

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: P1439040

Luminaire Tested: CB2-D-055U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439040
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-055U-120D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

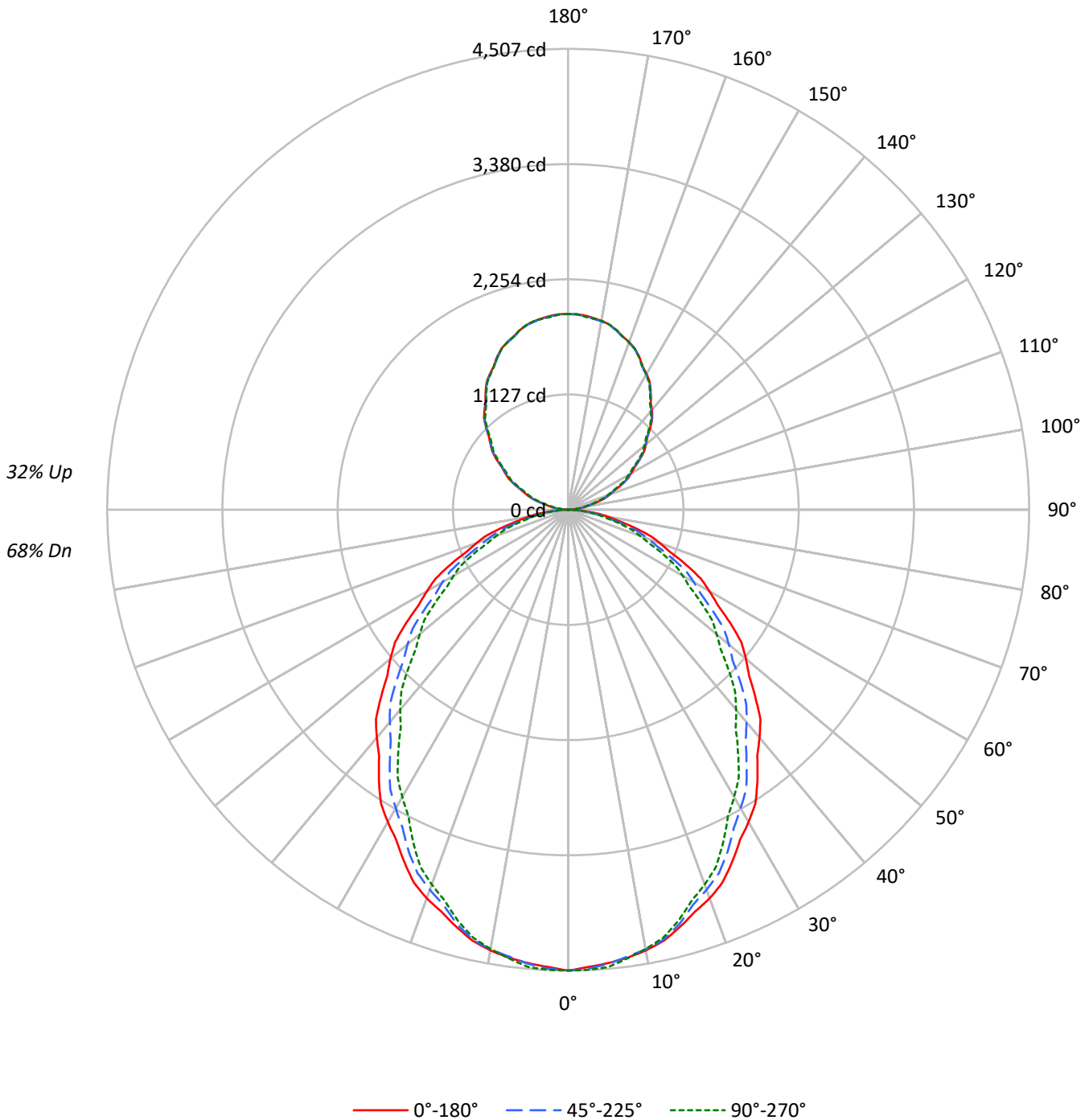
Lumens per Lamp: N/A
Luminaire Lumens: 15389.9 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 126.3
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				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	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	58	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	74	64	57	51	57	52	47	51	47	43	46	42	39	36
5	72	60	52	46	68	57	50	44	52	45	41	46	41	37	41	37	34	32
6	66	54	46	40	63	52	44	39	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	35	30	27	25
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	32	28	24	22
9	54	41	33	28	51	39	32	27	36	30	26	33	27	24	29	25	22	20
10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39253	39253	39253
5°	38920	38980	39251
10°	38699	38607	38577
15°	38086	37837	37526
20°	37485	36654	36143
25°	36479	35451	34456
30°	35469	33907	32623
35°	34306	32325	30784
40°	33075	30839	29034
45°	31837	29286	27330
50°	30721	27774	25670
55°	29344	26200	24105
60°	27772	24706	22542
65°	26100	23042	20979
70°	24253	21177	18982
75°	22063	19162	17187
80°	19729	16791	15577
85°	15178	13789	11381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31837 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.9	2.8
10°-20°	1181.5	7.7
20°-30°	1698.9	11.0
30°-40°	1909.5	12.4
40°-50°	1844.6	12.0
50°-60°	1558.5	10.1
60°-70°	1119.4	7.3
70°-80°	611.8	4.0
80°-90°	162.6	1.1
90°-100°	73.9	0.5
100°-110°	304.8	2.0
110°-120°	553.4	3.6
120°-130°	753.0	4.9
130°-140°	869.2	5.6
140°-150°	875.9	5.7
150°-160°	755.9	4.9
160°-170°	512.3	3.3
170°-180°	180.7	1.2
0°-30°	3304.2	21.5
0°-40°	5213.7	33.9
0°-60°	8616.8	56.0
0°-90°	10510.7	68.3
90°-120°	932.1	6.1
90°-150°	3430.2	22.3
90°-180°	4879.0	31.7
0°-180°	15389.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4507	4507	4507	4507	4507	
5°	4452	4513	4459	4460	4490	423
15°	4224	4261	4197	4155	4162	1191
25°	3796	3800	3689	3606	3586	1748
35°	3227	3190	3040	2923	2896	2016
45°	2585	2531	2378	2253	2219	1997
55°	1933	1862	1726	1618	1588	1728
65°	1267	1219	1118	1038	1018	1256
