

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: P1438696

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438696
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-055U-120D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

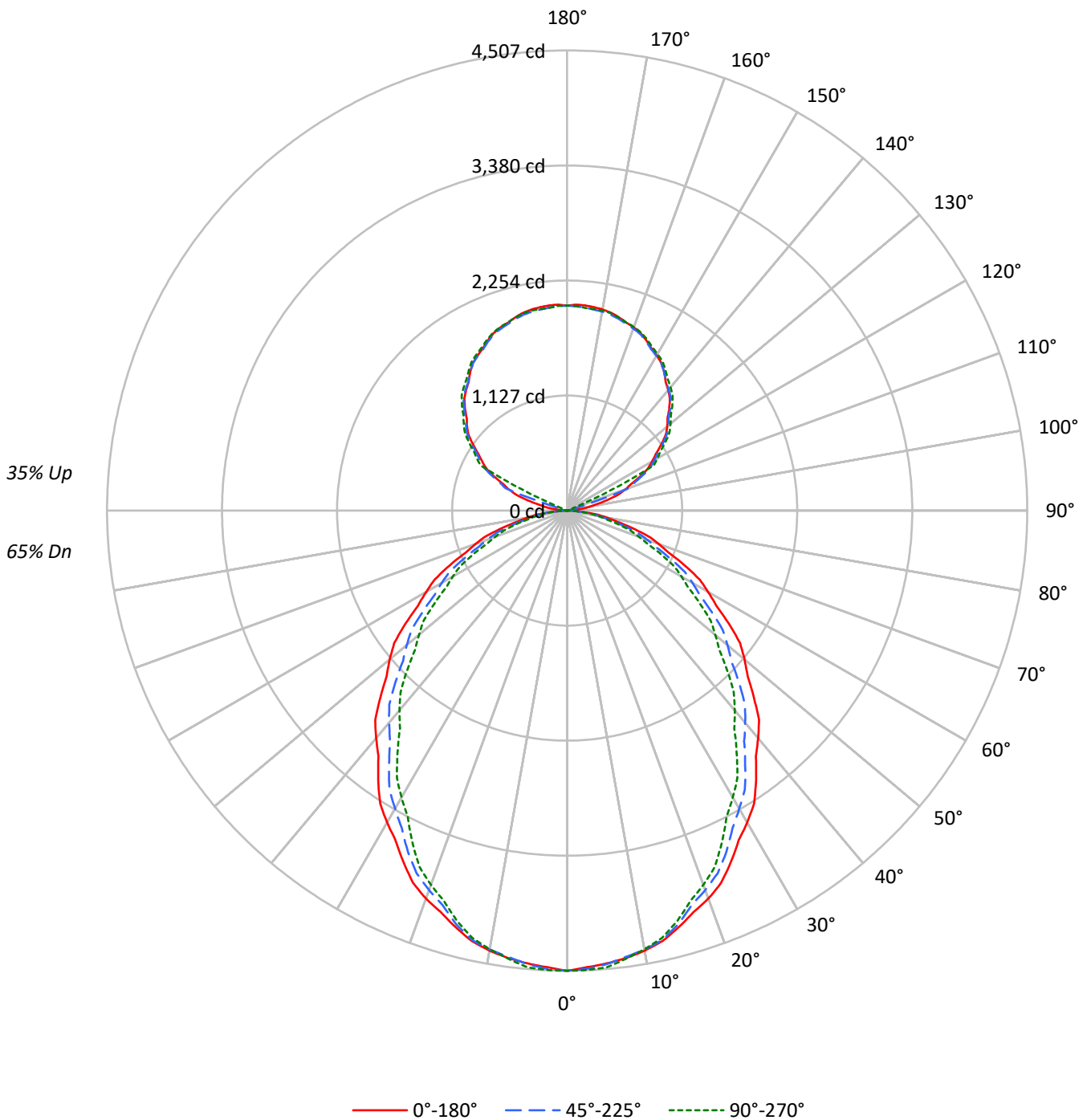
Lumens per Lamp: N/A
Luminaire Lumens: 16234.3 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

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	104	104	104	104	92	92	92	80	80	80	70	70	70	65
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	61	59	55
2	92	85	79	74	87	80	75	70	71	67	63	63	59	57	55	52	50	46
3	85	75	68	62	79	71	64	59	63	58	53	56	52	48	49	46	43	40
4	78	67	59	52	73	63	56	50	56	50	46	50	45	42	44	40	37	34
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	30
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	26
7	61	49	40	35	57	46	39	34	41	35	31	37	32	28	33	29	26	23
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	17

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	2.6
10°-20°	1181.5	7.3
20°-30°	1698.9	10.5
30°-40°	1909.5	11.8
40°-50°	1844.6	11.4
50°-60°	1558.5	9.6
60°-70°	1119.4	6.9
70°-80°	611.8	3.8
80°-90°	162.6	1.0
90°-100°	35.0	0.2
100°-110°	222.6	1.4
110°-120°	707.4	4.4
120°-130°	1026.6	6.3
130°-140°	1104.0	6.8
140°-150°	1039.5	6.4
150°-160°	846.8	5.2
160°-170°	551.2	3.4
170°-180°	190.5	1.2
0°-30°	3304.2	20.4
0°-40°	5213.7	32.1
0°-60°	8616.8	53.1
0°-90°	10510.7	64.7
90°-120°	965.0	5.9
90°-150°	4135.1	25.5
90°-180°	5724.0	35.3
0°-180°	16234.3	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	0	2	2	9
95°	80	23	25	16	14	101
105°	418	434	44	51	54	440
115°	791	808	816	825	473	778
125°	1123	1143	1144	1163	1179	1004
135°	1414	1431	1428	1437	1456	1090
145°	1655	1667	1656	1658	1679	1034
155°	1838	1849	1829	1825	1851	847
165°	1959	1965	1945	1937	1956	553
175°	2018	2022	1996	1983	1993	192
180°	2007	2007	2007	2007	2007	

