

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: P1439557

Luminaire Tested: CB3-D-055U-120D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439557
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-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

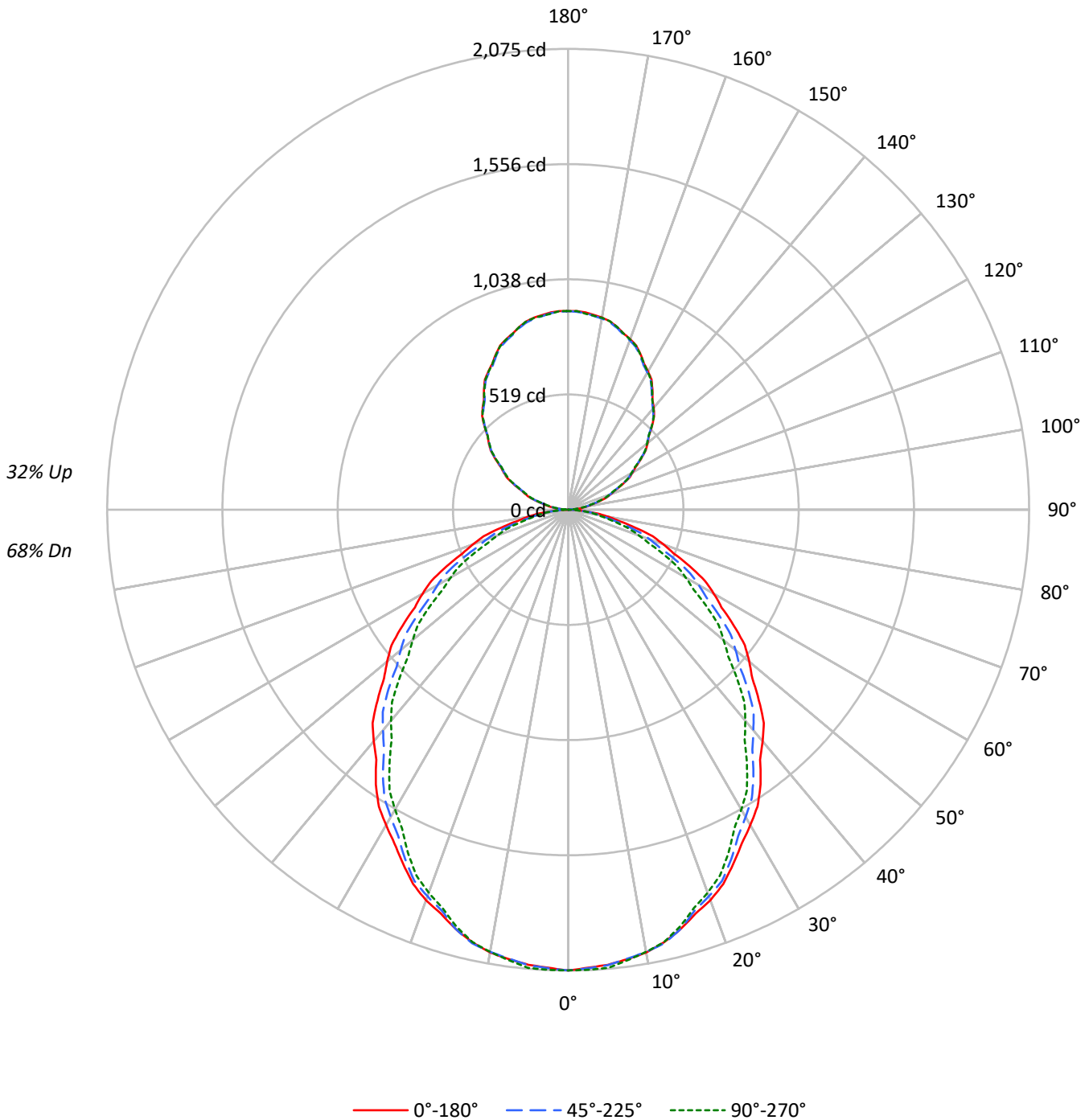
Lumens per Lamp: N/A
Luminaire Lumens: 7270.4 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

