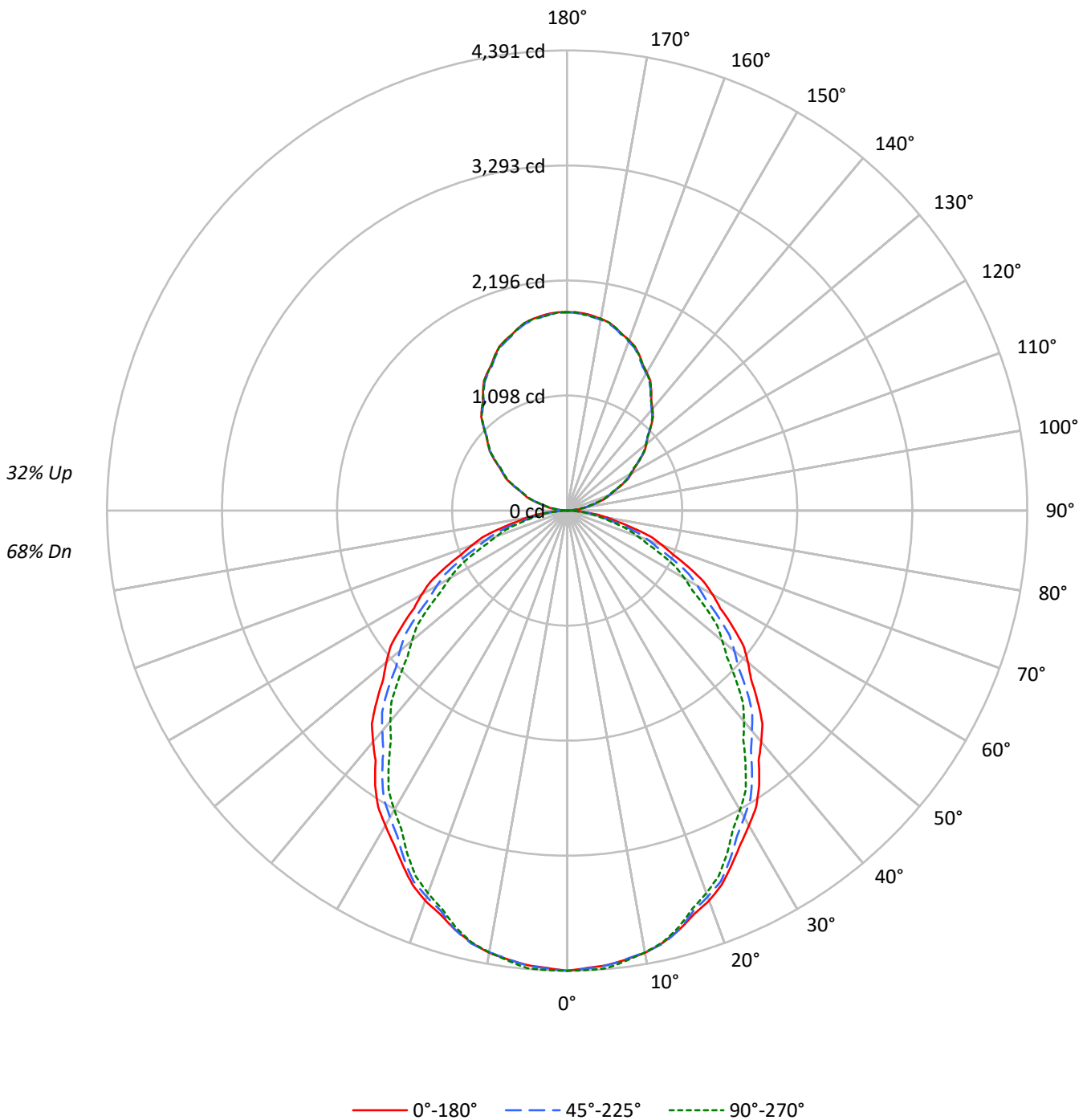
Lumens per Lamp: N/A
Luminaire Lumens: 15389.0 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 113.3
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	0
RCR																		
0	111	111	111	111	105	105	105	105	93	93	93	83	83	83	73	73	73	68
1	102	98	94	90	96	92	89	86	82	80	77	73	71	70	65	63	62	58
2	93	86	79	74	88	81	76	71	73	68	65	65	61	59	57	55	53	49
3	85	76	68	62	80	72	65	60	64	59	55	57	53	50	51	48	45	42
4	78	67	59	53	73	64	56	51	57	51	47	51	47	43	46	42	39	36
5	72	60	52	46	68	57	50	44	51	45	41	46	41	37	41	37	34	31
6	66	54	46	40	63	51	44	38	47	40	36	42	37	33	38	34	30	28
7	62	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27	25
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	32	27	24	22
9	53	41	33	28	50	39	32	27	36	30	25	32	27	24	29	25	22	20
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24842	24842	24842
5°	24725	24742	24892
10°	24617	24581	24581
15°	24240	24240	24094
20°	23847	23603	23387
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20499
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18330	17013
55°	19004	17313	15898
60°	18132	16262	14640
65°	17112	15066	13314
70°	15935	13666	11861
75°	14448	11994	10564
80°	12595	10057	9344
85°	9717	8497	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.3	2.7
10°-20°	1164.0	7.6
20°-30°	1690.8	11.0
30°-40°	1922.1	12.5
40°-50°	1865.9	12.1
50°-60°	1575.4	10.2
60°-70°	1120.8	7.3
70°-80°	598.9	3.9
80°-90°	158.2	1.0
90°-100°	80.0	0.5
100°-110°	312.9	2.0
110°-120°	557.8	3.6
120°-130°	754.8	4.9
130°-140°	867.8	5.6
140°-150°	870.8	5.7
150°-160°	748.9	4.9
160°-170°	506.9	3.3
170°-180°	178.8	1.2
0°-30°	3269.1	21.2
0°-40°	5191.2	33.7
0°-60°	8632.5	56.1
0°-90°	10510.4	68.3
90°-120°	950.7	6.2
90°-150°	3444.1	22.4
90°-180°	4879.0	31.7
0°-180°	15389.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4391	4391	4391	4391	4391	
5°	4354	4409	4357	4351	4383	413
15°	4139	4175	4139	4114	4114	1166
25°	3723	3735	3676	3626	3610	1715
35°	3196	3165	3077	2986	2968	1991
45°	2569	2529	2422	2306	2273	1982
55°	1927	1875	1755	1642	1612	1723
65°	1278	1232	1126	1025	995	1266
75°	661	624	549	492	483	705
85°	150	138	131	131	131	177
90°	0	0	0	0	0	9
95°	77	70	62	58	60	88
105°	303	302	292	287	284	324
115°	569	572	559	557	556	564
