

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: P1439188

Luminaire Tested: CB3-055U-055D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439188
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-055U-055D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

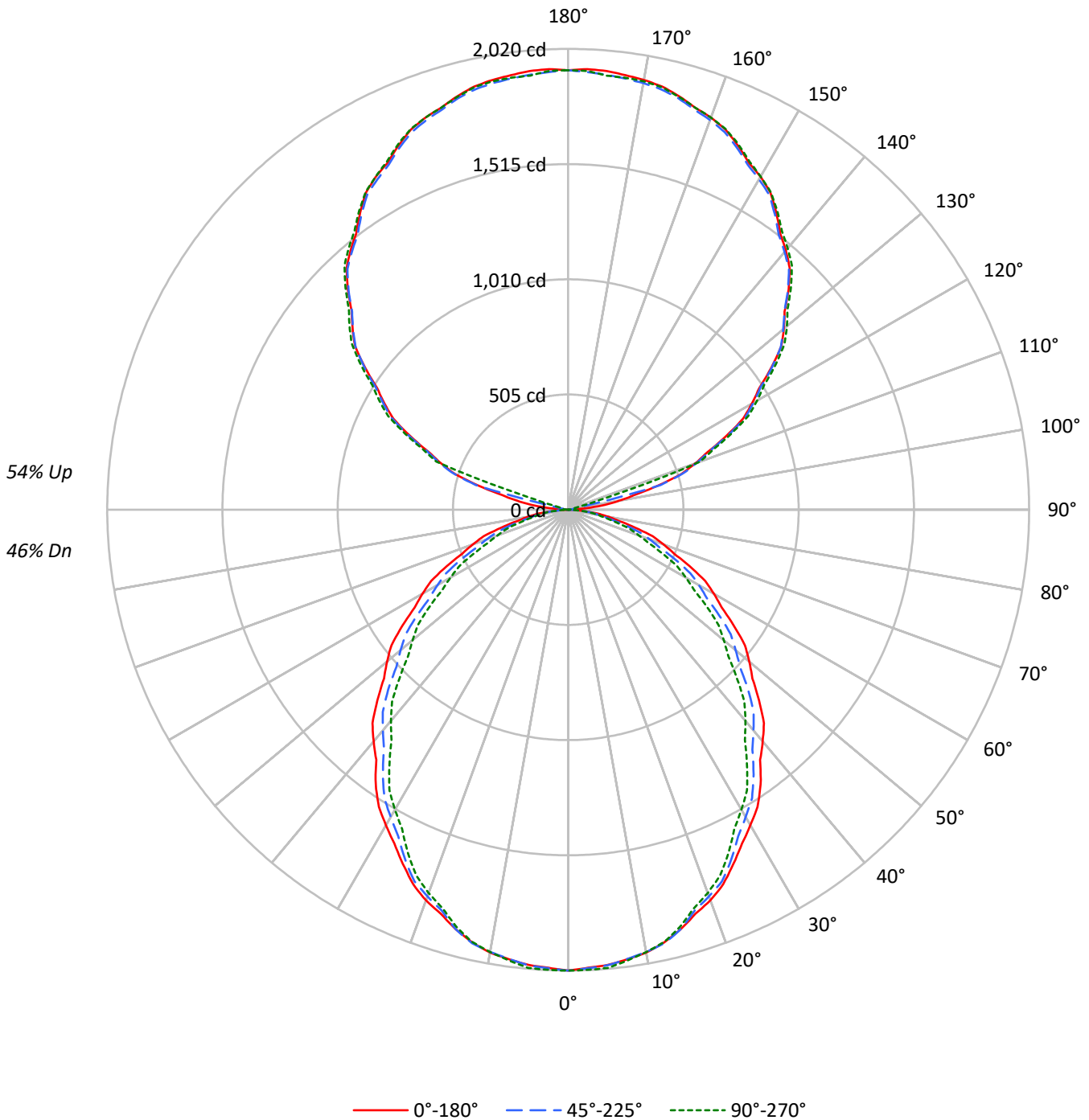
Lumens per Lamp: N/A
Luminaire Lumens: 10521.1 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 69.2
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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	47	46	45	39
2	88	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33
3	81	72	64	59	74	66	60	55	55	51	47	46	42	40	37	34	32	28
4	74	63	56	50	68	59	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	30	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	32	53	42	35	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	13
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°	11429	11429	11429
5°	11375	11383	11449
10°	11325	11309	11309
15°	11151	11151	11085
20°	10971	10858	10763
25°	10694	10560	10372
30°	10432	10161	9917
35°	10157	9781	9434
40°	9791	9325	8922
45°	9459	8920	8369
50°	9118	8436	7830
55°	8746	7967	7317
60°	8344	7485	6738
65°	7875	6934	6127
70°	7334	6289	5458
75°	6649	5519	4861
80°	5796	4626	4300
85°	4472	3914	3914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	1.8
10°-20°	535.5	5.1
20°-30°	778.0	7.4
30°-40°	884.6	8.4
40°-50°	858.7	8.2
50°-60°	725.0	6.9
60°-70°	515.8	4.9
70°-80°	275.6	2.6
80°-90°	72.9	0.7
90°-100°	44.5	0.4
100°-110°	322.1	3.1
110°-120°	765.8	7.3
120°-130°	978.4	9.3
130°-140°	1055.3	10.0
140°-150°	994.9	9.5
150°-160°	811.6	7.7
160°-170°	528.8	5.0
170°-180°	182.8	1.7
0°-30°	1504.2	14.3
0°-40°	2388.8	22.7
0°-60°	3972.5	37.8
0°-90°	4836.9	46.0
90°-120°	1132.4	10.8
90°-150°	4161.0	39.5
90°-180°	5684.0	54.0
0°-180°	10521.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2020	2020	2020	2020	2020	
5°	2003	2028	2004	2002	2016	190
15°	1904	1921	1904	1893	1893	536
25°	1713	1719	1692	1669	1662	789
35°	1471	1457	1416	1374	1366	916
45°	1182	1164	1115	1061	1046	912
55°	887	863	808	756	742	793
65°	588	567	518	472	458	583
75°	304	287	252	227	222	324
85°	69	63	60	60	60	82
90°	0	0	0	1	0	6
95°	81	15	19	20	20	100
105°	408	414	420	30	32	430
