

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: P1439556

Luminaire Tested: CB3-D-055U-120D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439556
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-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

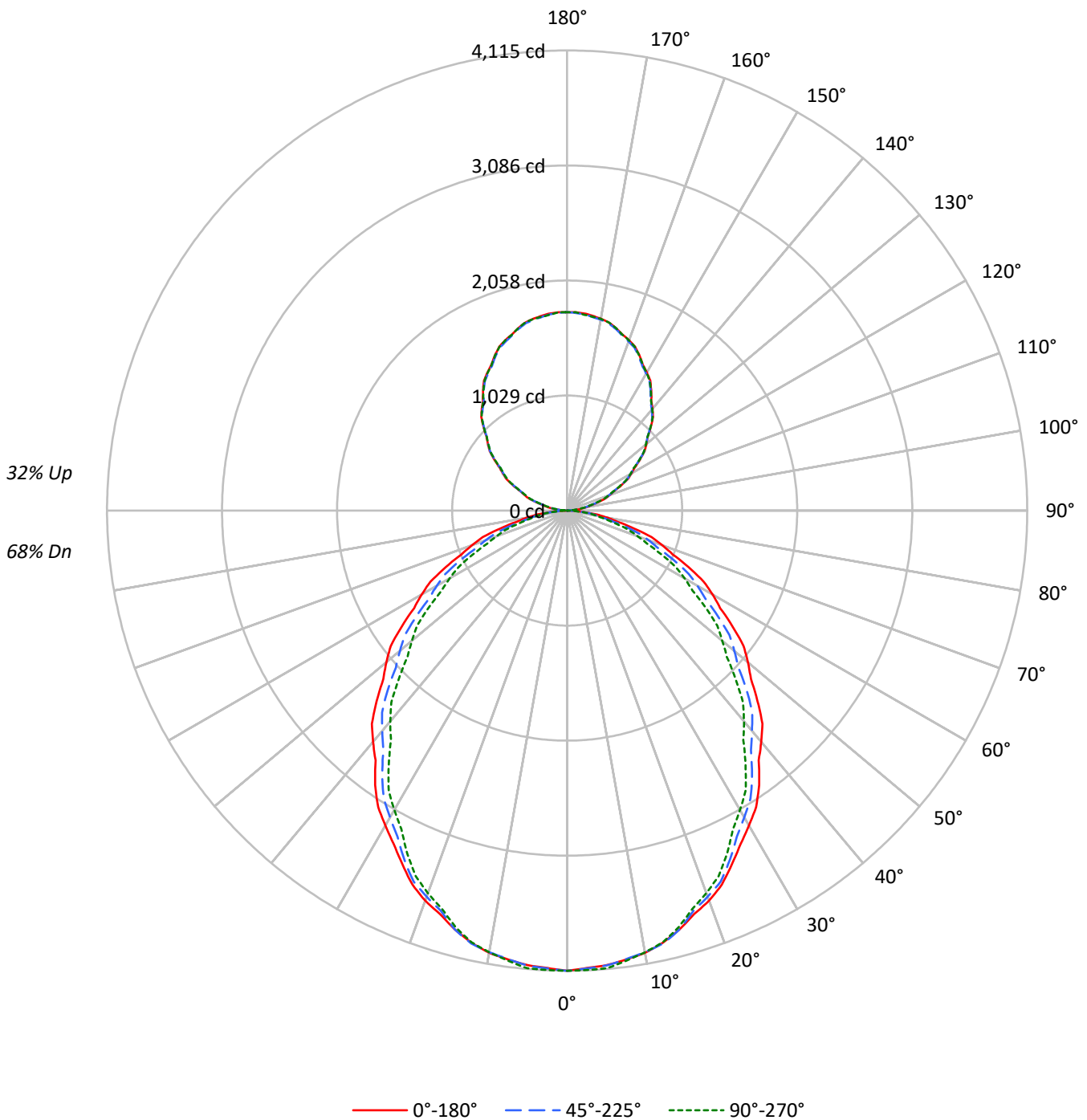
Lumens per Lamp: N/A
Luminaire Lumens: 14422.2 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

