

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: P1439174

Luminaire Tested: CB3-055U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439174
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

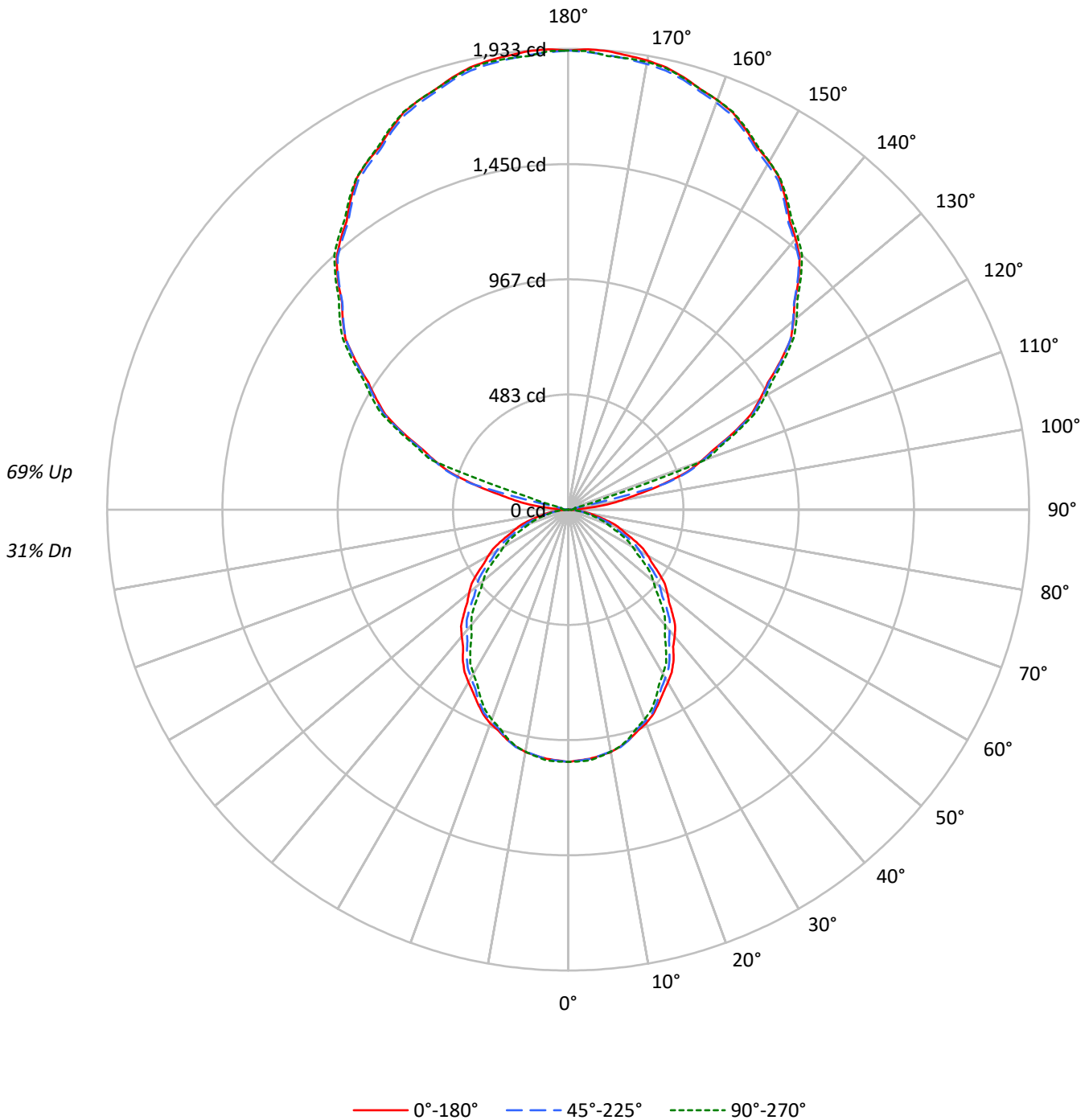
Lumens per Lamp: N/A
Luminaire Lumens: 8216.1 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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	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°	5983	5983	5983
5°	5954	5959	5993
10°	5928	5920	5920
15°	5838	5838	5802
20°	5743	5684	5634
25°	5598	5527	5429
30°	5461	5319	5191
35°	5317	5120	4938
40°	5125	4882	4670
45°	4952	4669	4380
50°	4773	4416	4099
55°	4578	4171	3830
60°	4369	3918	3527
65°	4122	3629	3207
70°	3839	3292	2857
75°	3480	2890	2544
80°	3033	2424	2251
85°	2343	2045	2045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4952 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	1.2
10°-20°	280.3	3.4
20°-30°	407.3	5.0
30°-40°	463.0	5.6
40°-50°	449.5	5.5
50°-60°	379.5	4.6
60°-70°	270.0	3.3
70°-80°	144.3	1.8
80°-90°	38.2	0.5
90°-100°	44.5	0.5
100°-110°	322.1	3.9
110°-120°	765.8	9.3
120°-130°	978.4	11.9
130°-140°	1055.3	12.8
140°-150°	994.9	12.1
150°-160°	811.6	9.9
160°-170°	528.8	6.4
170°-180°	182.8	2.2
0°-30°	787.4	9.6
0°-40°	1250.4	15.2
0°-60°	2079.5	25.3
0°-90°	2531.9	30.8
90°-120°	1132.4	13.8
90°-150°	4161.0	50.6
90°-180°	5684.0	69.2
0°-180°	8216.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1058	1058	1058	1058	1058	
5°	1048	1062	1049	1048	1055	100
15°	997	1006	997	991	991	281
25°	897	900	886	873	870	413
35°	770	762	741	719	715	480
45°	619	609	584	556	548	477
55°	464	452	423	396	388	415
65°	308	297	271	247	240	305
75°	159	150	132	119	116	170
85°	36	33	32	32	32	43
90°	0	0	0	1	0	5
95°	81	15	19	20	20	100
105°	408	414	420	30	32	430
115°	765	771	772	784	788	755
125°	1087	1094	1092	1103	1110	970
135°	1366	1373	1361	1372	1380	1052
145°	1589	1599	1579	1590	1598	994
155°	1761	1775	1750	1755	1766	812
165°	1877	1887	1866	1861	1874	530
175°	1930	1940	1914	1904	1910	184
