

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: P1439558

Luminaire Tested: CB3-D-055U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439558  
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-935-1D-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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

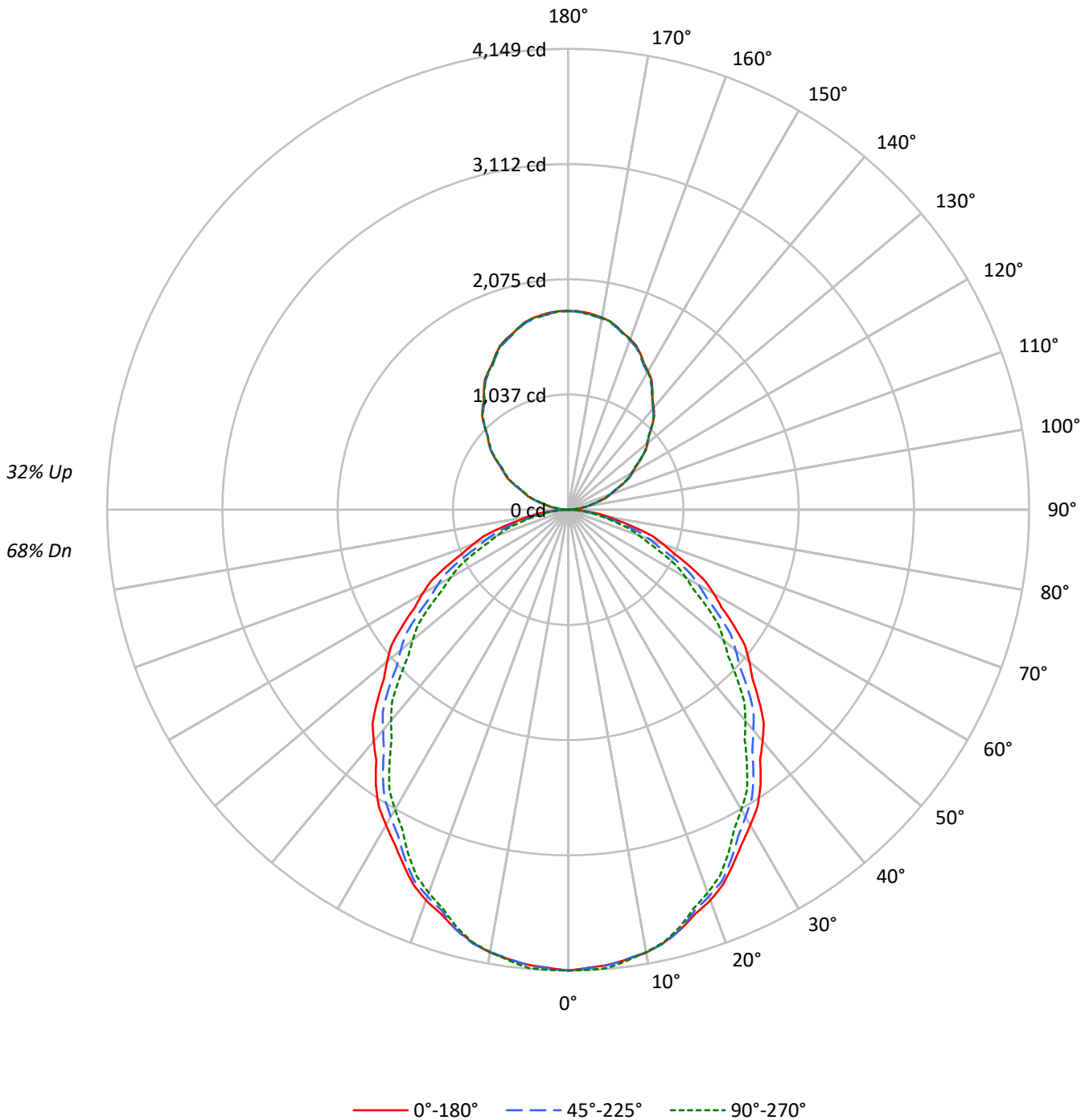
Lumens per Lamp: N/A  
Luminaire Lumens: 14540.9 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 113.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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°	23473	23473	23473
5°	23362	23379	23521
10°	23260	23226	23226
15°	22904	22904	22766
20°	22532	22302	22098
25°	21956	21680	21294
30°	21419	20861	20360
35°	20854	20081	19369
40°	20102	19145	18319
45°	19421	18313	17182
50°	18719	17320	16075
55°	17957	16358	15022
60°	17133	15366	13833
65°	16168	14236	12579
70°	15057	12913	11208
75°	13650	11333	9980
80°	11901	9500	8829
85°	9178	8029	8029

