

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: P1438668

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438668
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-055D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

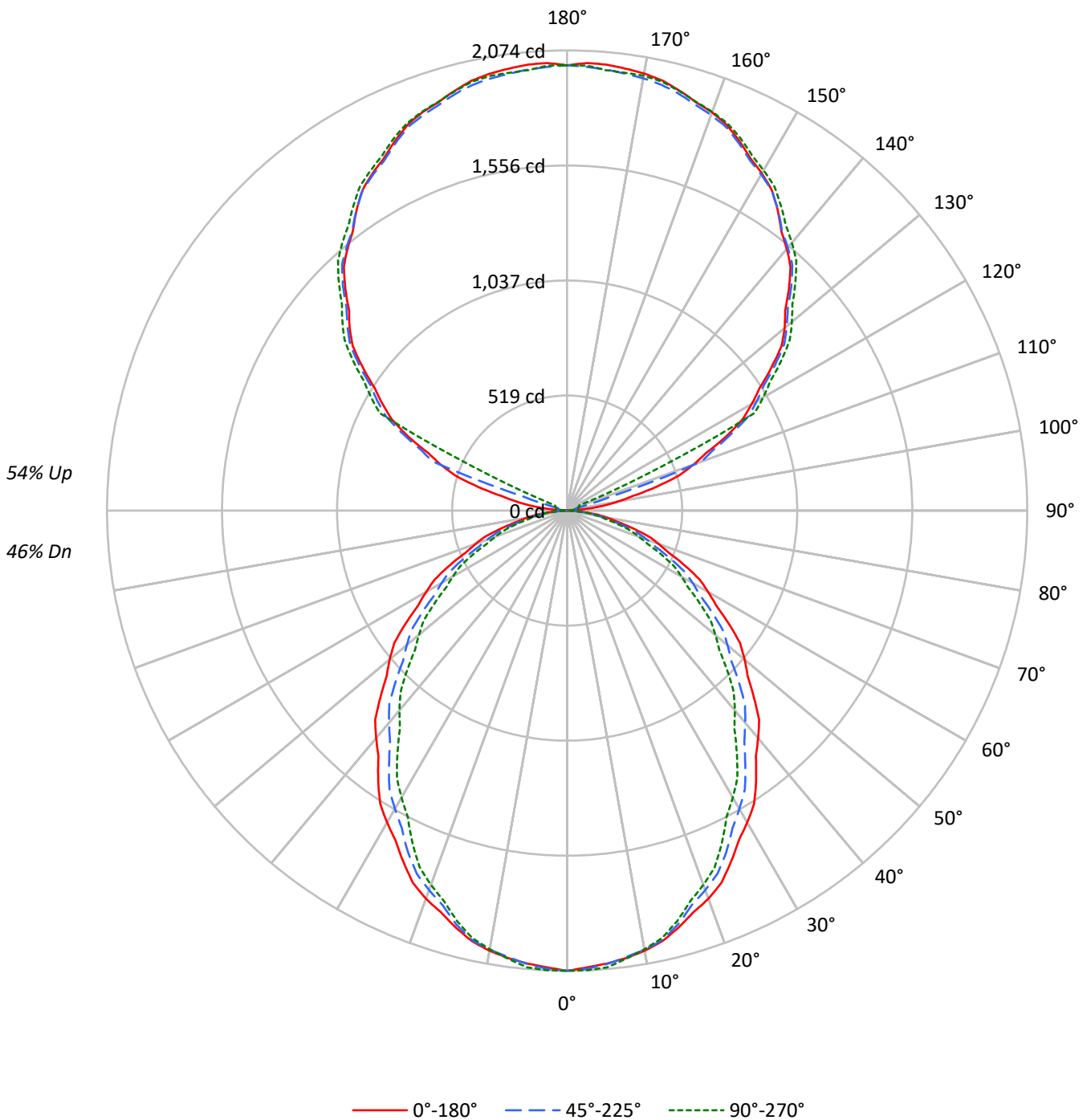
Lumens per Lamp: N/A
Luminaire Lumens: 10560.9 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 74.6
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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46					46			
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44					39				
2	88	81	75	70	81	75	70	65	63	59	56	51	49	46	41	39	38					33				
3	81	72	64	59	74	66	60	55	55	51	47	46	42	39	37	34	32					28				
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28					24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	29	30	27	24					21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22					19				
7	58	46	38	33	53	42	36	31	36	31	27	30	26	23	25	22	19					17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17					15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16					14				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14					12				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18064	18064	18064
5°	17911	17939	18064
10°	17810	17767	17753
15°	17528	17413	17270
20°	17252	16869	16633
25°	16789	16315	15858
30°	16324	15605	15013
35°	15789	14876	14167
40°	15222	14192	13362
45°	14652	13479	12578
50°	14138	12783	11814
55°	13505	12058	11093
60°	12781	11370	10374
65°	12012	10604	9656
70°	11163	9747	8736
75°	10155	8819	7911
80°	9082	7728	7167
85°	6984	6345	5236

