

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: P1439553

Luminaire Tested: CB3-D-055U-120D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439553
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-055U-120D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

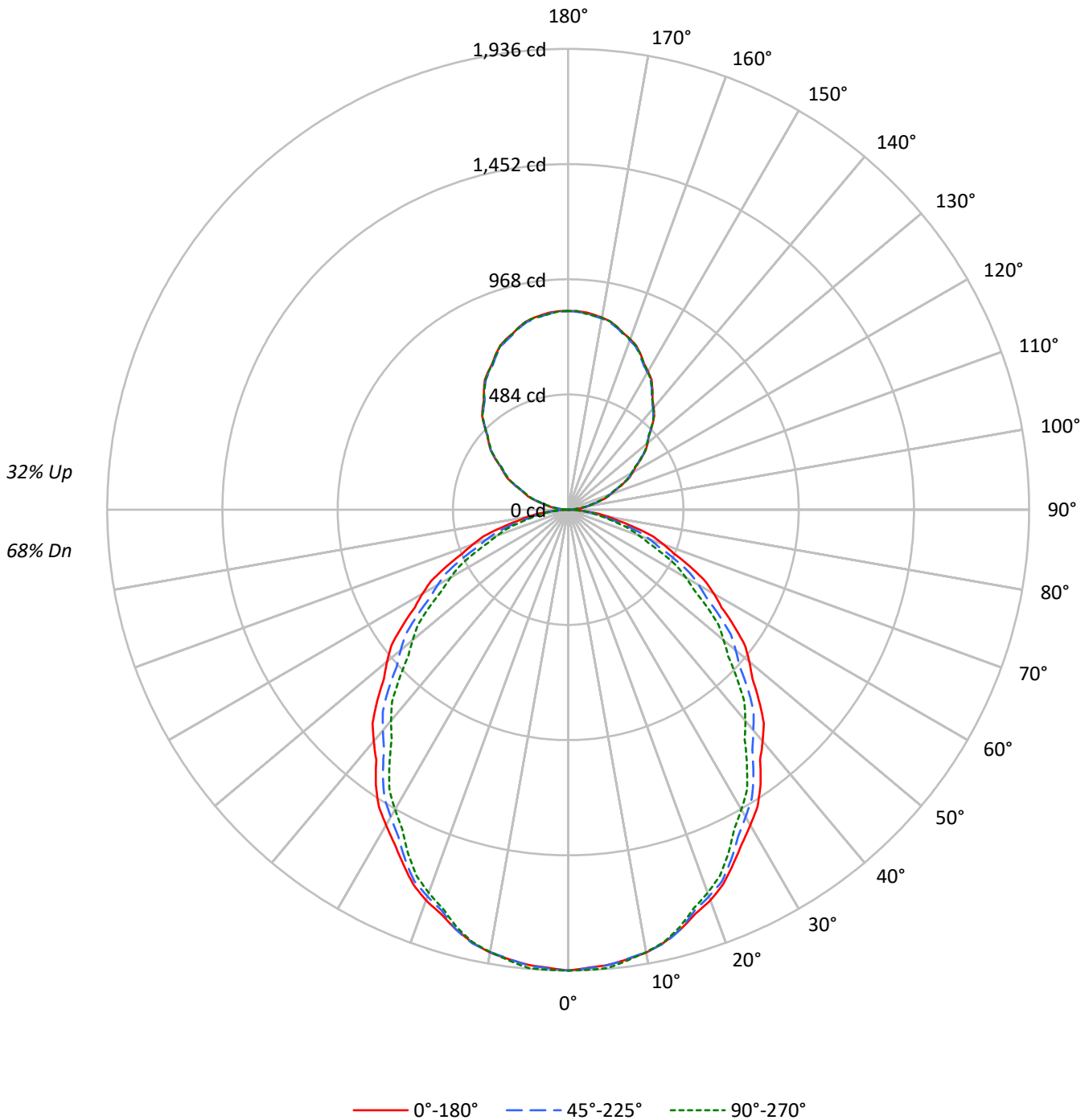
Lumens per Lamp: N/A
Luminaire Lumens: 6785.2 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 54.1
Input Voltage (V): 120
Input Current (Ain): 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	50	30	10	50	30	10	0																
RCR																																														
0	111	111	111	111	105	105	105	105	93	93	93	83	83	83	73	73	73	68																												
1	102	98	94	90	96	92	89	86	82	80	77	73	71	70	65	63	62	58																												
2	93	86	79	74	88	81	76	71	73	68	65	65	61	59	57	55	53	49																												
3	85	76	68	62	80	72	65	60	64	59	55	57	53	50	51	48	45	42																												
4	78	67	59	53	73	64	56	51	57	51	47	51	47	43	46	42	39	36																												
5	72	60	52	46	68	57	50	44	51	45	41	46	41	37	41	37	34	31																												
6	66	54	46	40	63	51	44	38	47	40	36	42	37	33	38	34	30	28																												
7	62	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27	25																												
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	32	27	24	22																												
9	53	41	33	28	50	39	32	27	36	30	25	32	27	24	29	25	22	20																												
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	27	23	20	18																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21906	21906	21906
5°	21802	21818	21950
10°	21708	21675	21675
15°	21375	21375	21246
20°	21028	20814	20623
25°	20490	20233	19872
30°	19989	19468	19002
35°	19462	18741	18076
40°	18761	17867	17095
45°	18125	17091	16035
50°	17470	16164	15002
55°	16758	15266	14020
60°	15990	14340	12910
65°	15089	13285	11740
70°	14053	12052	10460
75°	12739	10575	9316
80°	11109	8868	8242
85°	8568	7491	7491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.7	2.7
10°-20°	513.2	7.6
20°-30°	745.5	11.0
30°-40°	847.5	12.5
40°-50°	822.7	12.1
50°-60°	694.6	10.2
60°-70°	494.2	7.3
70°-80°	264.1	3.9
80°-90°	69.8	1.0
90°-100°	35.3	0.5
100°-110°	138.0	2.0
110°-120°	245.9	3.6
120°-130°	332.8	4.9
130°-140°	382.6	5.6
140°-150°	383.9	5.7
150°-160°	330.2	4.9
160°-170°	223.5	3.3
170°-180°	78.8	1.2
0°-30°	1441.4	21.2
0°-40°	2288.9	33.7
