

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: P1438648

Luminaire Tested: CB2-055U-030D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438648  
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-030D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

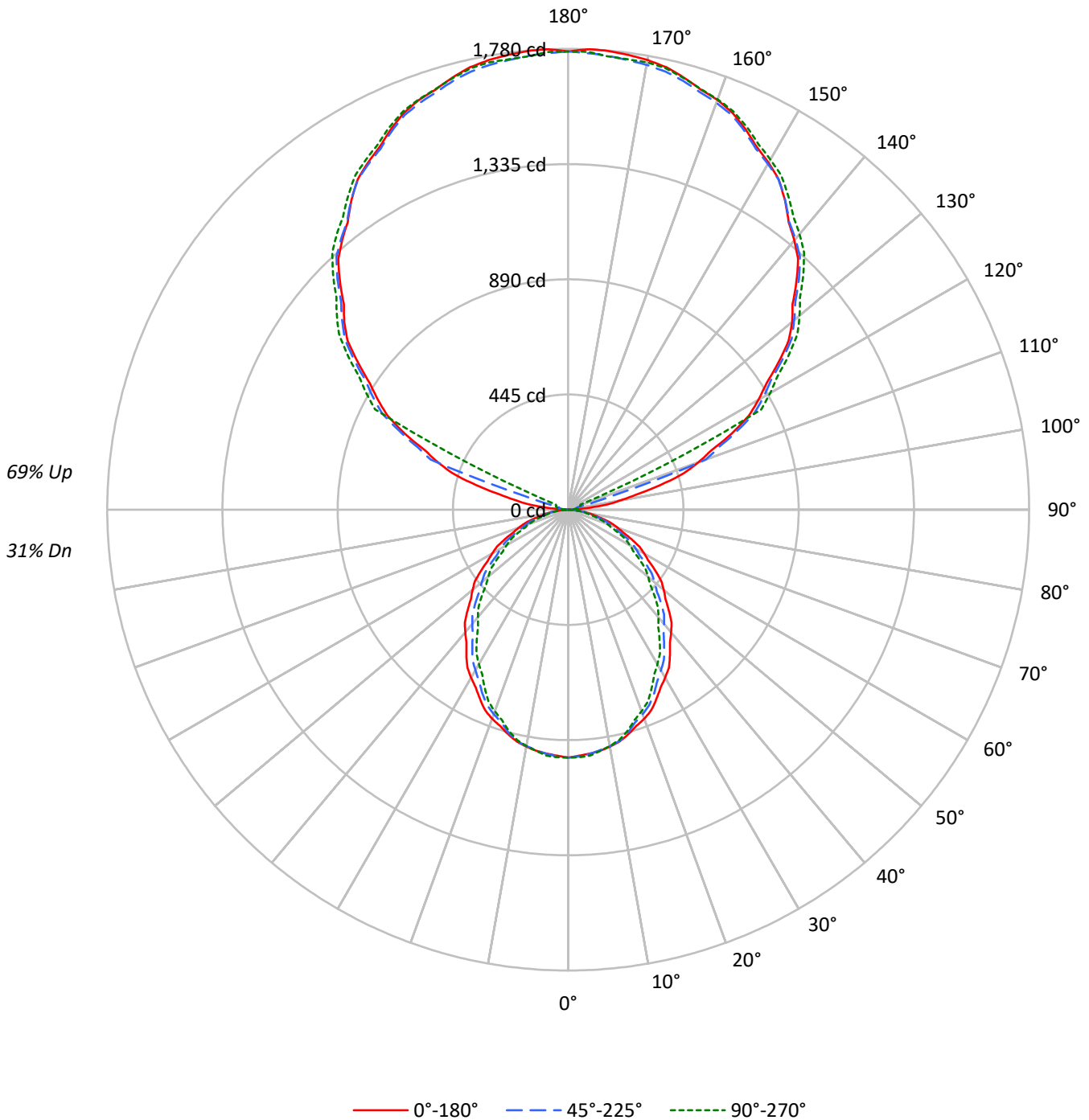
Lumens per Lamp: N/A  
Luminaire Lumens: 7280.1 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 56.3  
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	38	38	38	31
1	94	89	86	82	84	80	77	75	64	62	60	48	47	46	34	33	33	26
2	85	78	72	67	76	70	65	61	56	52	50	42	40	38	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	36	34	30	28	24	22	20	16
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	22	20	18	14
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	16	12
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	16	14	13	10
9	48	36	29	24	43	33	26	22	27	22	18	21	17	15	15	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