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14652 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.1	1.8
10°-20°	543.8	5.1
20°-30°	781.9	7.4
30°-40°	878.8	8.3
40°-50°	848.9	8.0
50°-60°	717.2	6.8
60°-70°	515.2	4.9
70°-80°	281.6	2.7
80°-90°	74.9	0.7
90°-100°	35.0	0.3
100°-110°	222.6	2.1
110°-120°	707.4	6.7
120°-130°	1026.6	9.7
130°-140°	1104.0	10.5
140°-150°	1039.5	9.8
150°-160°	846.8	8.0
160°-170°	551.2	5.2
170°-180°	190.5	1.8
0°-30°	1520.7	14.4
0°-40°	2399.5	22.7
0°-60°	3965.6	37.6
0°-90°	4837.3	45.8
90°-120°	965.0	9.1
90°-150°	4135.1	39.2
90°-180°	5724.0	54.2
0°-180°	10560.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2074	2074	2074	2074	2074	
5°	2049	2077	2052	2052	2066	195
15°	1944	1961	1931	1912	1916	548
25°	1747	1749	1698	1660	1650	804
35°	1485	1468	1399	1345	1333	928
45°	1190	1165	1094	1037	1021	919
55°	890	857	794	745	731	795
65°	583	561	515	478	469	578
75°	302	283	262	241	235	323
85°	70	65	64	56	52	83
90°	0	0	0	2	2	6
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°	2074.3	2074.3	2074.3	2074.3	2074.3
2.5°	2060.4	2085.2	2066.7	2069.4	2073.1
5°	2048.9	2076.9	2052.1	2052.4	2066.4
7.5°	2034.3	2060.7	2029.6	2023.8	2036.9
10°	2014.0	2040.4	2009.2	1998.3	2007.6
12.5°	1987.3	2012.5	1982.5	1965.3	1973.3
15°	1944.1	1961.2	1931.4	1912.4	1915.5
17.5°	1897.1	1907.7	1864.7	1848.7	1845.6
20°	1861.5	1870.8	1820.2	1797.9	1794.8
22.5°	1815.8	1823.8	1770.7	1743.2	1738.9
25°	1747.2	1748.7	1697.9	1659.6	1650.3
27.5°	1675.4	1670.4	1614.1	1568.7	1556.6
30°	1623.3	1617.1	1551.8	1503.9	1493.0
32.5°	1567.4	1556.2	1490.8	1439.1	1428.2
35°	1485.1	1468.0	1399.3	1345.0	1332.6
37.5°	1397.4	1378.1	1310.7	1251.6	1237.6
40°	1339.0	1317.2	1248.4	1189.3	1175.4
42.5°	1280.5	1256.3	1186.2	1127.0	1111.8
45°	1189.7	1164.8	1094.4	1036.8	1021.3
47.5°	1103.2	1071.6	1003.2	946.0	930.4
50°	1043.5	1009.4	943.5	887.5	872.0
52.5°	982.5	947.1	883.7	830.3	814.8
55°	889.5	856.8	794.2	744.6	730.6
57.5°	797.3	766.0	708.7	661.4	647.7
60°	733.8	707.4	652.8	608.0	595.6
62.5°	672.8	648.9	596.9	555.9	543.5
65°	582.9	561.2	514.6	477.9	468.6
67.5°	495.6	473.8	436.2	403.2	392.6
70°	438.4	416.6	382.8	352.4	343.1
72.5°	383.7	360.8	333.2	305.4	298.6
75°	301.8	283.1	262.1	241.3	235.1
77.5°	229.4	211.3	196.0	181.4	179.8
80°	181.1	165.5	154.1	144.5	142.9
82.5°	135.3	123.5	115.9	109.0	108.6
85°	69.9	65.2	63.5	55.5	52.4
87.5°	20.3	20.3	17.8	15.5	15.5
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	16.65	17.47	17.65	18.47	19.80	15.55	16.37	16.55	17.37	18.70
	3H	18.29	19.02	19.30	20.04	21.39	17.08	17.81	18.08	18.82	20.17
	4H	18.92	19.61	19.94	20.63	21.99	17.65	18.34	18.67	19.36	20.72
	6H	19.32	19.96	20.35	20.98	22.35	18.02	18.65	19.05	19.68	21.05
	8H	19.47	20.07	20.50	21.11	22.48	18.16	18.76	19.19	19.80	21.17
	12H	19.54	20.12	20.58	21.15	22.54	18.22	18.79	19.26	19.82	21.22
4H	2H	17.06	17.75	18.08	18.76	20.12	16.18	16.87	17.21	17.89	19.25
	3H	18.92	19.50	19.95	20.54	21.92	17.91	18.49	18.95	19.53	20.91
	4H	19.67	20.19	20.71	21.23	22.63	18.58	19.11	19.62	20.15	21.54
	6H	20.18	20.64	21.23	21.70	23.09	19.06	19.51	20.11	20.57	21.96
	8H	20.39	20.81	21.44	21.86	23.27	19.25	19.67	20.30	20.72	22.13
	12H	20.49	20.87	21.56	21.94	23.35	19.33	19.71	20.40	20.78	22.19
8H	4H	19.82	20.24	20.87	21.29	22.70	18.85	19.28	19.91	20.33	21.74
	6H	20.46	20.81	21.53	21.90	23.31	19.46	19.81	20.53	20.90	22.31
	8H	20.75	21.06	21.83	22.13	23.56	19.73	20.04	20.81	21.12	22.54
	12H	20.92	21.19	22.01	22.26	23.73	19.88	20.15	20.96	21.22	22.69
12H	4H	19.80	20.18	20.87	21.25	22.66	18.86	19.24	19.92	20.31	21.72
	6H	20.49	20.79	21.57	21.87	23.30	19.52	19.83	20.60	20.91	22.33
	8H	20.80	21.07	21.89	22.15	23.61	19.82	20.09	20.91	21.17	22.63