

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: P1439205

Luminaire Tested: CB3-055U-120D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439205  
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-120D-835-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

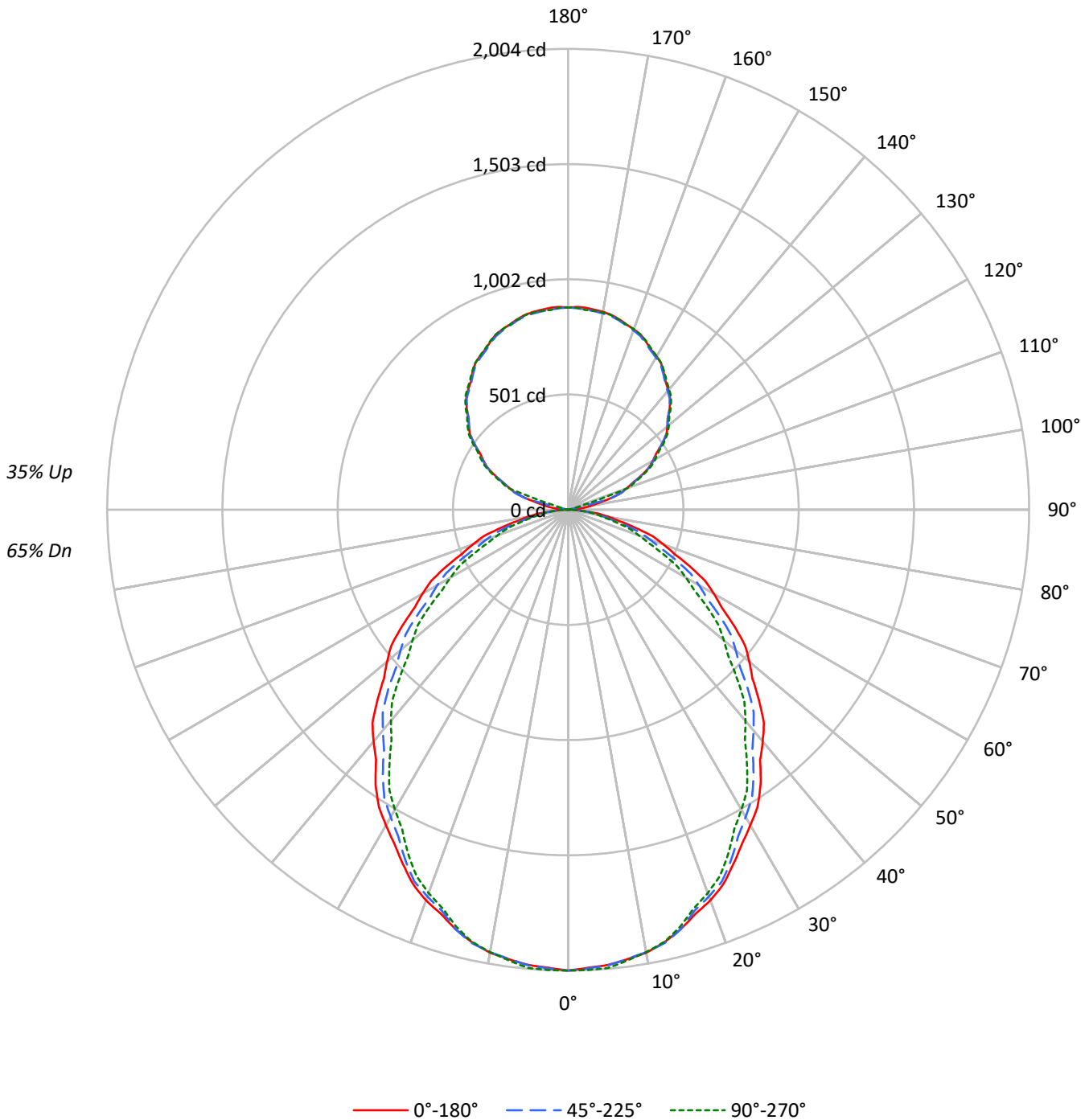
Lumens per Lamp: N/A  
Luminaire Lumens: 7394.1 lumens  
Efficiency: N/A  
Efficacy: 136.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 54.1  
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	104	104	104	104	92	92	92	80	80	80	70	70	70	65
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	61	59	55
2	93	85	79	74	87	80	75	70	71	67	63	63	59	57	55	53	50	47
3	85	75	68	62	79	71	64	59	63	58	53	56	52	48	49	46	43	40
4	78	67	59	52	73	63	56	50	56	50	46	50	45	42	44	40	37	34
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	30
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	26
7	61	49	40	35	57	46	39	33	41	35	31	37	32	28	33	29	26	23
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21
9	53	40	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	26	23	29	24	21	26	22	19	17