75°	656	615	570	524	511	701
85°	152	142	138	121	114	181
90°	0	0	2	0	2	9
95°	72	63	60	46	46	83
105°	302	297	290	273	270	320
115°	573	572	561	545	543	566
125°	852	861	843	825	827	761
135°	1136	1149	1130	1109	1116	875
145°	1407	1423	1401	1385	1395	879
155°	1646	1662	1639	1628	1642	757
165°	1819	1838	1815	1805	1821	512
175°	1906	1926	1901	1889	1894	181
180°	1913	1913	1913	1913	1913	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4507.3	4507.3	4507.3	4507.3	4507.3
2.5°	4476.9	4530.9	4490.7	4496.4	4504.5
5°	4452.1	4512.8	4459.0	4459.7	4490.0
7.5°	4420.3	4477.7	4410.0	4397.5	4425.9
10°	4376.2	4433.5	4365.8	4342.1	4362.4
12.5°	4318.2	4372.8	4307.8	4270.3	4287.8
15°	4224.3	4261.4	4196.7	4155.4	4162.2
17.5°	4122.1	4145.1	4051.7	4017.1	4010.3
20°	4044.8	4065.1	3955.1	3906.6	3899.9
22.5°	3945.4	3963.0	3847.4	3787.9	3778.4
25°	3796.4	3799.7	3689.4	3606.1	3585.8
27.5°	3640.4	3629.6	3507.1	3408.5	3382.2
30°	3527.2	3513.7	3371.8	3267.8	3244.2
32.5°	3405.7	3381.4	3239.3	3127.0	3103.3
35°	3226.9	3189.8	3040.5	2922.6	2895.6
37.5°	3036.4	2994.5	2848.0	2719.6	2689.2
40°	2909.4	2862.1	2712.7	2584.3	2553.9
42.5°	2782.4	2729.7	2577.4	2448.9	2415.9
45°	2585.0	2531.0	2377.9	2252.9	2219.1
47.5°	2397.2	2328.4	2179.8	2055.5	2021.7
50°	2267.5	2193.2	2050.0	1928.5	1894.7
52.5°	2134.9	2058.0	1920.3	1804.2	1770.5
55°	1932.7	1861.8	1725.6	1617.9	1587.6
57.5°	1732.5	1664.4	1539.9	1437.1	1407.4
60°	1594.5	1537.1	1418.5	1321.2	1294.2
62.5°	1461.9	1410.0	1297.0	1208.0	1181.0
65°	1266.6	1219.4	1118.2	1038.4	1018.1
67.5°	1076.8	1029.5	947.7	876.1	853.1
70°	952.5	905.3	831.7	765.7	745.5
72.5°	833.8	783.9	724.1	663.7	648.8
75°	655.7	615.2	569.5	524.3	510.8
77.5°	498.4	459.2	425.9	394.1	390.7
80°	393.4	359.7	334.8	314.0	310.6
82.5°	294.0	268.4	251.9	236.7	236.1
85°	151.9	141.7	138.0	120.6	113.9
87.5°	44.2	44.2	39.0	33.1	33.4
90°	0.0	0.0	1.5	0.0	1.5
92.5°	17.9	15.6	14.6	9.6	11.0
95°	71.6	62.9	59.7	46.3	46.3
97.5°	135.2	126.5	121.8	108.0	105.1
100°	180.6	171.8	167.1	152.2	149.2
102.5°	227.1	223.0	214.9	198.7	195.8
105°	301.5	297.1	289.5	273.0	270.1
107.5°	377.9	378.7	367.4	353.9	349.8
110°	432.8	431.3	422.3	408.8	405.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	488.9	486.3	477.2	463.8	460.8
115°	573.1	571.6	561.1	544.7	543.2
117.5°	653.0	657.7	645.3	628.0	627.4
120°	710.4	716.2	701.4	686.4	683.5
