

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: P1439168

Luminaire Tested: CB3-055U-030D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439168  
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-030D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

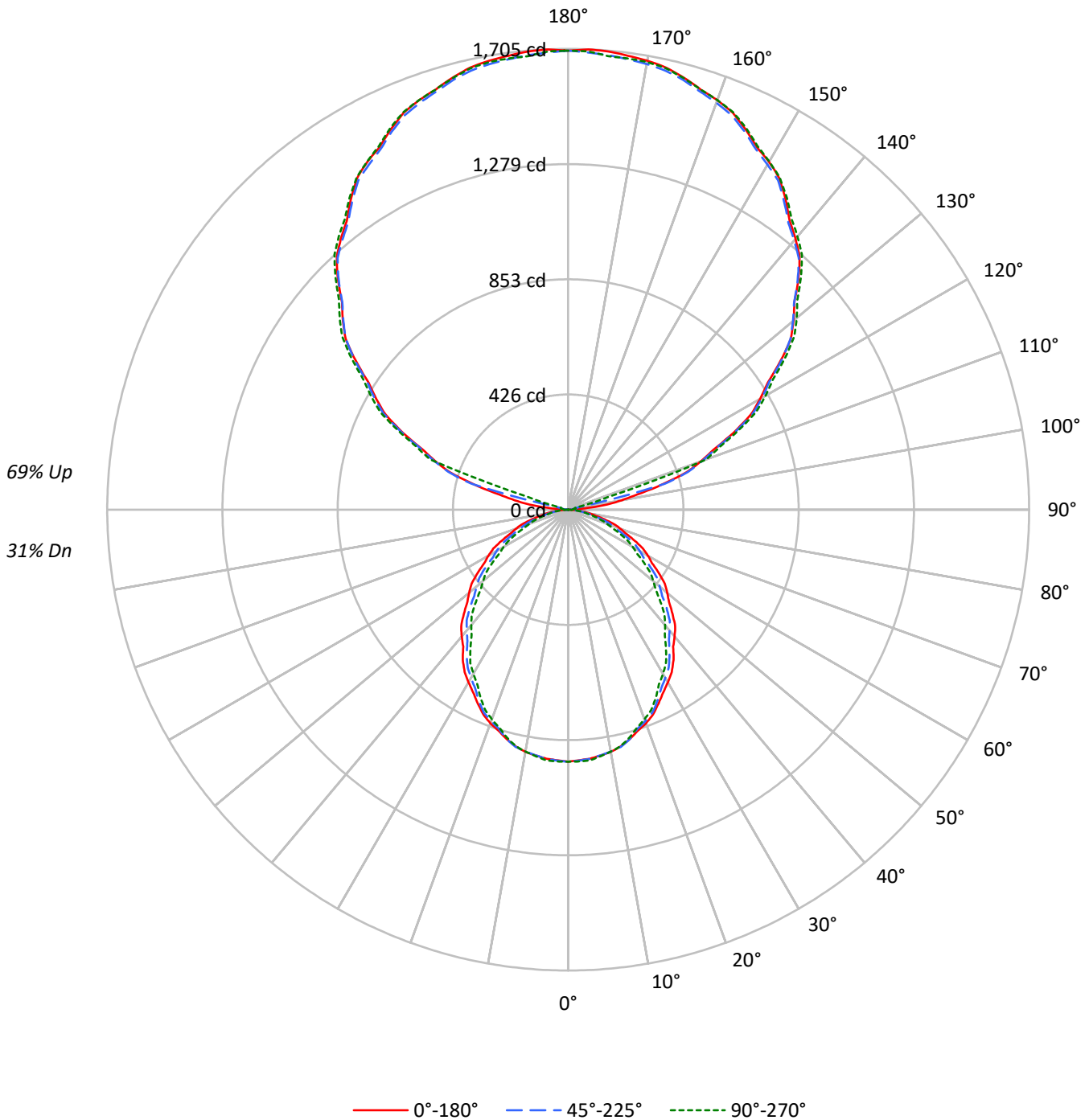
Lumens per Lamp: N/A  
Luminaire Lumens: 7245.1 lumens  
Efficiency: N/A  
Efficacy: 136.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 53.2  
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										
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	50	30	10	50	30	10	0														
RCR																																						
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	39	39	39	31														
1	94	89	86	82	84	81	77	75	64	62	60	48	47	46	34	33	33	33	33	33	33	33	33	26														
2	85	78	72	67	76	70	66	61	56	53	50	43	40	38	30	29	28	28	28	28	28	28	28	22														
3	78	69	62	56	70	62	56	51	49	45	42	38	35	33	27	25	24	24	24	24	24	24	24	19														
4	71	61	53	47	64	55	48	43	44	39	36	34	30	28	24	22	20	20	20	20	20	20	20	16														
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	22	20	18	18	18	18	18	18	18	14														
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	16	16	16	16	16	16	16	13														
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	14	14	14	14	14	14	11														
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	16	14	13	13	13	13	13	13	13	10														
9	48	36	29	24	43	33	26	22	27	22	18	21	17	15	15	13	11	11	11	11	11	11	11	9														
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	10	10	10	10	10	10	8														

