

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: P1439122

Luminaire Tested: CB3-030U-055D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439122
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: CB3-030U-055D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

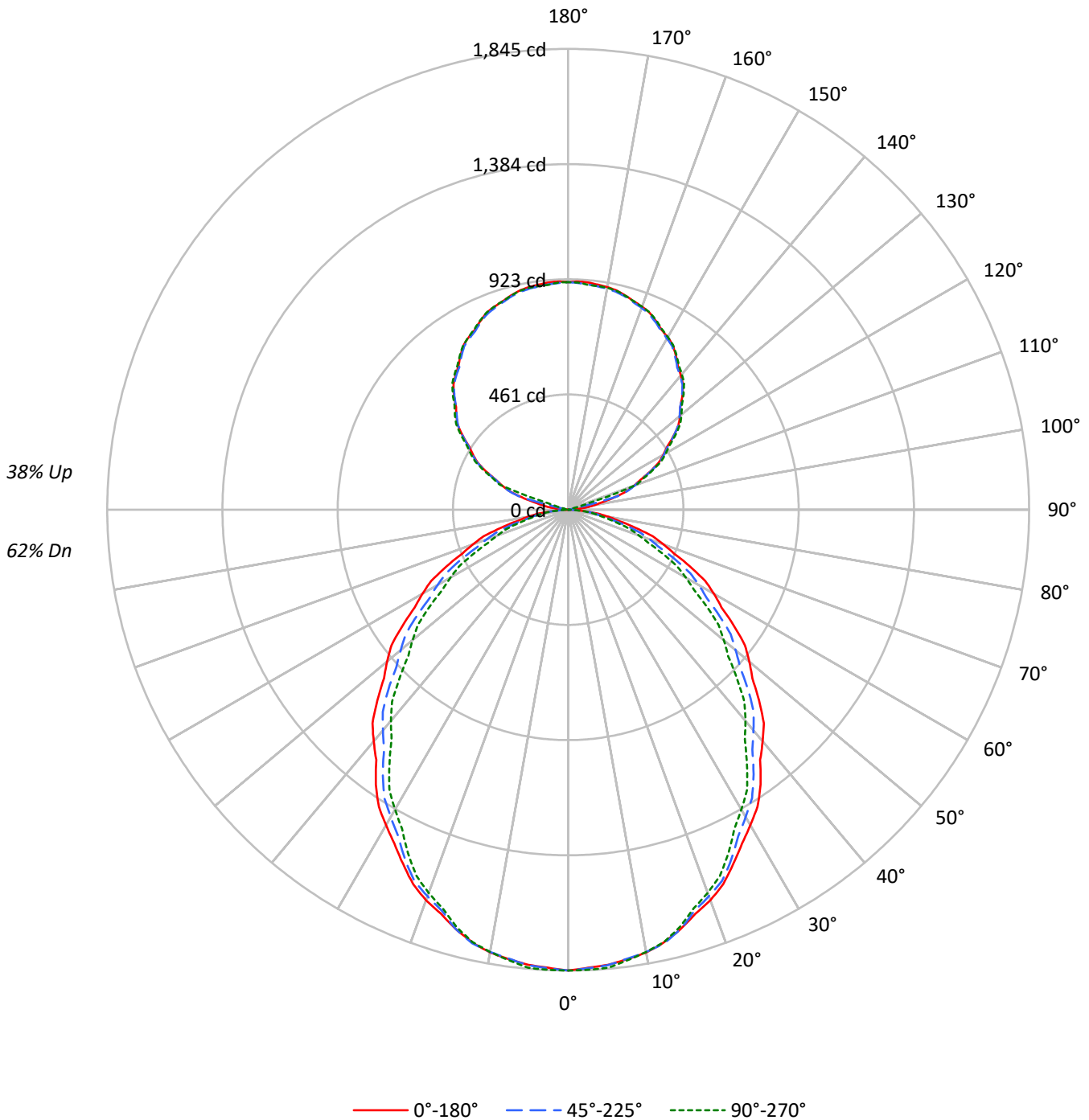
Lumens per Lamp: N/A
Luminaire Lumens: 7105.7 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 50.6
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				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	0
RCR																					
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	67	67	67	62
1	101	96	93	89	94	91	87	84	79	77	75	69	67	66	60	59	57	57	57	57	53
2	92	84	78	73	86	79	74	69	70	66	62	61	58	55	53	51	49	49	49	49	45
3	84	74	67	61	78	70	64	58	62	57	53	54	50	47	47	44	42	42	42	42	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	36	36	36	33
5	71	59	51	45	66	56	48	43	49	44	39	44	39	35	38	35	32	32	32	32	29
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	28	28	28	25
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	25	25	25	22
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	22	22	22	20
9	52	40	33	27	49	38	31	26	34	28	24	31	26	22	27	23	20	20	20	20	18
10	49	37	30	25	46	35	28	24	32	26	22	28	24	20	25	21	18	18	18	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10437	10437	10437
5°	10388	10395	10455
10°	10342	10327	10327
15°	10184	10184	10122
20°	10018	9916	9829
25°	9766	9643	9471
30°	9527	9279	9056
35°	9275	8932	8615
40°	8941	8516	8148
45°	8638	8145	7642
50°	8326	7704	7150
55°	7987	7276	6681
60°	7620	6834	6153
65°	7191	6332	5595
70°	6697	5743	4985
75°	6072	5040	4439
80°	5294	4225	3926
85°	4083	3570	3570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8638 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.1	2.4
10°-20°	489.0	6.9
20°-30°	710.5	10.0
30°-40°	807.8	11.4
40°-50°	784.2	11.0
50°-60°	662.1	9.3
60°-70°	471.1	6.6
70°-80°	251.7	3.5
80°-90°	66.5	0.9
90°-100°	21.0	0.3
100°-110°	152.4	2.1
110°-120°	362.3	5.1
120°-130°	462.8	6.5
130°-140°	499.2	7.0
140°-150°	470.6	6.6
150°-160°	383.9	5.4
160°-170°	250.1	3.5
170°-180°	86.5	1.2
0°-30°	1373.6	19.3
0°-40°	2181.4	30.7
0°-60°	3627.7	51.1
0°-90°	4416.9	62.2
90°-120°	535.7	7.5
90°-150°	1968.3	27.7
90°-180°	2689.0	37.8
0°-180°	7105.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1845	1845	1845	1845	1845	