0°-60°	3806.2	56.1
0°-90°	4634.1	68.3
90°-120°	419.2	6.2
90°-150°	1518.5	22.4
90°-180°	2151.0	31.7
0°-180°	6785.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1936	1936	1936	1936	1936	
5°	1920	1944	1921	1919	1933	182
15°	1825	1841	1825	1814	1814	514
25°	1641	1647	1621	1599	1592	756
35°	1409	1396	1357	1317	1309	878
45°	1133	1115	1068	1017	1002	874
55°	850	827	774	724	711	760
65°	564	543	496	452	438	558
75°	291	275	242	217	213	311
85°	66	61	58	58	58	78
90°	0	0	0	0	0	4
95°	34	31	28	26	26	39
105°	134	133	129	127	125	143
115°	251	252	246	246	245	249
125°	374	378	370	369	370	334
135°	498	503	495	491	496	384
145°	617	622	612	609	614	385
155°	720	726	714	711	719	331
165°	795	802	791	787	795	224
175°	833	840	829	824	827	79
180°	834	834	834	834	834	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1936.1	1936.1	1936.1	1936.1	1936.1
2.5°	1926.2	1945.6	1928.4	1930.7	1935.0
5°	1919.6	1943.8	1921.0	1918.6	1932.6
7.5°	1904.8	1926.8	1903.1	1897.6	1909.7
10°	1889.4	1913.6	1886.6	1879.9	1886.6
12.5°	1861.9	1887.2	1865.7	1854.6	1860.3
15°	1824.8	1840.9	1824.8	1813.8	1813.8
17.5°	1779.4	1796.4	1766.0	1758.2	1755.1
20°	1746.4	1761.2	1728.6	1717.5	1712.8
22.5°	1702.4	1716.2	1689.0	1669.6	1664.4
25°	1641.3	1646.7	1620.7	1598.6	1591.8
27.5°	1580.6	1581.9	1546.2	1519.3	1510.5
30°	1530.0	1531.3	1490.1	1461.1	1454.4
32.5°	1479.4	1475.4	1436.2	1401.8	1397.2
35°	1409.0	1395.6	1356.8	1316.7	1308.7
37.5°	1324.1	1316.0	1270.2	1230.0	1217.9
40°	1270.2	1256.7	1209.7	1169.5	1157.4
42.5°	1216.3	1200.7	1152.5	1107.9	1094.8
45°	1132.7	1115.2	1068.1	1016.9	1002.1
47.5°	1048.6	1029.5	977.6	928.1	911.7
50°	992.5	972.3	918.3	869.7	852.3
52.5°	935.3	914.1	860.0	810.4	796.2
55°	849.5	826.7	773.9	724.1	710.7
57.5°	763.7	741.2	688.7	641.6	625.5
60°	706.6	685.1	633.7	586.6	570.5
62.5°	648.3	627.8	577.6	531.6	516.6
65°	563.6	543.4	496.2	452.0	438.5
67.5°	479.7	462.5	416.0	375.3	364.6
70°	424.8	408.6	364.3	326.9	316.2
72.5°	372.0	354.8	312.6	280.8	273.3
75°	291.4	275.3	241.9	217.1	213.1
77.5°	217.7	204.6	175.7	161.6	159.5
80°	170.5	158.4	136.1	126.5	126.5
82.5°	126.5	116.5	102.0	97.9	97.9
85°	66.0	60.6	57.7	57.7	57.7
87.5°	19.8	19.8	18.7	17.6	17.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.2	8.2	5.1	4.1	4.1
95°	33.9	30.8	27.5	25.6	26.2
97.5°	62.6	59.6	55.5	53.6	54.1
100°	82.6	80.1	75.5	73.6	73.6
102.5°	102.0	100.5	96.0	94.1	94.6
105°	133.7	133.1	128.6	126.7	125.4
107.5°	168.8	167.7	162.7	162.5	161.4