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

	0°	45°	90°
0°	5275	5275	5275
5°	5251	5255	5285
10°	5228	5220	5220
15°	5148	5148	5117
20°	5064	5012	4968
25°	4936	4874	4788
30°	4816	4690	4577
35°	4689	4515	4354
40°	4520	4304	4119
45°	4367	4117	3863
50°	4209	3894	3614
55°	4037	3678	3377
60°	3851	3454	3110
65°	3636	3201	2829
70°	3386	2903	2519
75°	3069	2549	2245
80°	2675	2137	1984
85°	2064	1805	1805

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4367 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.0	1.2
10°-20°	247.2	3.4
20°-30°	359.1	5.0
30°-40°	408.3	5.6
40°-50°	396.4	5.5
50°-60°	334.7	4.6
60°-70°	238.1	3.3
70°-80°	127.2	1.8
80°-90°	33.7	0.5
90°-100°	39.2	0.5
100°-110°	284.1	3.9
110°-120°	675.3	9.3
120°-130°	862.8	11.9
130°-140°	930.6	12.8
140°-150°	877.3	12.1
150°-160°	715.7	9.9
160°-170°	466.3	6.4
170°-180°	161.2	2.2
0°-30°	694.3	9.6
0°-40°	1102.7	15.2
0°-60°	1833.7	25.3
0°-90°	2232.7	30.8
90°-120°	998.6	13.8
90°-150°	3669.3	50.6
90°-180°	5012.0	69.2
0°-180°	7245.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	932	932	932	932	932	
5°	925	936	925	924	931	88
15°	879	887	879	874	874	248
25°	791	793	781	770	767	364
35°	679	672	654	634	630	423
45°	546	537	515	490	483	421
55°	409	398	373	349	342	366
65°	272	262	239	218	211	269
75°	140	133	117	105	103	150
85°	32	29	28	28	28	38
90°	0	0	0	1	0	4
95°	72	13	17	18	18	89
105°	360	365	370	27	28	379
115°	674	680	681	691	695	665
125°	959	965	962	973	979	855
135°	1204	1211	1200	1210	1217	927
145°	1402	1410	1392	1402	1409	877
155°	1552	1565	1544	1548	1558	716
165°	1655	1664	1646	1641	1652	467
175°	1702	1711	1688	1679	1684	162
180°	1698	1698	1698	1698	1698	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	932.5	932.5	932.5	932.5	932.5
2.5°	927.8	937.1	928.8	929.9	932.0
5°	924.6	936.3	925.3	924.1	930.6
7.5°	917.4	928.1	916.6	914.0	919.8
10°	910.0	921.7	908.7	905.5	908.7
12.5°	896.8	909.0	898.6	893.3	896.0
15°	878.9	886.7	878.9	873.6	873.6
17.5°	857.0	865.2	850.6	846.8	845.4
20°	841.1	848.3	832.5	827.2	825.2
22.5°	820.0	826.6	813.5	804.4	801.9
25°	790.8	793.4	780.9	770.2	767.0
27.5°	761.5	762.2	745.0	732.0	727.8
30°	737.2	737.8	718.0	704.0	700.7
32.5°	712.8	710.8	692.0	675.4	673.2
35°	678.9	672.4	653.7	634.4	630.5
37.5°	637.9	634.1	612.0	592.6	586.8
40°	612.0	605.5	582.8	563.5	557.7
42.5°	586.0	578.5	555.3	533.8	527.5
45°	545.8	537.3	514.6	490.0	482.8
47.5°	505.2	496.0	471.0	447.2	439.3
50°	478.2	468.5	442.4	419.1	410.6
52.5°	450.6	440.4	414.3	390.5	383.6
55°	409.3	398.3	372.9	348.9	342.4
57.5°	368.0	357.1	331.8	309.1	301.4
60°	340.4	330.1	305.3	282.6	274.9
62.5°	312.3	302.5	278.3	256.2	248.9
65°	271.6	261.8	239.1	217.8	211.3
67.5°	231.1	222.9	200.4	180.8	175.6
70°	204.7	196.9	175.5	157.5	152.3
72.5°	179.2	170.9	150.6	135.3	131.7
75°	140.4	132.6	116.6	104.6	102.7
77.5°	104.9	98.6	84.6	77.9	76.8
80°	82.1	76.3	65.6	60.9	60.9
82.5°	60.9	56.1	49.1	47.2	47.2
85°	31.8	29.2	27.8	27.8	27.8
87.5°	9.5	9.5	9.0	8.7	8.5
90°	0.0	0.0	0.0	1.3	0.0
92.5°	19.5	7.4	6.1	7.4	7.2
95°	71.7	12.9	16.6	17.9	17.9
97.5°	144.4	141.6	19.5	23.3	23.6
100°	199.7	205.9	20.5	24.3	25.6
102.5°	261.1	266.4	37.9	25.4	26.6
105°	359.7	364.7	369.9	26.9	28.2
107.5°	457.7	461.4	464.9	418.5	156.7
110°	522.2	526.0	527.3	540.2	542.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	582.6	587.4	589.8	600.6	605.1
115°	674.5	679.5	680.9	691.2	695.0
117.5°	761.8	767.1	769.5	777.8	783.8
120°	819.1	825.4	826.8	837.2	842.2
122.5°	875.5	882.7	882.1	891.5	898.5
125°	958.6	964.9	962.5	972.9	979.1
127.5°	1037.7	1041.5	1036.2	1048.9	1054.1
130°	1087.9	1091.7	1085.4	1097.0	1103.3
132.5°	1134.0	1139.7	1132.5	1143.1	1149.3
135°	1204.4	1210.6	1200.5	1209.7	1217.2
137.5°	1267.1	1274.6	1262.5	1273.1	1279.6
140°	1308.1	1315.6	1300.4	1312.1	1319.6
142.5°	1345.9	1355.5	1337.2	1347.9	1356.4
145°	1401.5	1410.2	1392.5	1401.7	1409.2
147.5°	1454.2	1461.7	1444.7	1451.3	1456.5
150°	1486.0	1493.5	1474.4	1481.0	1487.2
152.5°	1511.6	1522.1	1503.1	1507.7	1516.9
155°	1552.5	1565.0	1543.6	1547.6	1557.6
157.5°	1590.1	1601.4	1579.9	1583.4	1592.2
160°	1612.7	1623.9	1602.4	1603.9	1612.7
162.5°	1630.1	1640.3	1621.9	1619.3	1630.1
165°	1654.9	1663.7	1645.9	1641.1	1652.3
167.5°	1675.6	1685.7	1663.9	1659.8	1672.6
170°	1686.9	1696.9	1674.1	1668.0	1681.8
172.5°	1694.1	1703.1	1681.3	1673.1	1683.8
175°	1702.3	1711.0	1688.2	1679.3	1684.3
177.5°	1704.6	1711.6	1693.3	1685.4	1697.4
180°	1698.4	1698.4	1698.4	1698.4	1698.4