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	22679	22679	22679
5°	22571	22587	22717
10°	22473	22439	22439
15°	22128	22128	21995
20°	21768	21546	21357
25°	21219	20954	20580
30°	20700	20161	19677
35°	20154	19407	18719
40°	19429	18503	17703
45°	18769	17699	16606
50°	18092	16738	15536
55°	17355	15811	14519
60°	16558	14852	13369
65°	15627	13758	12157
70°	14553	12478	10831
75°	13194	10951	9648
80°	11500	9181	8536
85°	8867	7763	7763

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18769 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.1	2.6
10°-20°	531.3	7.2
20°-30°	771.9	10.4
30°-40°	877.6	11.9
40°-50°	852.0	11.5
50°-60°	719.3	9.7
60°-70°	511.8	6.9
70°-80°	273.4	3.7
80°-90°	72.3	1.0
90°-100°	20.3	0.3
100°-110°	147.1	2.0
110°-120°	349.7	4.7
120°-130°	446.7	6.0
130°-140°	481.9	6.5
140°-150°	454.3	6.1
150°-160°	370.6	5.0
160°-170°	241.4	3.3
170°-180°	83.5	1.1
0°-30°	1492.3	20.2
0°-40°	2370.0	32.1
0°-60°	3941.3	53.3
0°-90°	4798.8	64.9
90°-120°	517.0	7.0
90°-150°	1899.9	25.7
90°-180°	2595.0	35.1
0°-180°	7394.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2004	2004	2004	2004	2004	
5°	1987	2012	1989	1986	2000	189
15°	1889	1906	1889	1878	1878	532
25°	1700	1705	1678	1655	1648	783
35°	1459	1445	1405	1364	1355	909
45°	1173	1155	1106	1053	1038	905
55°	880	856	802	750	736	787
65°	584	563	514	468	454	578
75°	302	285	250	225	221	322
85°	68	63	60	60	60	81
90°	0	0	0	1	0	4
95°	37	7	9	9	9	46
105°	186	189	192	14	15	196
115°	349	352	353	358	360	345
125°	496	500	498	504	507	443
135°	624	627	622	626	630	480
145°	726	730	721	726	730	454
155°	804	810	799	801	806	371
165°	857	861	852	850	856	242
175°	881	886	874	870	872	84
180°	879	879	879	879	879	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2004.4	2004.4	2004.4	2004.4	2004.4
2.5°	1994.1	2014.2	1996.4	1998.8	2003.2
5°	1987.3	2012.3	1988.7	1986.2	2000.1
7.5°	1971.9	1994.7	1970.2	1964.5	1977.0
10°	1956.0	1981.0	1953.1	1946.2	1953.1
12.5°	1927.5	1953.7	1931.5	1919.9	1925.8
15°	1889.1	1905.8	1889.1	1877.7	1877.7
17.5°	1842.1	1859.6	1828.1	1820.1	1817.0
20°	1807.9	1823.2	1789.4	1777.9	1773.7
22.5°	1762.4	1776.6	1748.4	1728.9	1723.6
25°	1699.7	1705.3	1678.4	1655.4	1648.5
27.5°	1636.8	1638.2	1601.2	1573.4	1564.2
30°	1584.4	1585.8	1543.1	1513.1	1506.1
32.5°	1532.0	1527.9	1487.3	1451.6	1446.9
35°	1459.1	1445.2	1405.0	1363.6	1355.2
37.5°	1371.2	1362.8	1315.4	1273.8	1261.3
40°	1315.4	1301.4	1252.7	1211.2	1198.6
42.5°	1259.6	1243.4	1193.5	1147.4	1133.7
45°	1173.0	1154.9	1106.1	1053.1	1037.8
47.5°	1085.9	1066.1	1012.4	961.1	944.1
50°	1027.8	1006.9	950.9	900.7	882.6
52.5°	968.6	946.6	890.6	839.3	824.5
55°	879.8	856.1	801.5	749.9	736.0
57.5°	790.9	767.5	713.2	664.4	647.7
60°	731.7	709.4	656.3	607.5	590.8
62.5°	671.3	650.2	598.2	550.6	535.0
65°	583.7	562.8	513.9	468.0	454.1
67.5°	496.8	479.0	430.8	388.7	377.5
70°	439.9	423.2	377.2	338.6	327.4
72.5°	385.2	367.4	323.7	290.8	283.0
75°	301.8	285.1	250.5	224.8	220.7
77.5°	225.5	211.8	181.9	167.4	165.1
80°	176.5	164.0	140.9	131.0	131.0
82.5°	131.0	120.7	105.6	101.4	101.4
85°	68.3	62.8	59.8	59.8	59.8
87.5°	20.5	20.5	19.4	18.4	18.2
90°	0.0	0.0	0.0	0.6	0.0
92.5°	10.1	3.9	3.2	3.8	3.7
95°	37.1	6.7	8.6	9.3	9.3
97.5°	74.8	73.3	10.1	12.1	12.2
100°	103.4	106.6	10.6	12.6	13.3
102.5°	135.2	137.9	19.6	13.1	13.8
105°	186.2	188.8	191.5	13.9	14.6
107.5°	237.0	238.9	240.7	216.7	81.1
110°	270.4	272.3	273.0	279.7	281.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	301.7	304.1	305.4	311.0	313.3
115°	349.3	351.8	352.6	357.9	359.9
117.5°	394.5	397.2	398.4	402.7	405.8
120°	424.1	427.4	428.1	433.5	436.1
122.5°	453.3	457.1	456.7	461.6	465.2
125°	496.4	499.6	498.4	503.7	507.0
127.5°	537.3	539.3	536.5	543.1	545.8
130°	563.3	565.3	562.0	568.0	571.3
132.5°	587.2	590.2	586.4	591.9	595.1
135°	623.6	626.9	621.6	626.4	630.2
137.5°	656.1	660.0	653.7	659.2	662.6
140°	677.3	681.2	673.3	679.4	683.3
142.5°	696.9	701.8	692.4	697.9	702.4
145°	725.7	730.2	721.0	725.8	729.7
147.5°	753.0	756.9	748.1	751.5	754.2
150°	769.4	773.3	763.5	766.8	770.1
152.5°	782.7	788.1	778.3	780.7	785.5
155°	803.9	810.4	799.2	801.3	806.5
157.5°	823.4	829.2	818.1	819.9	824.4
160°	835.0	840.9	829.7	830.5	835.0
162.5°	844.0	849.4	839.8	838.5	844.0
165°	856.9	861.4	852.3	849.7	855.6
167.5°	867.6	872.8	861.5	859.4	866.0
170°	873.5	878.6	866.8	863.7	870.8
172.5°	877.2	881.8	870.5	866.3	871.9
175°	881.4	886.0	874.1	869.5	872.1
177.5°	882.6	886.2	876.8	872.7	878.9
180°	879.4	879.4	879.4	879.4	879.4