125°	848	858	840	838	839	758
135°	1129	1141	1122	1114	1125	871
145°	1399	1410	1388	1381	1393	874
155°	1633	1647	1620	1613	1630	751
165°	1803	1818	1794	1784	1803	508
175°	1888	1905	1880	1868	1875	179
180°	1893	1893	1893	1893	1893	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4391.2	4391.2	4391.2	4391.2	4391.2
2.5°	4368.8	4412.7	4373.8	4379.0	4388.7
5°	4353.8	4408.7	4356.9	4351.4	4383.3
7.5°	4320.2	4370.1	4316.4	4303.9	4331.4
10°	4285.2	4340.1	4279.0	4263.8	4279.0
12.5°	4222.9	4280.2	4231.6	4206.3	4219.1
15°	4138.7	4175.3	4138.7	4113.8	4113.8
17.5°	4035.8	4074.2	4005.3	3987.6	3980.7
20°	3961.0	3994.5	3920.5	3895.3	3884.7
22.5°	3861.2	3892.3	3830.7	3786.8	3775.0
25°	3722.6	3734.8	3675.8	3625.6	3610.4
27.5°	3584.8	3587.8	3506.8	3445.9	3425.8
30°	3470.1	3473.1	3379.6	3313.8	3298.6
32.5°	3355.3	3346.2	3257.4	3179.2	3168.9
35°	3195.7	3165.2	3077.2	2986.4	2968.1
37.5°	3003.0	2984.7	2880.8	2789.8	2762.3
40°	2880.8	2850.3	2743.6	2652.6	2625.1
42.5°	2758.6	2723.2	2613.9	2512.8	2483.0
45°	2569.0	2529.4	2422.5	2306.4	2272.8
47.5°	2378.2	2334.9	2217.3	2104.9	2067.7
50°	2251.0	2205.3	2082.7	1972.6	1933.0
52.5°	2121.3	2073.1	1950.5	1838.1	1805.8
55°	1926.8	1874.9	1755.3	1642.4	1611.9
57.5°	1732.2	1681.0	1562.0	1455.2	1418.6
60°	1602.5	1553.7	1437.3	1330.4	1293.9
62.5°	1470.3	1424.0	1310.1	1205.8	1171.6
65°	1278.3	1232.5	1125.5	1025.0	994.6
67.5°	1088.1	1049.1	943.4	851.2	826.8
70°	963.4	926.8	826.2	741.5	717.1
72.5°	843.7	804.6	709.0	636.9	619.8
75°	661.0	624.4	548.7	492.4	483.3
77.5°	493.9	464.0	398.4	366.5	361.7
80°	386.6	359.2	308.7	286.8	286.8
82.5°	286.8	264.3	231.3	222.0	222.0
85°	149.7	137.5	130.9	130.9	130.9
87.5°	44.9	44.9	42.4	39.9	39.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	20.9	18.6	11.6	9.3	9.3
95°	76.9	69.8	62.4	58.1	59.5
97.5°	142.0	135.1	126.0	121.7	122.8
100°	187.2	181.6	171.3	166.9	166.9
102.5°	231.4	228.0	217.7	213.4	214.5
105°	303.3	301.9	291.7	287.3	284.5
107.5°	382.9	380.3	369.0	368.6	366.1
110°	434.0	432.6	422.4	420.9	419.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	486.2	488.2	476.9	475.5	474.0
115°	569.0	571.8	558.8	557.3	555.9
117.5°	653.7	657.7	643.9	642.3	639.8
120°	708.3	716.8	699.6	698.1	696.7
122.5°	764.0	771.4	755.3	752.7	752.4
125°	847.6	857.6	840.4	837.5	838.9