115°	765	771	772	784	788	755
125°	1087	1094	1092	1103	1110	970
135°	1366	1373	1361	1372	1380	1052
145°	1589	1599	1579	1590	1598	994
155°	1761	1775	1750	1755	1766	812
165°	1877	1887	1866	1861	1874	530
175°	1930	1940	1914	1904	1910	184
180°	1926	1926	1926	1926	1926	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2020.3	2020.3	2020.3	2020.3	2020.3
2.5°	2009.9	2030.1	2012.2	2014.6	2019.1
5°	2003.0	2028.3	2004.5	2001.9	2016.0
7.5°	1987.6	2010.6	1985.8	1980.1	1992.7
10°	1971.5	1996.7	1968.6	1961.6	1968.6
12.5°	1942.8	1969.2	1946.8	1935.2	1941.1
15°	1904.0	1920.9	1904.0	1892.6	1892.6
17.5°	1856.7	1874.4	1842.6	1834.5	1831.4
20°	1822.3	1837.7	1803.6	1792.0	1787.8
22.5°	1776.3	1790.7	1762.3	1742.6	1737.3
25°	1713.2	1718.8	1691.7	1668.6	1661.6
27.5°	1649.8	1651.2	1613.9	1585.9	1576.6
30°	1597.0	1598.4	1555.4	1525.1	1518.1
32.5°	1544.2	1540.0	1499.1	1463.1	1458.4
35°	1470.7	1456.7	1416.2	1374.4	1366.0
37.5°	1382.0	1373.6	1325.8	1283.9	1271.3
40°	1325.8	1311.8	1262.7	1220.8	1208.1
42.5°	1269.6	1253.3	1203.0	1156.5	1142.7
45°	1182.3	1164.1	1114.9	1061.4	1046.0
47.5°	1094.5	1074.6	1020.5	968.7	951.6
50°	1036.0	1014.9	958.5	907.8	889.6
52.5°	976.3	954.1	897.6	845.9	831.1
55°	886.7	862.9	807.8	755.8	741.8
57.5°	797.2	773.6	718.9	669.7	652.9
60°	737.5	715.1	661.5	612.3	595.5
62.5°	676.7	655.3	602.9	554.9	539.2
65°	588.3	567.2	518.0	471.7	457.7
67.5°	500.8	482.8	434.2	391.7	380.5
70°	443.4	426.5	380.2	341.2	330.0
72.5°	388.3	370.3	326.3	293.1	285.2
75°	304.2	287.4	252.5	226.6	222.4
77.5°	227.3	213.5	183.4	168.7	166.4
80°	177.9	165.3	142.0	132.0	132.0
82.5°	132.0	121.6	106.5	102.2	102.2
85°	68.9	63.3	60.3	60.3	60.3
87.5°	20.7	20.7	19.5	18.6	18.4
90°	0.0	0.0	0.0	1.4	0.0
92.5°	22.1	8.4	7.0	8.4	8.1
95°	81.3	14.6	18.9	20.3	20.3
97.5°	163.7	160.6	22.1	26.4	26.7
100°	226.4	233.5	23.2	27.6	29.0
102.5°	296.1	302.1	43.0	28.8	30.2
105°	407.9	413.5	419.5	30.5	31.9
107.5°	519.0	523.3	527.2	474.5	177.7
110°	592.2	596.4	598.0	612.6	615.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	660.7	666.1	668.8	681.1	686.2
115°	764.9	770.6	772.2	783.9	788.1
117.5°	863.9	869.9	872.6	882.0	888.9
120°	928.9	936.0	937.6	949.4	955.0
122.5°	992.8	1001.0	1000.3	1011.0	1018.9
125°	1087.1	1094.2	1091.5	1103.3	1110.3