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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	10.82	11.53	11.93	12.63	14.15	9.74	10.45	10.85	11.55	13.07
	3H	12.48	13.11	13.59	14.22	15.76	11.14	11.77	12.26	12.89	14.42
	4H	13.10	13.70	14.22	14.81	16.35	11.65	12.25	12.78	13.36	14.91
	6H	13.48	14.03	14.61	15.14	16.70	11.96	12.51	13.10	13.63	15.18
	8H	13.61	14.13	14.75	15.26	16.81	12.08	12.61	13.22	13.74	15.28
	12H	13.67	14.17	14.81	15.29	16.86	12.15	12.65	13.29	13.77	15.34
4H	2H	11.21	11.81	12.34	12.92	14.46	10.35	10.95	11.48	12.06	13.61
	3H	13.08	13.58	14.22	14.72	16.28	11.95	12.45	13.09	13.59	15.15
	4H	13.83	14.29	14.97	15.41	16.99	12.56	13.01	13.70	14.14	15.72
	6H	14.32	14.71	15.47	15.86	17.43	12.96	13.35	14.11	14.50	16.07
	8H	14.51	14.87	15.66	16.02	17.60	13.13	13.49	14.27	14.63	16.22
	12H	14.60	14.93	15.76	16.08	17.67	13.22	13.56	14.39	14.71	16.30
8H	4H	13.94	14.31	15.09	15.45	17.04	12.80	13.17	13.95	14.31	15.90
	6H	14.56	14.86	15.72	16.04	17.62	13.33	13.63	14.50	14.81	16.39
	8H	14.83	15.09	16.00	16.26	17.86	13.58	13.84	14.75	15.00	16.61
	12H	14.99	15.22	16.17	16.38	18.01	13.75	13.98	14.92	15.14	16.77
12H	4H	13.91	14.24	15.07	15.39	16.98	12.80	13.13	13.96	14.28	15.87
	6H	14.57	14.84	15.75	16.00	17.60	13.38	13.65	14.56	14.81	16.41
	8H	14.86	15.10	16.04	16.26	17.89	13.66	13.89	14.84	15.05	16.68