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

	0°	45°	90°
0°	8339	8339	8339
5°	8268	8280	8338
10°	8220	8202	8195
15°	8091	8038	7972
20°	7964	7787	7678
25°	7750	7531	7320
30°	7535	7203	6931
35°	7288	6867	6539
40°	7027	6552	6167
45°	6763	6221	5806
50°	6526	5900	5453
55°	6234	5566	5121
60°	5899	5248	4788
65°	5545	4894	4457
70°	5154	4499	4033
75°	4687	4071	3651
80°	4193	3566	3310
85°	3227	2928	2418

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6763 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.0	1.2
10°-20°	251.0	3.4
20°-30°	360.9	5.0
30°-40°	405.6	5.6
40°-50°	391.8	5.4
50°-60°	331.1	4.5
60°-70°	237.8	3.3
70°-80°	130.0	1.8
80°-90°	34.6	0.5
90°-100°	30.9	0.4
100°-110°	196.3	2.7
110°-120°	623.8	8.6
120°-130°	905.2	12.4
130°-140°	973.6	13.4
140°-150°	916.6	12.6
150°-160°	746.7	10.3
160°-170°	486.0	6.7
170°-180°	168.0	2.3
0°-30°	701.9	9.6
0°-40°	1107.6	15.2
0°-60°	1830.5	25.1
0°-90°	2232.9	30.7
90°-120°	851.0	11.7
90°-150°	3646.4	50.1
90°-180°	5047.0	69.3
0°-180°	7280.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	946	959	947	947	954	90
15°	897	905	892	883	884	253
25°	806	807	784	766	762	371
35°	686	678	646	621	615	428
45°	549	538	505	479	471	424
55°	411	396	367	344	337	367
65°	269	259	238	221	216	267
75°	139	131	121	111	108	149
85°	32	30	29	26	24	38
90°	0	0	0	1	1	4
95°	70	20	22	14	13	89
105°	369	382	38	45	47	388
115°	698	713	719	728	417	686
125°	991	1008	1009	1026	1039	886
135°	1247	1262	1259	1268	1284	961
145°	1459	1470	1460	1462	1481	912
155°	1620	1630	1613	1609	1632	747
165°	1728	1733	1715	1708	1725	488
175°	1779	1783	1760	1748	1757	169
180°	1770	1770	1770	1770	1770	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	957.5	957.5	957.5	957.5	957.5
2.5°	951.1	962.5	954.0	955.2	956.9
5°	945.8	958.7	947.2	947.4	953.8
7.5°	939.0	951.2	936.8	934.2	940.2
10°	929.6	941.8	927.5	922.4	926.7
12.5°	917.3	928.9	915.1	907.2	910.9
15°	897.4	905.3	891.5	882.8	884.2
17.5°	875.7	880.6	860.7	853.4	851.9
20°	859.3	863.6	840.2	829.9	828.5
22.5°	838.2	841.9	817.3	804.7	802.7
25°	806.5	807.2	783.8	766.1	761.8
27.5°	773.3	771.0	745.0	724.1	718.5
30°	749.3	746.4	716.3	694.2	689.2
32.5°	723.5	718.3	688.1	664.3	659.3
35°	685.5	677.6	645.9	620.9	615.1
37.5°	645.0	636.1	605.0	577.7	571.3
40°	618.1	608.0	576.3	549.0	542.5
42.5°	591.1	579.9	547.5	520.2	513.2
45°	549.1	537.7	505.1	478.6	471.4
47.5°	509.3	494.6	463.1	436.7	429.5
50°	481.7	465.9	435.5	409.7	402.5
52.5°	453.5	437.2	407.9	383.3	376.1
55°	410.6	395.5	366.6	343.7	337.3
57.5°	368.0	353.6	327.1	305.3	299.0
60°	338.7	326.5	301.3	280.7	274.9
62.5°	310.6	299.5	275.5	256.6	250.9
65°	269.1	259.0	237.5	220.6	216.3
67.5°	228.7	218.7	201.3	186.1	181.2
70°	202.4	192.3	176.7	162.7	158.4
72.5°	177.1	166.5	153.8	141.0	137.8
75°	139.3	130.7	121.0	111.4	108.5
77.5°	105.9	97.6	90.5	83.7	83.0
80°	83.6	76.4	71.1	66.7	66.0
82.5°	62.5	57.0	53.5	50.3	50.1
85°	32.3	30.1	29.3	25.6	24.2
87.5°	9.4	9.4	8.2	7.3	7.3
90°	0.0	0.0	0.0	1.3	1.3
92.5°	19.5	7.4	5.1	7.4	7.4
95°	70.4	20.3	21.8	14.1	12.8
97.5°	146.2	32.8	31.5	34.6	35.8
100°	203.5	67.1	34.6	39.7	41.0
102.5°	267.0	252.7	35.6	42.8	45.1
105°	368.6	382.4	38.4	44.9	47.4
107.5°	468.4	482.2	178.7	46.4	48.9
110°	535.0	548.8	565.7	47.4	49.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	597.5	614.2	627.2	105.5	52.0
115°	697.5	712.6	719.3	727.6	417.2
117.5°	785.9	804.4	812.0	826.4	840.4
120°	847.3	864.8	870.3	884.8	899.8
122.5°	907.7	923.2	926.6	943.1	957.1
125°	990.6	1008.2	1008.6	1025.5	1039.3
127.5°	1073.6	1088.6	1087.9	1100.5	1115.8
130°	1128.9	1138.9	1139.1	1149.7	1166.0
132.5°	1174.9	1189.0	1189.3	1197.8	1214.1
135°	1246.6	1261.6	1259.4	1267.5	1283.7
137.5°	1313.9	1328.5	1324.4	1331.2	1348.0
140°	1358.0	1370.5	1364.4	1371.2	1390.0
142.5°	1398.9	1411.4	1402.3	1408.1	1427.9
145°	1459.1	1470.3	1460.4	1462.1	1480.8
147.5°	1512.6	1523.6	1511.6	1513.2	1530.8
150°	1547.4	1557.4	1542.3	1544.0	1561.5
152.5°	1578.1	1587.1	1570.9	1570.6	1591.2
155°	1620.4	1630.4	1612.7	1609.3	1631.9
157.5°	1658.7	1668.0	1650.3	1647.9	1665.4
160°	1684.3	1690.6	1672.8	1669.4	1686.9
162.5°	1701.8	1709.0	1691.3	1685.8	1703.3
165°	1727.9	1732.9	1715.1	1707.8	1725.3
167.5°	1750.4	1756.1	1733.2	1726.8	1745.5
170°	1763.7	1767.5	1744.5	1736.0	1754.7
172.5°	1771.9	1774.6	1751.7	1742.0	1754.7
175°	1779.1	1782.8	1759.9	1748.5	1757.3
177.5°	1780.3	1782.3	1765.0	1755.1	1770.1
180°	1770.1	1770.1	1770.1	1770.1	1770.1