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	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°	23473	23473	23473
5°	23362	23379	23521
10°	23260	23226	23226
15°	22904	22904	22766
20°	22532	22302	22098
25°	21956	21680	21294
30°	21419	20861	20360
35°	20854	20081	19369
40°	20102	19145	18318
45°	19421	18313	17182
50°	18720	17319	16074
55°	17957	16359	15022
60°	17133	15365	13833
65°	16168	14235	12580
70°	15055	12912	11208
75°	13653	11331	9980
80°	11898	9500	8829
85°	9178	8036	8036

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19421 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.7	2.7
10°-20°	549.9	7.6
20°-30°	798.8	11.0
30°-40°	908.1	12.5
40°-50°	881.5	12.1
50°-60°	744.3	10.2
60°-70°	529.5	7.3
70°-80°	282.9	3.9
80°-90°	74.8	1.0
90°-100°	37.8	0.5
100°-110°	147.8	2.0
110°-120°	263.5	3.6
120°-130°	356.6	4.9
130°-140°	410.0	5.6
140°-150°	411.4	5.7
150°-160°	353.8	4.9
160°-170°	239.5	3.3
170°-180°	84.5	1.2
0°-30°	1544.5	21.2
0°-40°	2452.6	33.7
0°-60°	4078.4	56.1
0°-90°	4965.6	68.3
90°-120°	449.1	6.2
90°-150°	1627.1	22.4
90°-180°	2305.0	31.7
0°-180°	7270.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2075	2075	2075	2075	2075	
5°	2057	2083	2058	2056	2071	195
15°	1955	1973	1955	1944	1944	551
25°	1759	1764	1737	1713	1706	810
35°	1510	1495	1454	1411	1402	941
45°	1214	1195	1144	1090	1074	936
55°	910	886	829	776	762	814
65°	604	582	532	484	470	598
75°	312	295	259	233	228	333
85°	71	65	62	62	62	84
90°	0	0	0	0	0	4
95°	36	33	30	27	28	41
105°	143	143	138	136	134	153
115°	269	270	264	263	263	266
125°	400	405	397	396	396	358
135°	534	539	530	526	531	411
145°	661	666	656	652	658	413
155°	771	778	765	762	770	355
165°	852	859	848	843	852	240
175°	892	900	888	883	886	85
180°	894	894	894	894	894	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2074.6	2074.6	2074.6	2074.6	2074.6
2.5°	2064.0	2084.7	2066.4	2068.8	2073.4
5°	2056.9	2082.9	2058.4	2055.8	2070.9
7.5°	2041.0	2064.6	2039.3	2033.4	2046.3
10°	2024.5	2050.5	2021.6	2014.4	2021.6
12.5°	1995.1	2022.1	1999.2	1987.3	1993.3
15°	1955.3	1972.6	1955.3	1943.5	1943.5
17.5°	1906.7	1924.8	1892.3	1883.9	1880.6
20°	1871.3	1887.2	1852.2	1840.3	1835.3
22.5°	1824.2	1838.9	1809.8	1789.1	1783.5
25°	1758.7	1764.5	1736.6	1712.9	1705.7
27.5°	1693.6	1695.0	1656.8	1628.0	1618.5
30°	1639.4	1640.8	1596.7	1565.6	1558.4
32.5°	1585.2	1580.9	1538.9	1502.0	1497.1
35°	1509.8	1495.4	1453.8	1410.9	1402.3
37.5°	1418.8	1410.1	1361.0	1318.0	1305.0
40°	1361.0	1346.6	1296.2	1253.2	1240.2
42.5°	1303.3	1286.6	1234.9	1187.2	1173.1
45°	1213.7	1195.0	1144.5	1089.6	1073.8
47.5°	1123.6	1103.1	1047.6	994.4	976.9
50°	1063.5	1041.9	983.9	932.0	913.2
52.5°	1002.2	979.4	921.5	868.4	853.1
55°	910.3	885.8	829.3	775.9	761.5
57.5°	818.4	794.2	738.0	687.5	670.2
60°	757.1	734.1	679.0	628.6	611.3
62.5°	694.6	672.8	618.9	569.7	553.5
65°	603.9	582.3	531.7	484.3	469.9
67.5°	514.1	495.6	445.7	402.1	390.6
70°	455.1	437.9	390.3	350.3	338.8
72.5°	398.6	380.1	335.0	300.9	292.8
75°	312.3	295.0	259.2	232.6	228.3
77.5°	233.3	219.2	188.2	173.2	170.9
80°	182.6	169.7	145.8	135.5	135.5
82.5°	135.5	124.9	109.3	104.9	104.9
85°	70.7	64.9	61.9	61.9	61.9
87.5°	21.2	21.2	20.0	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.9	8.8	5.5	4.4	4.4
95°	36.3	33.0	29.5	27.4	28.1
97.5°	67.1	63.8	59.5	57.5	58.0
100°	88.5	85.8	80.9	78.9	78.9
102.5°	109.3	107.7	102.9	100.8	101.3
105°	143.3	142.6	137.8	135.7	134.4
107.5°	180.9	179.7	174.3	174.1	172.9
110°	205.0	204.4	199.5	198.8	198.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	229.7	230.7	225.3	224.6	224.0
115°	268.8	270.1	264.0	263.3	262.6
117.5°	308.8	310.7	304.2	303.5	302.3
120°	334.6	338.7	330.5	329.8	329.1
122.5°	361.0	364.4	356.8	355.6	355.5
125°	400.5	405.2	397.0	395.7	396.3
127.5°	440.0	444.8	437.2	434.5	436.0
130°	466.3	471.7	463.5	460.8	462.9
132.5°	493.2	498.5	490.4	487.8	490.8
135°	533.5	538.9	530.1	526.1	531.4
137.5°	572.8	577.5	567.9	565.2	570.8
140°	598.6	603.3	593.1	589.9	596.6
142.5°	623.9	629.1	617.8	614.6	621.8
145°	661.0	666.4	655.5	652.3	658.3
147.5°	696.7	702.2	691.2	687.4	693.5
150°	718.6	724.7	713.1	709.9	716.6
152.5°	740.0	746.6	734.5	730.8	739.1
155°	771.4	778.1	765.3	762.0	770.1
157.5°	799.7	805.9	794.2	790.9	797.9
160°	816.7	823.4	811.2	808.0	816.0
162.5°	831.5	838.2	827.1	822.8	830.8
165°	851.7	859.0	847.5	842.9	851.7
167.5°	868.5	876.4	864.3	860.1	868.8
170°	878.4	885.8	873.6	868.3	877.0
172.5°	885.0	892.4	880.2	874.8	880.9
175°	892.1	900.2	888.0	882.6	885.9
177.5°	895.3	901.7	892.0	887.2	894.7
180°	894.2	894.2	894.2	894.2	894.2



