

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: P1439170

Luminaire Tested: CB3-055U-030D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439170
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-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

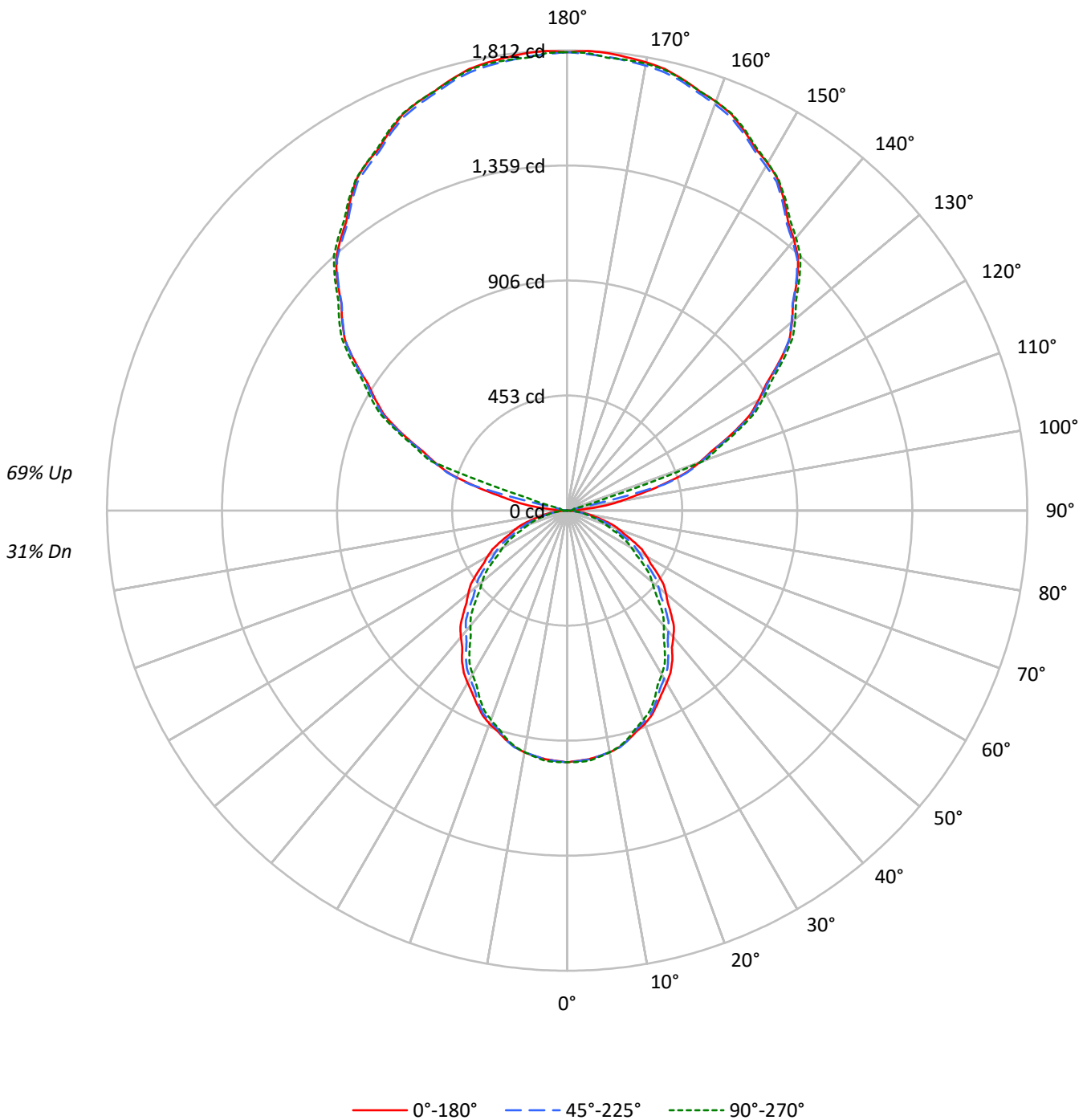
Lumens per Lamp: N/A
Luminaire Lumens: 7700.0 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 53.2
Input Voltage (V): 120
Input Current (A_{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	
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	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	48	47	46	34	33	33	26
2	85	78	72	67	76	70	66	61	56	53	50	43	40	38	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	33	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	13
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°	5607	5607	5607
5°	5580	5584	5616
10°	5556	5548	5548
15°	5471	5471	5438
20°	5382	5327	5280
25°	5247	5180	5088
30°	5118	4984	4865
35°	4983	4798	4628
40°	4803	4574	4377
45°	4640	4376	4105
50°	4473	4138	3841
55°	4290	3909	3589
60°	4094	3672	3305
65°	3863	3401	3005
70°	3598	3085	2678
75°	3261	2708	2385
80°	2844	2271	2111
85°	2194	1921	1921