127.5°	931.2	941.5	925.4	919.7	922.8
130°	987.0	998.3	981.2	975.5	979.7
132.5°	1043.9	1055.2	1038.1	1032.4	1038.9
135°	1129.2	1140.6	1122.0	1113.5	1124.9
137.5°	1212.5	1222.5	1202.1	1196.3	1208.2
140°	1267.1	1277.0	1255.5	1248.6	1262.7
142.5°	1320.5	1331.6	1307.7	1300.8	1316.2
145°	1399.2	1410.5	1387.6	1380.6	1393.4
147.5°	1474.7	1486.3	1463.0	1454.9	1468.0
150°	1521.1	1533.9	1509.5	1502.6	1516.7
152.5°	1566.4	1580.3	1554.8	1546.8	1564.4
155°	1632.9	1647.1	1619.8	1612.9	1630.0
157.5°	1692.7	1705.7	1681.1	1674.1	1688.9
160°	1728.7	1742.9	1717.0	1710.2	1727.2
162.5°	1760.0	1774.2	1750.7	1741.5	1758.6
165°	1802.7	1818.3	1794.0	1784.2	1802.7
167.5°	1838.4	1855.1	1829.4	1820.5	1839.0
170°	1859.3	1874.9	1849.1	1837.9	1856.4
172.5°	1873.2	1888.8	1863.1	1851.7	1864.5
175°	1888.3	1905.3	1879.6	1868.2	1875.3
177.5°	1895.0	1908.6	1888.0	1877.9	1893.8
180°	1892.7	1892.7	1892.7	1892.7	1892.7



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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	19.85	20.89	20.64	21.70	22.68	18.78	19.81	19.56	20.62	21.60
	3H	21.53	22.46	22.33	23.28	24.29	20.20	21.13	21.00	21.95	22.96
	4H	22.17	23.05	22.99	23.87	24.90	20.73	21.61	21.54	22.43	23.45
	6H	22.57	23.38	23.39	24.21	25.25	21.05	21.86	21.88	22.70	23.73
	8H	22.71	23.48	23.55	24.33	25.37	21.18	21.95	22.02	22.80	23.84
	12H	22.78	23.52	23.62	24.36	25.42	21.26	22.00	22.11	22.84	23.91
4H	2H	20.28	21.16	21.10	21.98	23.01	19.42	20.30	20.24	21.13	22.15
	3H	22.19	22.92	23.02	23.78	24.82	21.06	21.79	21.89	22.65	23.69
	4H	22.94	23.61	23.79	24.46	25.53	21.67	22.34	22.52	23.19	24.26
	6H	23.46	24.03	24.32	24.91	25.98	22.09	22.67	22.96	23.55	24.62
	8H	23.65	24.19	24.52	25.06	26.15	22.27	22.81	23.13	23.68	24.77
	12H	23.76	24.24	24.64	25.13	26.23	22.38	22.87	23.27	23.76	24.85
8H	4H	23.09	23.62	23.95	24.50	25.58	21.95	22.49	22.81	23.36	24.44
	6H	23.71	24.16	24.61	25.07	26.16	22.48	22.93	23.38	23.84	24.93
	8H	23.99	24.38	24.89	25.29	26.40	22.74	23.13	23.64	24.04	25.14
	12H	24.16	24.51	25.07	25.41	26.57	22.92	23.27	23.83	24.17	25.33
12H	4H	23.07	23.55	23.95	24.45	25.54	21.96	22.44	22.84	23.34	24.43
	6H	23.73	24.13	24.63	25.04	26.14	22.54	22.94	23.44	23.85	24.95
	8H	24.04	24.39	24.94	25.29	26.44	22.83	23.18	23.74	24.08	25.24