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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	19.66	20.69	20.44	21.50	22.48	18.58	19.62	19.36	20.42	21.41
	3H	21.34	22.27	22.13	23.08	24.10	20.00	20.94	20.80	21.75	22.76
	4H	21.97	22.85	22.79	23.68	24.70	20.53	21.41	21.35	22.23	23.26
	6H	22.37	23.18	23.20	24.01	25.05	20.86	21.67	21.69	22.50	23.54
	8H	22.51	23.28	23.35	24.13	25.17	20.99	21.76	21.82	22.61	23.65
	12H	22.58	23.32	23.43	24.16	25.23	21.07	21.80	21.91	22.64	23.71
4H	2H	20.09	20.96	20.91	21.79	22.81	19.23	20.10	20.05	20.93	21.95
	3H	21.99	22.72	22.82	23.58	24.62	20.86	21.59	21.69	22.45	23.49
	4H	22.75	23.41	23.59	24.27	25.34	21.48	22.14	22.32	23.00	24.06
	6H	23.26	23.83	24.12	24.71	25.79	21.90	22.47	22.76	23.35	24.42
	8H	23.45	23.99	24.32	24.87	25.95	22.07	22.61	22.94	23.48	24.57
	12H	23.56	24.04	24.44	24.94	26.03	22.19	22.67	23.07	23.56	24.65
8H	4H	22.89	23.43	23.75	24.30	25.39	21.75	22.29	22.61	23.16	24.25
	6H	23.52	23.96	24.41	24.88	25.96	22.29	22.73	23.18	23.65	24.73
	8H	23.79	24.19	24.70	25.10	26.20	22.54	22.93	23.44	23.84	24.95
	12H	23.97	24.31	24.87	25.21	26.37	22.72	23.07	23.63	23.97	25.13
12H	4H	22.87	23.35	23.76	24.25	25.34	21.76	22.24	22.65	23.14	24.23
	6H	23.53	23.93	24.44	24.84	25.94	22.34	22.74	23.25	23.65	24.75
	8H	23.84	24.19	24.75	25.09	26.25	22.63	22.98	23.54	23.88	25.04