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19421 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	391.5	2.7
10°-20°	1099.9	7.6
20°-30°	1597.6	11.0
30°-40°	1816.2	12.5
40°-50°	1763.1	12.1
50°-60°	1488.5	10.2
60°-70°	1059.1	7.3
70°-80°	565.9	3.9
80°-90°	149.5	1.0
90°-100°	75.6	0.5
100°-110°	295.7	2.0
110°-120°	527.0	3.6
120°-130°	713.2	4.9
130°-140°	820.0	5.6
140°-150°	822.8	5.7
150°-160°	707.6	4.9
160°-170°	479.0	3.3
170°-180°	168.9	1.2
0°-30°	3088.9	21.2
0°-40°	4905.1	33.7
0°-60°	8156.7	56.1
0°-90°	9931.2	68.3
90°-120°	898.3	6.2
90°-150°	3254.3	22.4
90°-180°	4610.0	31.7
0°-180°	14540.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4149	4149	4149	4149	4149	
5°	4114	4166	4117	4112	4142	390
15°	3911	3945	3911	3887	3887	1102
25°	3517	3529	3473	3426	3411	1621
35°	3020	2991	2908	2822	2804	1882
45°	2427	2390	2289	2179	2148	1872
55°	1821	1772	1658	1552	1523	1628
65°	1208	1165	1064	969	940	1196
75°	624	590	518	465	457	666
85°	141	130	124	124	124	168
90°	0	0	0	0	0	9
95°	73	66	59	55	56	83
105°	287	285	276	272	269	306
115°	538	540	528	527	525	533
125°	801	810	794	791	793	716
135°	1067	1078	1060	1052	1063	823
145°	1322	1333	1311	1304	1317	826
155°	1543	1556	1530	1524	1540	710
165°	1703	1718	1695	1686	1703	480
175°	1784	1800	1776	1765	1772	169
180°	1788	1788	1788	1788	1788	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4149.2	4149.2	4149.2	4149.2	4149.2
2.5°	4128.0	4169.5	4132.7	4137.6	4146.9
5°	4113.9	4165.7	4116.8	4111.6	4141.8
7.5°	4082.0	4129.3	4078.5	4066.7	4092.7
10°	4049.1	4100.9	4043.2	4028.8	4043.2
12.5°	3990.1	4044.3	3998.4	3974.5	3986.6
15°	3910.6	3945.2	3910.6	3887.0	3887.0
17.5°	3813.4	3849.7	3784.5	3767.9	3761.3
20°	3742.7	3774.4	3704.4	3680.6	3670.6
22.5°	3648.4	3677.8	3619.5	3578.1	3566.9
25°	3517.4	3528.9	3473.2	3425.8	3411.4
27.5°	3387.2	3390.1	3313.6	3256.0	3237.0
30°	3278.8	3281.7	3193.4	3131.2	3116.8
32.5°	3170.4	3161.7	3077.9	3004.0	2994.2
35°	3019.6	2990.8	2907.6	2821.8	2804.5
37.5°	2837.5	2820.2	2722.0	2636.0	2610.1
40°	2722.0	2693.2	2592.4	2506.4	2480.5
42.5°	2606.5	2573.1	2469.9	2374.4	2346.1
45°	2427.4	2390.0	2289.0	2179.3	2147.6
47.5°	2247.1	2206.2	2095.1	1988.9	1953.7
50°	2126.9	2083.7	1967.9	1863.9	1826.5
52.5°	2004.4	1958.9	1843.0	1736.8	1706.3
55°	1820.6	1771.6	1658.5	1551.8	1523.0
57.5°	1636.7	1588.4	1475.9	1375.0	1340.4
60°	1514.2	1468.1	1358.1	1257.1	1222.6
62.5°	1389.3	1345.5	1237.9	1139.3	1107.1
65°	1207.8	1164.6	1063.5	968.6	939.7
67.5°	1028.1	991.3	891.4	804.3	781.3
70°	910.3	875.7	780.7	700.6	677.6
72.5°	797.2	760.3	669.9	601.8	585.6
75°	624.5	590.0	518.5	465.3	456.6
77.5°	466.6	438.4	376.5	346.3	341.7
80°	365.3	339.4	291.6	271.0	271.0
82.5°	271.0	249.7	218.6	209.7	209.7
85°	141.4	129.9	123.7	123.7	123.7
87.5°	42.4	42.4	40.1	37.7	37.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	19.7	17.6	11.0	8.8	8.8
95°	72.7	66.0	59.0	54.9	56.2
97.5°	134.1	127.7	119.0	115.0	116.0
100°	176.9	171.6	161.8	157.7	157.7
102.5°	218.6	215.4	205.7	201.6	202.7
105°	286.6	285.3	275.7	271.5	268.8
107.5°	361.8	359.4	348.6	348.3	345.9
110°	410.1	408.7	399.1	397.7	396.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	459.4	461.3	450.7	449.3	447.9
115°	537.6	540.3	528.0	526.6	525.3
117.5°	617.7	621.5	608.4	606.9	604.5
120°	669.3	677.3	661.0	659.6	658.3
122.5°	721.9	728.9	713.7	711.2	711.0
125°	800.9	810.3	794.1	791.4	792.7
127.5°	879.9	889.6	874.4	869.0	872.0
130°	932.6	943.3	927.1	921.7	925.7
132.5°	986.3	997.1	980.9	975.5	981.7
135°	1067.0	1077.7	1060.1	1052.1	1062.9
137.5°	1145.7	1155.1	1135.8	1130.3	1141.6
140°	1197.3	1206.7	1186.3	1179.7	1193.2
142.5°	1247.7	1258.2	1235.7	1229.1	1243.6
145°	1322.1	1332.8	1311.1	1304.5	1316.6
147.5°	1393.4	1404.4	1382.4	1374.7	1387.1
150°	1437.3	1449.3	1426.3	1419.7	1433.2
152.5°	1480.1	1493.2	1469.1	1461.5	1478.1
155°	1542.9	1556.3	1530.5	1524.0	1540.1
157.5°	1599.4	1611.7	1588.4	1581.9	1595.8
160°	1633.4	1646.8	1622.4	1615.9	1632.0
162.5°	1663.0	1676.4	1654.2	1645.5	1661.6
165°	1703.3	1718.1	1695.1	1685.9	1703.3
167.5°	1737.1	1752.9	1728.6	1720.2	1737.6
170°	1756.8	1771.6	1747.2	1736.6	1754.1
172.5°	1770.0	1784.7	1760.4	1749.7	1761.8
175°	1784.2	1800.3	1776.0	1765.2	1771.9
177.5°	1790.6	1803.4	1784.0	1774.4	1789.5
180°	1788.4	1788.4	1788.4	1788.4	1788.4