127.5°	1176.8	1181.1	1175.1	1189.4	1195.4
130°	1233.7	1238.0	1230.8	1244.0	1251.1
132.5°	1286.0	1292.5	1284.2	1296.3	1303.4
135°	1365.8	1372.9	1361.4	1371.8	1380.3
137.5°	1436.9	1445.4	1431.7	1443.8	1451.1
140°	1483.4	1491.9	1474.7	1487.9	1496.4
142.5°	1526.3	1537.1	1516.5	1528.6	1538.2
145°	1589.3	1599.3	1579.2	1589.5	1598.0
147.5°	1649.1	1657.6	1638.4	1645.8	1651.7
150°	1685.1	1693.6	1672.1	1679.5	1686.6
152.5°	1714.1	1726.1	1704.6	1709.7	1720.2
155°	1760.6	1774.8	1750.4	1755.0	1766.4
157.5°	1803.3	1816.0	1791.7	1795.7	1805.6
160°	1828.8	1841.6	1817.2	1818.9	1828.8
162.5°	1848.5	1860.2	1839.3	1836.3	1848.5
165°	1876.7	1886.6	1866.5	1861.0	1873.8
167.5°	1900.2	1911.6	1886.9	1882.3	1896.7
170°	1913.0	1924.3	1898.5	1891.6	1907.2
172.5°	1921.1	1931.3	1906.6	1897.3	1909.5
175°	1930.4	1940.3	1914.4	1904.4	1910.1
177.5°	1933.0	1941.0	1920.2	1911.3	1924.9
180°	1926.1	1926.1	1926.1	1926.1	1926.1



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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	15.23	16.04	16.22	17.05	18.38	14.15	14.97	15.14	15.97	17.30
	3H	16.89	17.62	17.89	18.63	19.98	15.56	16.29	16.56	17.30	18.65
	4H	17.52	18.21	18.54	19.23	20.58	16.07	16.77	17.09	17.78	19.14
	6H	17.90	18.54	18.93	19.56	20.93	16.39	17.03	17.42	18.05	19.42
	8H	18.04	18.64	19.07	19.68	21.05	16.51	17.12	17.54	18.16	19.52
	12H	18.10	18.68	19.14	19.71	21.10	16.59	17.16	17.62	18.19	19.58
4H	2H	15.63	16.32	16.65	17.34	18.70	14.77	15.46	15.79	16.48	17.84
	3H	17.52	18.09	18.55	19.14	20.51	16.39	16.96	17.42	18.01	19.38
	4H	18.26	18.79	19.30	19.83	21.22	16.99	17.52	18.03	18.55	19.95
	6H	18.76	19.22	19.81	20.28	21.66	17.40	17.85	18.45	18.91	20.30
	8H	18.95	19.38	20.00	20.43	21.83	17.57	17.99	18.62	19.05	20.45
	12H	19.05	19.43	20.12	20.50	21.91	17.67	18.06	18.74	19.12	20.53
8H	4H	18.39	18.81	19.44	19.86	21.27	17.25	17.67	18.30	18.72	20.13
	6H	19.01	19.36	20.08	20.45	21.85	17.78	18.13	18.85	19.22	20.62
	8H	19.28	19.59	20.36	20.67	22.09	18.03	18.34	19.11	19.41	20.83
	12H	19.44	19.71	20.53	20.79	22.25	18.20	18.47	19.29	19.55	21.01
12H	4H	18.36	18.74	19.43	19.81	21.22	17.25	17.63	18.32	18.70	20.11
	6H	19.02	19.33	20.10	20.41	21.83	17.83	18.14	18.91	19.22	20.64
	8H	19.32	19.59	20.40	20.66	22.12	18.11	18.38	19.20	19.46	20.92