

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: P1438642

Luminaire Tested: CB2-055U-030D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438642
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

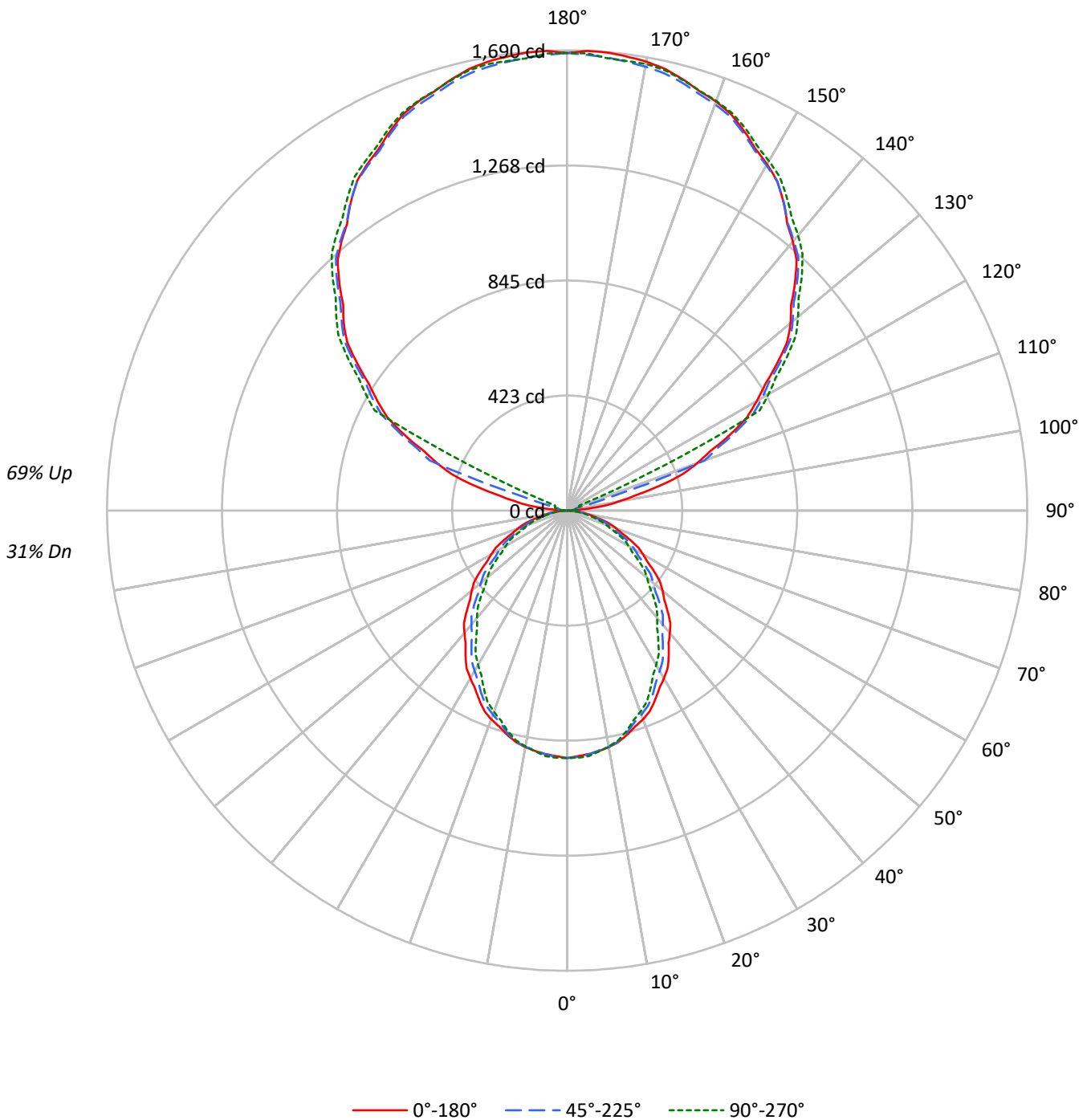
Lumens per Lamp: N/A
Luminaire Lumens: 6910.1 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 56.3
Input Voltage (V): 120
Input Current (A_{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										
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	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°	7915	7915	7915
5°	7848	7860	7915
10°	7803	7785	7778
15°	7680	7629	7567
20°	7559	7391	7288
25°	7356	7148	6947
30°	7152	6837	6579
35°	6918	6518	6208
40°	6669	6218	5855
45°	6419	5905	5511
50°	6194	5601	5177
55°	5917	5284	4860
60°	5600	4981	4546
65°	5263	4647	4231
70°	4891	4270	3827
75°	4448	3863	3466
80°	3977	3385	3139
85°	3058	2778	2298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6419 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	1.2
10°-20°	238.2	3.4
20°-30°	342.6	5.0
30°-40°	385.0	5.6
40°-50°	371.9	5.4
50°-60°	314.3	4.5
60°-70°	225.7	3.3
70°-80°	123.4	1.8
80°-90°	32.8	0.5
90°-100°	29.3	0.4
100°-110°	186.4	2.7
110°-120°	592.1	8.6
120°-130°	859.2	12.4
130°-140°	924.1	13.4
140°-150°	870.0	12.6
150°-160°	708.8	10.3
160°-170°	461.3	6.7
170°-180°	159.5	2.3
0°-30°	666.3	9.6
0°-40°	1051.3	15.2
0°-60°	1737.5	25.1
0°-90°	2119.4	30.7
90°-120°	807.7	11.7
90°-150°	3461.1	50.1
90°-180°	4791.0	69.3
0°-180°	6910.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	898	910	899	899	905	85
15°	852	859	846	838	839	240
25°	766	766	744	727	723	352
35°	651	643	613	589	584	406
45°	521	510	480	454	448	403
55°	390	375	348	326	320	348
65°	255	246	226	209	205	253
75°	132	124	115	106	103	141
85°	31	29	28	24	23	36
90°	0	0	0	1	1	4
95°	67	19	21	13	12	85
105°	350	363	36	43	45	369
115°	662	676	683	691	396	651
125°	940	957	957	973	986	841
135°	1183	1198	1195	1203	1218	913
145°	1385	1396	1386	1388	1406	866
155°	1538	1548	1531	1528	1549	709
165°	1640	1645	1628	1621	1638	463