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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	19.27	20.27	20.09	21.11	22.15	18.19	19.19	19.01	20.03	21.07
	3H	20.95	21.84	21.78	22.69	23.76	19.62	20.51	20.45	21.36	22.43
	4H	21.58	22.43	22.43	23.29	24.37	20.14	20.98	20.99	21.84	22.92
	6H	21.98	22.75	22.84	23.62	24.71	20.46	21.24	21.33	22.11	23.20
	8H	22.12	22.86	22.99	23.74	24.84	20.59	21.33	21.46	22.22	23.31
	12H	22.19	22.90	23.07	23.77	24.89	20.67	21.38	21.55	22.25	23.37
4H	2H	19.69	20.54	20.55	21.40	22.48	18.84	19.68	19.69	20.54	21.62
	3H	21.60	22.30	22.46	23.19	24.29	20.47	21.17	21.33	22.06	23.16
	4H	22.35	22.99	23.23	23.88	25.00	21.08	21.72	21.96	22.61	23.73
	6H	22.86	23.41	23.75	24.33	25.45	21.50	22.05	22.39	22.96	24.09
	8H	23.06	23.57	23.95	24.48	25.62	21.67	22.19	22.57	23.10	24.23
	12H	23.16	23.62	24.08	24.55	25.69	21.79	22.25	22.70	23.18	24.32
8H	4H	22.49	23.01	23.39	23.91	25.05	21.35	21.87	22.25	22.77	23.91
	6H	23.12	23.54	24.04	24.49	25.63	21.89	22.31	22.81	23.26	24.40
	8H	23.39	23.77	24.33	24.71	25.87	22.14	22.52	23.07	23.46	24.61
	12H	23.56	23.90	24.50	24.83	26.04	22.32	22.66	23.26	23.59	24.79
12H	4H	22.47	22.94	23.39	23.86	25.01	21.36	21.83	22.28	22.75	23.90
	6H	23.13	23.51	24.07	24.45	25.61	21.94	22.32	22.88	23.26	24.42
	8H	23.44	23.77	24.38	24.70	25.91	22.23	22.57	23.17	23.50	24.71