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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	19.66	20.69	20.44	21.50	22.48	18.58	19.62	19.36	20.42	21.41
	3H	21.34	22.27	22.13	23.08	24.10	20.01	20.94	20.80	21.75	22.76
	4H	21.97	22.85	22.79	23.68	24.70	20.53	21.41	21.35	22.23	23.26
	6H	22.37	23.18	23.20	24.01	25.05	20.86	21.67	21.69	22.50	23.54
	8H	22.51	23.28	23.35	24.13	25.17	20.99	21.76	21.82	22.61	23.65
	12H	22.58	23.32	23.43	24.16	25.23	21.07	21.80	21.91	22.64	23.71
4H	2H	20.09	20.96	20.91	21.79	22.81	19.23	20.10	20.05	20.93	21.95
	3H	21.99	22.72	22.82	23.58	24.62	20.86	21.59	21.69	22.45	23.49
	4H	22.75	23.41	23.59	24.27	25.34	21.48	22.14	22.32	23.00	24.06
	6H	23.26	23.83	24.12	24.71	25.79	21.90	22.47	22.76	23.35	24.42
	8H	23.45	23.99	24.32	24.87	25.95	22.07	22.61	22.94	23.48	24.57
	12H	23.56	24.04	24.44	24.94	26.03	22.19	22.67	23.07	23.56	24.65
8H	4H	22.89	23.43	23.75	24.30	25.39	21.75	22.29	22.62	23.16	24.25
	6H	23.52	23.96	24.41	24.88	25.96	22.29	22.73	23.18	23.65	24.73
	8H	23.79	24.19	24.70	25.10	26.20	22.54	22.93	23.44	23.84	24.95
	12H	23.97	24.31	24.87	25.21	26.37	22.72	23.07	23.63	23.97	25.13
12H	4H	22.87	23.35	23.76	24.25	25.34	21.76	22.24	22.65	23.14	24.23
	6H	23.53	23.93	24.44	24.84	25.94	22.34	22.74	23.25	23.65	24.75
	8H	23.84	24.19	24.75	25.09	26.25	22.63	22.98	23.54	23.88	25.04