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4640 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	1.2
10°-20°	262.7	3.4
20°-30°	381.7	5.0
30°-40°	434.0	5.6
40°-50°	421.3	5.5
50°-60°	355.7	4.6
60°-70°	253.1	3.3
70°-80°	135.2	1.8
80°-90°	35.8	0.5
90°-100°	41.7	0.5
100°-110°	301.9	3.9
110°-120°	717.7	9.3
120°-130°	916.9	11.9
130°-140°	989.0	12.8
140°-150°	932.4	12.1
150°-160°	760.6	9.9
160°-170°	495.6	6.4
170°-180°	171.3	2.2
0°-30°	737.9	9.6
0°-40°	1171.9	15.2
0°-60°	1948.8	25.3
0°-90°	2372.9	30.8
90°-120°	1061.3	13.8
90°-150°	3899.6	50.6
90°-180°	5327.0	69.2
0°-180°	7700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	983	995	983	982	989	93
15°	934	942	934	928	928	263
25°	840	843	830	819	815	387
35°	722	715	695	674	670	450
45°	580	571	547	521	513	447
55°	435	423	396	371	364	389
65°	289	278	254	231	224	286
75°	149	141	124	111	109	159
85°	34	31	30	30	30	40
90°	0	0	0	1	0	4
95°	76	14	18	19	19	94
105°	382	388	393	29	30	403
115°	717	722	724	735	739	707
125°	1019	1026	1023	1034	1041	909
135°	1280	1287	1276	1286	1294	986
145°	1490	1499	1480	1490	1498	932
155°	1650	1663	1640	1645	1655	761
165°	1759	1768	1749	1744	1756	497
175°	1809	1818	1794	1785	1790	172
180°	1805	1805	1805	1805	1805	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.1	991.1	991.1	991.1	991.1
2.5°	986.0	995.9	987.1	988.3	990.5
5°	982.6	995.0	983.3	982.1	989.0
7.5°	975.0	986.3	974.2	971.4	977.6
10°	967.2	979.5	965.7	962.3	965.7
12.5°	953.1	966.0	955.1	949.3	952.2
15°	934.1	942.3	934.1	928.4	928.4
17.5°	910.8	919.5	903.9	900.0	898.5
20°	894.0	901.5	884.8	879.1	877.1
22.5°	871.4	878.4	864.5	854.9	852.3
25°	840.5	843.2	829.9	818.6	815.1
27.5°	809.3	810.0	791.7	778.0	773.4
30°	783.4	784.1	763.0	748.2	744.7
32.5°	757.5	755.5	735.4	717.8	715.4
35°	721.5	714.6	694.7	674.2	670.1
37.5°	678.0	673.9	650.4	629.8	623.7
40°	650.4	643.5	619.4	598.9	592.7
42.5°	622.8	614.8	590.1	567.3	560.6
45°	580.0	571.1	546.9	520.7	513.1
47.5°	536.9	527.2	500.6	475.2	466.8
50°	508.2	497.9	470.2	445.4	436.4
52.5°	478.9	468.1	440.4	415.0	407.7
55°	435.0	423.3	396.3	370.8	363.9
57.5°	391.1	379.5	352.7	328.5	320.3
60°	361.8	350.8	324.5	300.4	292.1
62.5°	332.0	321.5	295.8	272.2	264.5
65°	288.6	278.3	254.1	231.4	224.5
67.5°	245.7	236.9	213.0	192.2	186.7
70°	217.5	209.2	186.5	167.4	161.9
72.5°	190.5	181.7	160.1	143.8	139.9
75°	149.2	141.0	123.9	111.2	109.1
77.5°	111.5	104.8	90.0	82.8	81.7
80°	87.3	81.1	69.7	64.8	64.8
82.5°	64.8	59.7	52.2	50.1	50.1
85°	33.8	31.0	29.6	29.6	29.6
87.5°	10.1	10.1	9.6	9.3	9.0
90°	0.0	0.0	0.0	1.3	0.0
92.5°	20.7	7.9	6.5	7.9	7.6
95°	76.2	13.7	17.7	19.0	19.0
97.5°	153.4	150.5	20.7	24.8	25.0
100°	212.2	218.8	21.8	25.9	27.2
102.5°	277.5	283.1	40.3	27.0	28.3
105°	382.2	387.6	393.1	28.6	29.9
107.5°	486.4	490.4	494.0	444.7	166.5
110°	555.0	559.0	560.4	574.1	576.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	619.2	624.2	626.8	638.3	643.1
115°	716.9	722.2	723.7	734.6	738.6
117.5°	809.6	815.2	817.8	826.6	833.0
120°	870.6	877.2	878.7	889.7	895.0
122.5°	930.4	938.1	937.5	947.4	954.9
125°	1018.8	1025.5	1022.9	1033.9	1040.6
127.5°	1102.9	1106.9	1101.3	1114.7	1120.3
130°	1156.2	1160.2	1153.5	1165.9	1172.5
132.5°	1205.2	1211.3	1203.5	1214.9	1221.5
135°	1280.0	1286.6	1275.9	1285.6	1293.6
137.5°	1346.6	1354.6	1341.7	1353.1	1360.0
140°	1390.2	1398.2	1382.0	1394.4	1402.4
142.5°	1430.4	1440.5	1421.2	1432.5	1441.6
145°	1489.5	1498.8	1480.0	1489.7	1497.6
147.5°	1545.5	1553.5	1535.4	1542.4	1548.0
150°	1579.2	1587.2	1567.0	1574.0	1580.6
152.5°	1606.5	1617.6	1597.5	1602.3	1612.2
155°	1650.0	1663.3	1640.5	1644.8	1655.4
157.5°	1690.0	1701.9	1679.1	1682.8	1692.1
160°	1713.9	1725.9	1703.0	1704.6	1713.9
162.5°	1732.4	1743.3	1723.7	1721.0	1732.4
165°	1758.8	1768.1	1749.3	1744.1	1756.1
167.5°	1780.8	1791.5	1768.3	1764.0	1777.6
170°	1792.8	1803.4	1779.2	1772.7	1787.4
172.5°	1800.4	1810.0	1786.8	1778.1	1789.5
175°	1809.1	1818.4	1794.2	1784.8	1790.1
177.5°	1811.6	1819.0	1799.6	1791.2	1804.0
180°	1805.1	1805.1	1805.1	1805.1	1805.1