175°	1689	1692	1670	1660	1668	161
180°	1680	1680	1680	1680	1680	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	908.9	908.9	908.9	908.9	908.9
2.5°	902.7	913.6	905.5	906.7	908.3
5°	897.7	910.0	899.1	899.2	905.4
7.5°	891.3	902.9	889.2	886.7	892.4
10°	882.4	894.0	880.3	875.5	879.6
12.5°	870.7	881.7	868.6	861.1	864.6
15°	851.8	859.3	846.2	837.9	839.3
17.5°	831.2	835.8	817.0	810.0	808.6
20°	815.6	819.7	797.5	787.7	786.4
22.5°	795.6	799.1	775.8	763.8	761.9
25°	765.5	766.2	743.9	727.1	723.0
27.5°	734.0	731.9	707.2	687.3	682.0
30°	711.2	708.5	679.9	658.9	654.2
32.5°	686.7	681.8	653.2	630.5	625.8
35°	650.7	643.2	613.1	589.3	583.9
37.5°	612.3	603.8	574.3	548.4	542.2
40°	586.6	577.1	547.0	521.1	515.0
42.5°	561.0	550.4	519.7	493.8	487.1
45°	521.2	510.3	479.5	454.3	447.5
47.5°	483.4	469.5	439.5	414.5	407.7
50°	457.2	442.2	413.4	388.9	382.1
52.5°	430.5	415.0	387.2	363.8	357.0
55°	389.7	375.4	348.0	326.2	320.1
57.5°	349.3	335.6	310.5	289.8	283.8
60°	321.5	309.9	286.0	266.4	261.0
62.5°	294.8	284.3	261.5	243.6	238.1
65°	255.4	245.9	225.5	209.4	205.3
67.5°	217.1	207.6	191.1	176.7	172.0
70°	192.1	182.5	167.7	154.4	150.3
72.5°	168.1	158.1	146.0	133.8	130.8
75°	132.2	124.1	114.8	105.7	103.0
77.5°	100.5	92.6	85.9	79.5	78.8
80°	79.3	72.5	67.5	63.3	62.6
82.5°	59.3	54.1	50.8	47.7	47.6
85°	30.6	28.6	27.8	24.3	23.0
87.5°	8.9	8.9	7.8	6.9	6.9
90°	0.0	0.0	0.0	1.2	1.2
92.5°	18.5	7.1	4.9	7.0	7.0
95°	66.8	19.3	20.7	13.3	12.1
97.5°	138.7	31.1	29.9	32.8	34.0
100°	193.2	63.7	32.8	37.7	38.9
102.5°	253.4	239.9	33.8	40.6	42.8
105°	349.9	362.9	36.4	42.6	44.9
107.5°	444.6	457.7	169.6	44.0	46.4
110°	507.8	520.9	537.0	45.0	47.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	567.1	583.0	595.3	100.2	49.3
115°	662.1	676.4	682.8	690.6	396.0
117.5°	745.9	763.5	770.7	784.4	797.7
120°	804.2	820.9	826.1	839.8	854.0
122.5°	861.6	876.3	879.6	895.2	908.5
125°	940.3	956.9	957.3	973.4	986.5
127.5°	1019.0	1033.3	1032.6	1044.6	1059.1
130°	1071.5	1081.0	1081.2	1091.3	1106.7
132.5°	1115.2	1128.5	1128.8	1137.0	1152.4
135°	1183.3	1197.5	1195.4	1203.1	1218.5