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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	38.7	33.4	33.4
90°	0.0	0.0	0.0	1.5	1.5
92.5°	22.1	8.4	5.8	8.4	8.4
95°	79.8	23.1	24.7	15.9	14.5
97.5°	165.8	37.2	35.7	39.2	40.6
100°	230.8	76.1	39.2	45.0	46.4
102.5°	302.8	286.6	40.3	48.5	51.1
105°	418.0	433.6	43.5	50.9	53.7
107.5°	531.2	546.8	202.6	52.6	55.4
110°	606.7	622.3	641.5	53.8	56.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	677.5	696.5	711.2	119.7	58.9
115°	791.0	808.1	815.7	825.1	473.2
117.5°	891.2	912.2	920.8	937.1	953.0
120°	960.9	980.7	987.0	1003.3	1020.4
122.5°	1029.4	1047.0	1050.8	1069.5	1085.4
125°	1123.4	1143.3	1143.7	1163.0	1178.6
127.5°	1217.5	1234.5	1233.7	1248.0	1265.4
130°	1280.2	1291.5	1291.8	1303.8	1322.3
132.5°	1332.4	1348.3	1348.7	1358.4	1376.8
135°	1413.7	1430.7	1428.2	1437.3	1455.8
137.5°	1490.0	1506.5	1501.9	1509.6	1528.7
140°	1540.0	1554.2	1547.2	1555.0	1576.3
142.5°	1586.4	1600.6	1590.2	1596.8	1619.2
145°	1654.6	1667.4	1656.1	1658.0	1679.3
147.5°	1715.3	1727.8	1714.1	1716.0	1735.9
150°	1754.8	1766.1	1749.0	1750.9	1770.8
152.5°	1789.6	1799.8	1781.5	1781.2	1804.4
155°	1837.5	1848.9	1828.8	1825.0	1850.6
157.5°	1881.1	1891.6	1871.5	1868.7	1888.6
160°	1910.1	1917.2	1897.0	1893.1	1913.0
162.5°	1929.8	1938.1	1917.9	1911.7	1931.6
165°	1959.4	1965.1	1944.9	1936.7	1956.5
167.5°	1985.0	1991.5	1965.5	1958.2	1979.5
170°	2000.1	2004.3	1978.3	1968.6	1989.9
172.5°	2009.4	2012.5	1986.4	1975.4	1989.9
175°	2017.5	2021.8	1995.7	1982.9	1992.8
177.5°	2018.9	2021.2	2001.5	1990.3	2007.3
180°	2007.3	2007.3	2007.3	2007.3	2007.3



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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	21.02	22.01	21.84	22.85	23.90	19.92	20.91	20.74	21.75	22.80
	3H	22.67	23.56	23.51	24.42	25.49	21.45	22.35	22.29	23.20	24.27
	4H	23.31	24.15	24.16	25.01	26.09	22.03	22.88	22.88	23.74	24.82
	6H	23.72	24.49	24.58	25.36	26.46	22.41	23.19	23.28	24.06	25.15
	8H	23.87	24.61	24.74	25.49	26.59	22.56	23.30	23.43	24.18	25.28
	12H	23.95	24.65	24.82	25.53	26.65	22.62	23.33	23.50	24.21	25.33
4H	2H	21.44	22.28	22.30	23.14	24.23	20.57	21.41	21.42	22.27	23.35
	3H	23.32	24.03	24.19	24.92	26.02	22.31	23.02	23.18	23.91	25.01
	4H	24.07	24.71	24.95	25.60	26.73	22.99	23.63	23.87	24.52	25.65
	6H	24.60	25.15	25.50	26.07	27.19	23.48	24.03	24.37	24.94	26.07
	8H	24.81	25.33	25.71	26.23	27.37	23.67	24.18	24.57	25.09	26.23
	12H	24.92	25.39	25.84	26.31	27.46	23.76	24.23	24.68	25.15	26.30
8H	4H	24.24	24.76	25.14	25.66	26.81	23.28	23.79	24.17	24.70	25.84
	6H	24.89	25.32	25.81	26.26	27.41	23.89	24.31	24.81	25.26	26.40
	8H	25.18	25.56	26.11	26.50	27.66	24.16	24.54	25.10	25.48	26.64
	12H	25.36	25.69	26.30	26.63	27.84	24.32	24.65	25.26	25.59	26.79
12H	4H	24.23	24.69	25.14	25.62	26.77	23.29	23.75	24.20	24.68	25.82
	6H	24.92	25.30	25.85	26.24	27.40	23.95	24.33	24.89	25.27	26.43
	8H	25.24	25.57	26.18	26.51	27.72	24.26	24.60	25.20	25.53	26.74