5°	1829	1852	1830	1828	1841	174
15°	1739	1754	1739	1728	1728	490
25°	1564	1570	1545	1524	1517	721
35°	1343	1330	1293	1255	1247	837
45°	1080	1063	1018	969	955	833
55°	810	788	738	690	677	724
65°	537	518	473	431	418	532
75°	278	262	231	207	203	296
85°	63	58	55	55	55	75
90°	0	0	0	1	0	4
95°	38	7	9	10	10	47
105°	193	196	198	14	15	203
115°	362	364	365	371	373	357
125°	514	518	516	522	525	459
135°	646	649	644	649	653	498
145°	752	756	747	752	756	470
155°	833	840	828	830	836	384
165°	888	892	883	880	886	251
175°	913	918	906	901	904	87
180°	911	911	911	911	911	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1844.9	1844.9	1844.9	1844.9	1844.9
2.5°	1835.5	1853.9	1837.6	1839.7	1843.8
5°	1829.2	1852.2	1830.5	1828.1	1841.0
7.5°	1815.0	1836.0	1813.4	1808.2	1819.7
10°	1800.3	1823.4	1797.7	1791.3	1797.7
12.5°	1774.1	1798.2	1777.8	1767.2	1772.6
15°	1738.8	1754.1	1738.8	1728.3	1728.3
17.5°	1695.5	1711.7	1682.7	1675.3	1672.5
20°	1664.1	1678.2	1647.0	1636.5	1632.6
22.5°	1622.1	1635.2	1609.3	1591.4	1586.5
25°	1564.5	1569.6	1544.8	1523.7	1517.3
27.5°	1506.6	1507.9	1473.8	1448.2	1439.7
30°	1458.4	1459.6	1420.4	1392.7	1386.3
32.5°	1410.1	1406.3	1369.0	1336.1	1331.8
35°	1343.0	1330.2	1293.3	1255.1	1247.4
37.5°	1262.1	1254.4	1210.7	1172.4	1160.9
40°	1210.7	1197.9	1153.1	1114.8	1103.3
42.5°	1159.3	1144.5	1098.5	1056.1	1043.5
45°	1079.7	1063.0	1018.1	969.3	955.2
47.5°	999.5	981.3	931.9	884.6	869.0
50°	946.0	926.8	875.3	829.0	812.4
52.5°	891.5	871.3	819.7	772.5	758.9
55°	809.8	788.0	737.7	690.2	677.4
57.5°	728.0	706.5	656.5	611.6	596.2
60°	673.5	653.0	604.0	559.1	543.8
62.5°	617.9	598.5	550.6	506.8	492.4
65°	537.2	518.0	473.0	430.8	418.0
67.5°	457.3	440.9	396.5	357.7	347.5
70°	404.9	389.5	347.2	311.6	301.4
72.5°	354.6	338.2	298.0	267.7	260.5
75°	277.8	262.4	230.6	206.9	203.1
77.5°	207.6	195.0	167.5	154.0	152.0
80°	162.5	150.9	129.7	120.5	120.5
82.5°	120.5	111.1	97.2	93.3	93.3
85°	62.9	57.8	55.0	55.0	55.0
87.5°	18.9	18.9	17.8	16.9	16.8
90°	0.0	0.0	0.0	0.7	0.0
92.5°	10.4	4.0	3.3	4.0	3.8
95°	38.4	6.9	8.9	9.6	9.6
97.5°	77.4	76.0	10.4	12.5	12.6
100°	107.1	110.5	11.0	13.1	13.7
102.5°	140.1	142.9	20.3	13.6	14.3
105°	192.9	195.6	198.4	14.4	15.1
107.5°	245.5	247.5	249.4	224.5	84.0
110°	280.1	282.1	282.9	289.8	291.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	312.5	315.1	316.4	322.2	324.6