137.5°	1247.2	1261.0	1257.1	1263.6	1279.5
140°	1289.0	1300.8	1295.0	1301.5	1319.3
142.5°	1327.8	1339.7	1331.0	1336.5	1355.3
145°	1384.9	1395.6	1386.2	1387.8	1405.6
147.5°	1435.7	1446.2	1434.7	1436.3	1453.0
150°	1468.8	1478.3	1463.9	1465.5	1482.1
152.5°	1497.9	1506.5	1491.1	1490.8	1510.3
155°	1538.0	1547.5	1530.7	1527.6	1548.9
157.5°	1574.5	1583.2	1566.4	1564.1	1580.8
160°	1598.8	1604.7	1587.8	1584.6	1601.2
162.5°	1615.3	1622.2	1605.3	1600.1	1616.7
165°	1640.1	1644.8	1627.9	1621.0	1637.6
167.5°	1661.4	1666.9	1645.2	1639.0	1656.8
170°	1674.1	1677.6	1655.9	1647.8	1665.6
172.5°	1681.8	1684.5	1662.7	1653.5	1665.6
175°	1688.7	1692.2	1670.4	1659.7	1668.0
177.5°	1689.9	1691.8	1675.3	1665.9	1680.1
180°	1680.1	1680.1	1680.1	1680.1	1680.1



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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	12.06	12.77	13.17	13.87	15.39	10.96	11.67	12.07	12.77	14.29
	3H	13.69	14.33	14.81	15.44	16.98	12.48	13.11	13.60	14.22	15.76
	4H	14.32	14.91	15.44	16.03	17.57	13.04	13.64	14.17	14.75	16.30
	6H	14.71	15.26	15.85	16.38	17.93	13.41	13.96	14.54	15.07	16.63
	8H	14.85	15.38	15.99	16.51	18.06	13.54	14.07	14.68	15.20	16.75
	12H	14.92	15.42	16.07	16.54	18.12	13.60	14.10	14.74	15.22	16.80
4H	2H	12.45	13.05	13.59	14.16	15.71	11.58	12.18	12.71	13.29	14.83
	3H	14.31	14.81	15.45	15.94	17.50	13.30	13.80	14.44	14.94	16.49
	4H	15.05	15.50	16.19	16.63	18.21	13.97	14.42	15.11	15.55	17.13
	6H	15.56	15.95	16.71	17.10	18.67	14.43	14.82	15.58	15.97	17.54
	8H	15.76	16.12	16.91	17.27	18.85	14.62	14.98	15.77	16.13	17.71
	12H	15.86	16.19	17.02	17.34	18.93	14.70	15.03	15.86	16.18	17.77
8H	4H	15.19	15.56	16.34	16.70	18.28	14.23	14.59	15.38	15.74	17.32
	6H	15.83	16.13	16.99	17.31	18.89	14.82	15.13	15.99	16.31	17.89
	8H	16.11	16.38	17.29	17.54	19.14	15.10	15.36	16.27	16.52	18.13
	12H	16.28	16.51	17.46	17.67	19.31	15.24	15.47	16.42	16.63	18.27
12H	4H	15.16	15.49	16.33	16.65	18.24	14.22	14.55	15.39	15.71	17.30
	6H	15.85	16.12	17.03	17.28	18.88	14.89	15.15	16.06	16.31	17.92
	8H	16.16	16.39	17.34	17.55	19.19	15.18	15.42	16.36	16.58	18.21