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°	23282	23282	23282
5°	23172	23188	23329
10°	23070	23037	23037
15°	22717	22717	22580
20°	22348	22120	21918
25°	21777	21503	21120
30°	21244	20690	20194
35°	20684	19917	19210
40°	19938	18989	18169
45°	19262	18164	17041
50°	18567	17178	15944
55°	17810	16225	14899
60°	16992	15241	13720
65°	16037	14120	12477
70°	14935	12808	11115
75°	13539	11242	9900
80°	11803	9425	8757
85°	9107	7964	7964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19262 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.3	2.7
10°-20°	1090.9	7.6
20°-30°	1584.5	11.0
30°-40°	1801.4	12.5
40°-50°	1748.7	12.1
50°-60°	1476.4	10.2
60°-70°	1050.4	7.3
70°-80°	561.2	3.9
80°-90°	148.3	1.0
90°-100°	75.0	0.5
100°-110°	293.3	2.0
110°-120°	522.7	3.6
120°-130°	707.4	4.9
130°-140°	813.3	5.6
140°-150°	816.1	5.7
150°-160°	701.8	4.9
160°-170°	475.1	3.3
170°-180°	167.6	1.2
0°-30°	3063.7	21.2
0°-40°	4865.1	33.7
0°-60°	8090.2	56.1
0°-90°	9850.1	68.3
90°-120°	891.0	6.2
90°-150°	3227.7	22.4
90°-180°	4572.0	31.7
0°-180°	14422.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4115	4115	4115	4115	4115	
5°	4080	4132	4083	4078	4108	387
15°	3879	3913	3879	3855	3855	1093
25°	3489	3500	3445	3398	3384	1608
35°	2995	2966	2884	2799	2782	1866
45°	2408	2370	2270	2162	2130	1857
55°	1806	1757	1645	1539	1511	1614
65°	1198	1155	1055	961	932	1187
75°	619	585	514	462	453	660
85°	140	129	123	123	123	166
90°	0	0	0	0	0	8
95°	72	65	58	54	56	82
105°	284	283	273	269	267	303
115°	533	536	524	522	521	529
125°	794	804	788	785	786	710
135°	1058	1069	1052	1044	1054	816
145°	1311	1322	1300	1294	1306	819
155°	1530	1544	1518	1512	1528	704
165°	1689	1704	1681	1672	1689	476
175°	1770	1786	1762	1751	1757	168
180°	1774	1774	1774	1774	1774	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4115.4	4115.4	4115.4	4115.4	4115.4
2.5°	4094.3	4135.5	4099.0	4103.9	4113.0
5°	4080.3	4131.7	4083.2	4078.1	4108.0
7.5°	4048.7	4095.6	4045.2	4033.5	4059.3
10°	4016.0	4067.4	4010.2	3995.9	4010.2
12.5°	3957.6	4011.3	3965.8	3942.1	3954.1
15°	3878.7	3913.0	3878.7	3855.3	3855.3
17.5°	3782.3	3818.3	3753.6	3737.1	3730.6
20°	3712.1	3743.6	3674.2	3650.6	3640.7
22.5°	3618.6	3647.8	3590.0	3548.9	3537.8
25°	3488.7	3500.1	3444.9	3397.8	3383.5
27.5°	3359.6	3362.4	3286.5	3229.4	3210.6
30°	3252.0	3254.9	3167.3	3105.6	3091.3
32.5°	3144.5	3136.0	3052.8	2979.5	2969.8
35°	2994.9	2966.4	2883.9	2798.8	2781.6
37.5°	2814.4	2797.2	2699.8	2614.5	2588.8
40°	2699.8	2671.2	2571.3	2485.9	2460.2
42.5°	2585.3	2552.1	2449.7	2355.0	2327.0
45°	2407.6	2370.5	2270.3	2161.5	2130.0
47.5°	2228.8	2188.2	2078.0	1972.6	1937.8
50°	2109.6	2066.7	1951.8	1848.7	1811.6
52.5°	1988.0	1942.9	1827.9	1722.6	1692.4
55°	1805.7	1757.2	1645.0	1539.2	1510.6
57.5°	1623.4	1575.4	1463.9	1363.7	1329.5
60°	1501.8	1456.1	1347.0	1246.9	1212.6
62.5°	1378.0	1334.5	1227.8	1130.0	1098.0
65°	1198.0	1155.1	1054.8	960.6	932.1
67.5°	1019.7	983.2	884.2	797.7	774.9
70°	902.9	868.6	774.3	694.9	672.0
72.5°	790.7	754.1	664.4	596.9	580.9
75°	619.4	585.2	514.3	461.5	452.9
77.5°	462.8	434.8	373.4	343.5	338.9
80°	362.3	336.6	289.3	268.8	268.8
82.5°	268.8	247.7	216.8	208.0	208.0
85°	140.3	128.8	122.7	122.7	122.7
87.5°	42.1	42.1	39.7	37.4	37.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	19.6	17.5	10.9	8.7	8.7
95°	72.1	65.4	58.5	54.4	55.8
97.5°	133.0	126.6	118.1	114.0	115.1
100°	175.5	170.2	160.5	156.4	156.4
102.5°	216.8	213.6	204.0	200.0	201.0
105°	284.3	283.0	273.4	269.3	266.6
107.5°	358.8	356.4	345.8	345.4	343.1
110°	406.7	405.4	395.8	394.4	393.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	455.7	457.5	447.0	445.6	444.3
115°	533.2	535.9	523.7	522.3	521.0
117.5°	612.7	616.4	603.4	602.0	599.6
120°	663.8	671.8	655.6	654.2	652.9
122.5°	716.0	723.0	707.9	705.4	705.2
125°	794.4	803.7	787.6	784.9	786.2
127.5°	872.7	882.3	867.3	861.9	864.8
130°	925.0	935.6	919.5	914.2	918.2
132.5°	978.3	988.9	972.8	967.5	973.7
135°	1058.3	1068.9	1051.5	1043.6	1054.2
137.5°	1136.4	1145.7	1126.6	1121.1	1132.3
140°	1187.5	1196.8	1176.6	1170.1	1183.4
142.5°	1237.6	1247.9	1225.6	1219.1	1233.5
145°	1311.3	1321.9	1300.4	1293.9	1305.8
147.5°	1382.0	1392.9	1371.1	1363.5	1375.8
150°	1425.5	1437.5	1414.7	1408.2	1421.5
152.5°	1468.0	1481.0	1457.1	1449.6	1466.1
155°	1530.3	1543.6	1518.0	1511.6	1527.6
157.5°	1586.3	1598.6	1575.4	1569.0	1582.8
160°	1620.1	1633.4	1609.2	1602.7	1618.7
162.5°	1649.4	1662.7	1640.7	1632.1	1648.1
165°	1689.4	1704.1	1681.3	1672.1	1689.4
167.5°	1722.9	1738.6	1714.5	1706.1	1723.4
170°	1742.5	1757.1	1733.0	1722.5	1739.8
172.5°	1755.5	1770.2	1746.0	1735.4	1747.4
175°	1769.7	1785.6	1761.5	1750.8	1757.4
177.5°	1775.9	1788.7	1769.4	1760.0	1774.9
180°	1773.8	1773.8	1773.8	1773.8	1773.8