122.5°	766.5	773.5	758.7	741.4	742.0
125°	852.1	860.9	843.2	825.3	826.8
127.5°	934.8	945.6	929.1	911.0	912.7
130°	990.9	1004.0	986.4	967.1	970.0
132.5°	1048.2	1061.4	1043.7	1023.3	1028.5
135°	1135.7	1148.8	1129.7	1109.0	1116.3
137.5°	1218.0	1231.2	1210.3	1192.9	1201.6
140°	1273.0	1286.1	1264.0	1247.8	1256.5
142.5°	1326.7	1342.2	1318.9	1301.6	1312.7
145°	1407.3	1423.3	1401.3	1385.1	1395.3
147.5°	1483.7	1499.7	1477.4	1461.8	1472.3
150°	1532.6	1548.7	1525.2	1512.0	1523.7
152.5°	1578.0	1596.4	1571.7	1558.6	1573.8
155°	1646.0	1662.1	1638.6	1628.4	1641.6
157.5°	1705.1	1723.8	1700.4	1691.7	1702.2
160°	1744.5	1762.1	1738.6	1729.9	1741.6
162.5°	1774.4	1793.1	1770.8	1761.0	1775.0
165°	1819.2	1838.1	1814.7	1804.6	1820.7
167.5°	1854.4	1874.5	1850.8	1840.4	1856.8
170°	1875.9	1894.8	1869.9	1858.4	1875.9
172.5°	1890.2	1910.3	1884.2	1872.6	1884.2
175°	1905.7	1926.1	1901.2	1889.4	1893.8
177.5°	1913.2	1929.5	1909.6	1899.2	1913.2
180°	1913.2	1913.2	1913.2	1913.2	1913.2



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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	21.30	22.33	22.08	23.14	24.12	20.20	21.23	20.98	22.04	23.02
	3H	22.95	23.88	23.75	24.70	25.71	21.74	22.67	22.54	23.48	24.50
	4H	23.59	24.47	24.41	25.29	26.32	22.32	23.20	23.13	24.02	25.04
	6H	24.00	24.81	24.83	25.64	26.68	22.70	23.51	23.53	24.34	25.38
	8H	24.16	24.93	24.99	25.78	26.82	22.84	23.61	23.68	24.46	25.50
	12H	24.24	24.97	25.08	25.81	26.88	22.91	23.65	23.76	24.49	25.56
4H	2H	21.73	22.60	22.55	23.43	24.45	20.85	21.73	21.67	22.55	23.58
	3H	23.61	24.34	24.44	25.20	26.24	22.60	23.33	23.43	24.19	25.23
	4H	24.36	25.03	25.21	25.88	26.95	23.28	23.95	24.13	24.80	25.87
	6H	24.89	25.47	25.75	26.35	27.42	23.77	24.34	24.63	25.22	26.30
	8H	25.10	25.64	25.97	26.51	27.60	23.96	24.50	24.83	25.37	26.46
	12H	25.22	25.70	26.10	26.59	27.69	24.06	24.54	24.94	25.44	26.53
8H	4H	24.53	25.07	25.40	25.95	27.03	23.57	24.11	24.43	24.98	26.07
	6H	25.18	25.63	26.07	26.54	27.63	24.18	24.63	25.07	25.54	26.63
	8H	25.47	25.87	26.38	26.78	27.88	24.46	24.85	25.36	25.76	26.87
	12H	25.66	26.00	26.56	26.91	28.06	24.62	24.96	25.52	25.86	27.02
12H	4H	24.52	25.01	25.41	25.90	26.99	23.58	24.07	24.47	24.96	26.05
	6H	25.21	25.61	26.11	26.52	27.62	24.25	24.64	25.15	25.55	26.65
	8H	25.54	25.89	26.44	26.79	27.94	24.56	24.91	25.47	25.81	26.96