110°	191.3	190.7	186.2	185.6	184.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	214.4	215.3	210.3	209.6	209.0
115°	250.9	252.1	246.4	245.7	245.1
117.5°	288.2	290.0	283.9	283.2	282.1
120°	312.3	316.0	308.5	307.8	307.2
122.5°	336.9	340.1	333.0	331.9	331.7
125°	373.7	378.1	370.5	369.3	369.9
127.5°	410.6	415.1	408.0	405.5	406.9
130°	435.2	440.2	432.6	430.1	432.0
132.5°	460.3	465.3	457.7	455.2	458.1
135°	497.9	502.9	494.7	491.0	496.0
137.5°	534.6	539.0	530.0	527.4	532.7
140°	558.7	563.1	553.6	550.5	556.8
142.5°	582.2	587.1	576.6	573.5	580.3
145°	616.9	621.9	611.8	608.7	614.4
147.5°	650.2	655.3	645.1	641.5	647.2
150°	670.7	676.3	665.5	662.5	668.7
152.5°	690.6	696.8	685.5	682.0	689.7
155°	719.9	726.2	714.2	711.2	718.7
157.5°	746.3	752.1	741.2	738.1	744.6
160°	762.2	768.4	757.1	754.0	761.5
162.5°	776.0	782.3	771.9	767.9	775.4
165°	794.8	801.7	791.0	786.7	794.8
167.5°	810.6	817.9	806.6	802.7	810.8
170°	819.8	826.7	815.3	810.4	818.5
172.5°	825.9	832.8	821.4	816.4	822.1
175°	832.6	840.1	828.7	823.7	826.8
177.5°	835.5	841.5	832.4	828.0	835.0
180°	834.5	834.5	834.5	834.5	834.5



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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	19.42	20.45	20.20	21.26	22.24	18.34	19.38	19.12	20.18	21.17
	3H	21.10	22.03	21.89	22.84	23.86	19.77	20.70	20.56	21.51	22.53
	4H	21.73	22.61	22.55	23.44	24.46	20.29	21.17	21.11	21.99	23.02
	6H	22.13	22.94	22.96	23.77	24.81	20.62	21.43	21.45	22.26	23.30
	8H	22.27	23.04	23.11	23.89	24.93	20.75	21.52	21.58	22.37	23.41
	12H	22.34	23.08	23.19	23.92	24.99	20.83	21.56	21.67	22.41	23.47
4H	2H	19.85	20.72	20.67	21.55	22.57	18.99	19.86	19.81	20.69	21.71
	3H	21.75	22.48	22.58	23.34	24.38	20.62	21.35	21.45	22.21	23.25
	4H	22.51	23.17	23.35	24.03	25.10	21.24	21.90	22.08	22.76	23.82
	6H	23.02	23.59	23.88	24.47	25.55	21.66	22.23	22.52	23.11	24.18
	8H	23.21	23.75	24.08	24.63	25.71	21.83	22.37	22.70	23.24	24.33
	12H	23.32	23.80	24.20	24.70	25.79	21.95	22.43	22.83	23.32	24.41
8H	4H	22.65	23.19	23.51	24.06	25.15	21.51	22.05	22.38	22.92	24.01
	6H	23.28	23.72	24.17	24.64	25.72	22.05	22.49	22.94	23.41	24.49
	8H	23.55	23.95	24.46	24.86	25.96	22.30	22.69	23.20	23.60	24.71
	12H	23.73	24.07	24.63	24.97	26.13	22.48	22.83	23.39	23.73	24.89
12H	4H	22.63	23.11	23.52	24.01	25.10	21.52	22.00	22.41	22.90	23.99
	6H	23.29	23.69	24.20	24.60	25.70	22.10	22.50	23.01	23.41	24.51
	8H	23.60	23.95	24.51	24.85	26.01	22.40	22.74	23.30	23.64	24.80