180°	1926	1926	1926	1926	1926	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1057.5	1057.5	1057.5	1057.5	1057.5
2.5°	1052.1	1062.7	1053.3	1054.6	1056.9
5°	1048.5	1061.7	1049.3	1047.9	1055.3
7.5°	1040.4	1052.4	1039.5	1036.5	1043.1
10°	1032.0	1045.2	1030.5	1026.8	1030.5
12.5°	1017.0	1030.8	1019.1	1013.0	1016.1
15°	996.7	1005.5	996.7	990.7	990.7
17.5°	971.9	981.2	964.5	960.3	958.7
20°	953.9	962.0	944.1	938.1	935.9
22.5°	929.8	937.3	922.5	912.2	909.4
25°	896.8	899.7	885.5	873.4	869.8
27.5°	863.6	864.3	844.8	830.1	825.3
30°	836.0	836.7	814.2	798.3	794.6
32.5°	808.3	806.1	784.7	765.9	763.4
35°	769.9	762.5	741.3	719.4	715.0
37.5°	723.4	719.0	694.0	672.1	665.5
40°	694.0	686.7	661.0	639.0	632.4
42.5°	664.6	656.0	629.7	605.4	598.2
45°	618.9	609.3	583.6	555.6	547.5
47.5°	572.9	562.5	534.2	507.1	498.1
50°	542.3	531.3	501.7	475.2	465.7
52.5°	511.0	499.4	469.9	442.8	435.0
55°	464.2	451.7	422.9	395.7	388.3
57.5°	417.3	405.0	376.3	350.6	341.7
60°	386.1	374.3	346.3	320.5	311.7
62.5°	354.2	343.0	315.6	290.5	282.3
65°	307.9	296.9	271.1	246.9	239.6
67.5°	262.1	252.7	227.3	205.1	199.2
70°	232.1	223.3	199.0	178.6	172.7
72.5°	203.2	193.8	170.8	153.4	149.3
75°	159.2	150.4	132.2	118.6	116.4
77.5°	119.0	111.8	96.0	88.3	87.1
80°	93.1	86.5	74.4	69.1	69.1
82.5°	69.1	63.7	55.7	53.5	53.5
85°	36.1	33.1	31.5	31.5	31.5
87.5°	10.8	10.8	10.2	9.9	9.6
90°	0.0	0.0	0.0	1.4	0.0
92.5°	22.1	8.4	7.0	8.4	8.1
95°	81.3	14.6	18.9	20.3	20.3
97.5°	163.7	160.6	22.1	26.4	26.7
100°	226.4	233.5	23.2	27.6	29.0
102.5°	296.1	302.1	43.0	28.8	30.2
105°	407.9	413.5	419.5	30.5	31.9
107.5°	519.0	523.3	527.2	474.5	177.7
110°	592.2	596.4	598.0	612.6	615.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	660.7	666.1	668.8	681.1	686.2
115°	764.9	770.6	772.2	783.9	788.1
117.5°	863.9	869.9	872.6	882.0	888.9
120°	928.9	936.0	937.6	949.4	955.0
122.5°	992.8	1001.0	1000.3	1011.0	1018.9
125°	1087.1	1094.2	1091.5	1103.3	1110.3
127.5°	1176.8	1181.1	1175.1	1189.4	1195.4
130°	1233.7	1238.0	1230.8	1244.0	1251.1
132.5°	1286.0	1292.5	1284.2	1296.3	1303.4
135°	1365.8	1372.9	1361.4	1371.8	1380.3