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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	11.03	11.74	12.14	12.84	14.36	9.95	10.66	11.06	11.76	13.28
	3H	12.69	13.32	13.80	14.43	15.97	11.36	11.99	12.47	13.10	14.64
	4H	13.31	13.91	14.44	15.02	16.57	11.87	12.46	12.99	13.58	15.12
	6H	13.69	14.24	14.82	15.35	16.91	12.18	12.73	13.31	13.84	15.40
	8H	13.82	14.34	14.96	15.47	17.02	12.29	12.82	13.43	13.95	15.50
	12H	13.88	14.38	15.02	15.50	17.07	12.36	12.86	13.51	13.99	15.56
4H	2H	11.42	12.02	12.55	13.13	14.68	10.56	11.16	11.70	12.27	13.82
	3H	13.30	13.80	14.44	14.93	16.49	12.17	12.67	13.31	13.80	15.36
	4H	14.04	14.50	15.18	15.62	17.20	12.77	13.23	13.91	14.35	15.93
	6H	14.53	14.93	15.68	16.08	17.64	13.17	13.56	14.32	14.71	16.28
	8H	14.72	15.09	15.87	16.23	17.81	13.34	13.70	14.49	14.85	16.43
	12H	14.81	15.14	15.97	16.30	17.88	13.44	13.77	14.60	14.92	16.51
8H	4H	14.16	14.52	15.30	15.66	17.25	13.02	13.38	14.16	14.52	16.11
	6H	14.77	15.07	15.94	16.25	17.84	13.54	13.84	14.71	15.03	16.61
	8H	15.04	15.31	16.22	16.47	18.07	13.79	14.05	14.96	15.22	16.82
	12H	15.20	15.43	16.38	16.59	18.23	13.96	14.19	15.14	15.35	16.99
12H	4H	14.12	14.45	15.29	15.61	17.20	13.01	13.34	14.18	14.50	16.09
	6H	14.78	15.05	15.96	16.21	17.81	13.60	13.86	14.77	15.02	16.62
	8H	15.08	15.31	16.25	16.47	18.10	13.87	14.10	15.05	15.26	16.90