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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	19.63	20.66	20.41	21.47	22.46	18.55	19.59	19.33	20.39	21.38
	3H	21.31	22.24	22.11	23.05	24.07	19.98	20.91	20.77	21.72	22.74
	4H	21.95	22.82	22.76	23.65	24.67	20.50	21.38	21.32	22.20	23.23
	6H	22.34	23.15	23.17	23.98	25.02	20.83	21.64	21.66	22.47	23.51
	8H	22.48	23.25	23.32	24.10	25.14	20.96	21.73	21.79	22.58	23.62
	12H	22.56	23.29	23.40	24.13	25.20	21.04	21.77	21.88	22.62	23.68
4H	2H	20.06	20.94	20.88	21.76	22.78	19.20	20.08	20.02	20.90	21.92
	3H	21.96	22.69	22.79	23.55	24.59	20.83	21.56	21.66	22.42	23.46
	4H	22.72	23.38	23.56	24.24	25.31	21.45	22.11	22.29	22.97	24.04
	6H	23.23	23.81	24.09	24.68	25.76	21.87	22.44	22.73	23.32	24.40
	8H	23.43	23.96	24.29	24.84	25.92	22.04	22.58	22.91	23.45	24.54
	12H	23.53	24.02	24.42	24.91	26.00	22.16	22.64	23.04	23.53	24.63
8H	4H	22.86	23.40	23.73	24.27	25.36	21.72	22.26	22.59	23.13	24.22
	6H	23.49	23.93	24.38	24.85	25.93	22.26	22.70	23.15	23.62	24.70
	8H	23.76	24.16	24.67	25.07	26.17	22.51	22.91	23.41	23.82	24.92
	12H	23.94	24.28	24.84	25.19	26.34	22.70	23.04	23.60	23.94	25.10
12H	4H	22.84	23.33	23.73	24.22	25.31	21.73	22.22	22.62	23.11	24.20
	6H	23.51	23.90	24.41	24.81	25.91	22.32	22.71	23.22	23.62	24.72
	8H	23.81	24.16	24.72	25.06	26.22	22.61	22.95	23.51	23.86	25.01