137.5°	1436.9	1445.4	1431.7	1443.8	1451.1
140°	1483.4	1491.9	1474.7	1487.9	1496.4
142.5°	1526.3	1537.1	1516.5	1528.6	1538.2
145°	1589.3	1599.3	1579.2	1589.5	1598.0
147.5°	1649.1	1657.6	1638.4	1645.8	1651.7
150°	1685.1	1693.6	1672.1	1679.5	1686.6
152.5°	1714.1	1726.1	1704.6	1709.7	1720.2
155°	1760.6	1774.8	1750.4	1755.0	1766.4
157.5°	1803.3	1816.0	1791.7	1795.7	1805.6
160°	1828.8	1841.6	1817.2	1818.9	1828.8
162.5°	1848.5	1860.2	1839.3	1836.3	1848.5
165°	1876.7	1886.6	1866.5	1861.0	1873.8
167.5°	1900.2	1911.6	1886.9	1882.3	1896.7
170°	1913.0	1924.3	1898.5	1891.6	1907.2
172.5°	1921.1	1931.3	1906.6	1897.3	1909.5
175°	1930.4	1940.3	1914.4	1904.4	1910.1
177.5°	1933.0	1941.0	1920.2	1911.3	1924.9
180°	1926.1	1926.1	1926.1	1926.1	1926.1

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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	11.26	11.96	12.37	13.07	14.59	10.18	10.89	11.29	11.99	13.51
	3H	12.91	13.54	14.03	14.65	16.19	11.58	12.21	12.70	13.32	14.86
	4H	13.54	14.13	14.66	15.25	16.79	12.09	12.69	13.22	13.80	15.35
	6H	13.91	14.46	15.05	15.58	17.13	12.40	12.95	13.54	14.07	15.62
	8H	14.04	14.57	15.18	15.70	17.25	12.52	13.04	13.66	14.17	15.72
	12H	14.11	14.60	15.25	15.73	17.30	12.59	13.09	13.73	14.21	15.78
4H	2H	11.65	12.25	12.78	13.36	14.90	10.79	11.39	11.92	12.50	14.04
	3H	13.52	14.02	14.66	15.16	16.72	12.39	12.89	13.53	14.03	15.59
	4H	14.26	14.72	15.41	15.85	17.43	12.99	13.45	14.13	14.58	16.15
	6H	14.76	15.15	15.91	16.30	17.87	13.40	13.79	14.54	14.94	16.51
	8H	14.94	15.31	16.09	16.45	18.04	13.56	13.93	14.71	15.07	16.65
	12H	15.04	15.37	16.20	16.52	18.11	13.66	13.99	14.82	15.15	16.73
8H	4H	14.38	14.75	15.53	15.89	17.47	13.24	13.61	14.39	14.75	16.33
	6H	14.99	15.30	16.16	16.48	18.06	13.76	14.07	14.93	15.25	16.83
	8H	15.27	15.53	16.44	16.69	18.30	14.01	14.28	15.19	15.44	17.04
	12H	15.43	15.66	16.60	16.82	18.45	14.18	14.42	15.36	15.58	17.21
12H	4H	14.35	14.68	15.51	15.83	17.42	13.24	13.57	14.40	14.72	16.31
	6H	15.01	15.27	16.18	16.44	18.04	13.82	14.08	14.99	15.25	16.85
	8H	15.30	15.53	16.48	16.69	18.33	14.09	14.33	15.27	15.49	17.12