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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	12.24	12.95	13.35	14.05	15.57	11.14	11.85	12.25	12.95	14.47
	3H	13.88	14.51	14.99	15.62	17.16	12.66	13.29	13.78	14.40	15.94
	4H	14.50	15.10	15.62	16.21	17.75	13.22	13.82	14.35	14.94	16.48
	6H	14.89	15.44	16.03	16.56	18.11	13.59	14.14	14.72	15.25	16.81
	8H	15.04	15.56	16.17	16.69	18.24	13.72	14.25	14.86	15.38	16.93
	12H	15.10	15.60	16.25	16.73	18.30	13.78	14.28	14.92	15.40	16.98
4H	2H	12.63	13.23	13.77	14.34	15.89	11.76	12.36	12.89	13.47	15.01
	3H	14.49	14.99	15.63	16.13	17.68	13.48	13.98	14.62	15.12	16.67
	4H	15.23	15.69	16.37	16.81	18.39	14.15	14.61	15.29	15.73	17.31
	6H	15.74	16.13	16.89	17.28	18.85	14.61	15.01	15.76	16.16	17.72
	8H	15.94	16.31	17.09	17.45	19.03	14.80	15.17	15.95	16.31	17.89
	12H	16.04	16.37	17.20	17.52	19.11	14.88	15.21	16.04	16.37	17.96
8H	4H	15.37	15.74	16.52	16.88	18.47	14.41	14.77	15.56	15.92	17.50
	6H	16.01	16.31	17.18	17.49	19.08	15.01	15.31	16.18	16.49	18.07
	8H	16.30	16.56	17.47	17.72	19.33	15.28	15.54	16.45	16.71	18.31
	12H	16.46	16.70	17.64	17.86	19.49	15.42	15.65	16.60	16.81	18.45
12H	4H	15.34	15.68	16.51	16.83	18.42	14.40	14.74	15.57	15.89	17.48
	6H	16.03	16.30	17.21	17.46	19.06	15.07	15.33	16.24	16.49	18.10
	8H	16.34	16.58	17.52	17.74	19.37	15.37	15.60	16.54	16.76	18.39