115°	361.8	364.5	365.3	370.8	372.8
117.5°	408.6	411.5	412.8	417.2	420.5
120°	439.4	442.8	443.5	449.1	451.8
122.5°	469.6	473.5	473.2	478.2	482.0
125°	514.2	517.6	516.3	521.9	525.2
127.5°	556.7	558.7	555.8	562.6	565.5
130°	583.6	585.6	582.2	588.5	591.8
132.5°	608.3	611.4	607.5	613.2	616.5
135°	646.1	649.4	644.0	648.9	652.9
137.5°	679.7	683.7	677.2	682.9	686.4
140°	701.7	705.7	697.6	703.8	707.9
142.5°	722.0	727.1	717.3	723.1	727.6
145°	751.8	756.5	747.0	751.9	755.9
147.5°	780.1	784.1	775.0	778.5	781.3
150°	797.1	801.1	790.9	794.4	797.8
152.5°	810.8	816.5	806.3	808.8	813.7
155°	832.8	839.5	828.0	830.2	835.6
157.5°	853.0	859.0	847.5	849.4	854.1
160°	865.1	871.1	859.6	860.4	865.1
162.5°	874.4	879.9	870.0	868.6	874.4
165°	887.7	892.4	882.9	880.3	886.4
167.5°	898.9	904.2	892.5	890.4	897.2
170°	904.9	910.3	898.0	894.8	902.2
172.5°	908.7	913.6	901.9	897.5	903.3
175°	913.1	917.8	905.6	900.8	903.5
177.5°	914.4	918.1	908.3	904.1	910.5
180°	911.1	911.1	911.1	911.1	911.1



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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	16.35	17.32	17.20	18.19	19.28	15.28	16.24	16.12	17.11	18.20
	3H	18.03	18.90	18.89	19.77	20.89	16.70	17.56	17.56	18.44	19.56
	4H	18.66	19.48	19.54	20.37	21.49	17.22	18.04	18.10	18.92	20.05
	6H	19.05	19.81	19.94	20.70	21.84	17.54	18.30	18.43	19.19	20.33
	8H	19.19	19.91	20.09	20.82	21.96	17.67	18.39	18.56	19.30	20.43
	12H	19.27	19.95	20.17	20.85	22.01	17.75	18.43	18.65	19.33	20.50
4H	2H	16.77	17.59	17.66	18.48	19.60	15.92	16.74	16.80	17.62	18.74
	3H	18.67	19.36	19.57	20.27	21.41	17.54	18.23	18.44	19.14	20.28
	4H	19.43	20.05	20.33	20.96	22.13	18.16	18.78	19.06	19.69	20.85
	6H	19.93	20.47	20.85	21.41	22.57	18.57	19.11	19.49	20.05	21.21
	8H	20.13	20.63	21.05	21.56	22.74	18.75	19.25	19.67	20.18	21.36
	12H	20.23	20.68	21.17	21.63	22.82	18.86	19.31	19.80	20.26	21.44
8H	4H	19.56	20.07	20.49	21.00	22.18	18.43	18.93	19.35	19.86	21.04
	6H	20.19	20.60	21.14	21.57	22.75	18.96	19.37	19.91	20.34	21.52
	8H	20.46	20.83	21.42	21.79	22.99	19.21	19.58	20.17	20.54	21.74
	12H	20.63	20.96	21.59	21.91	23.16	19.39	19.71	20.35	20.67	21.92
12H	4H	19.54	19.99	20.48	20.94	22.13	18.43	18.88	19.37	19.83	21.02
	6H	20.20	20.57	21.16	21.53	22.73	19.02	19.38	19.97	20.35	21.54
	8H	20.51	20.83	21.47	21.79	23.03	19.30	19.63	20.26	20.58	21.83