

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: P1439544

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439544  
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-055D-940-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

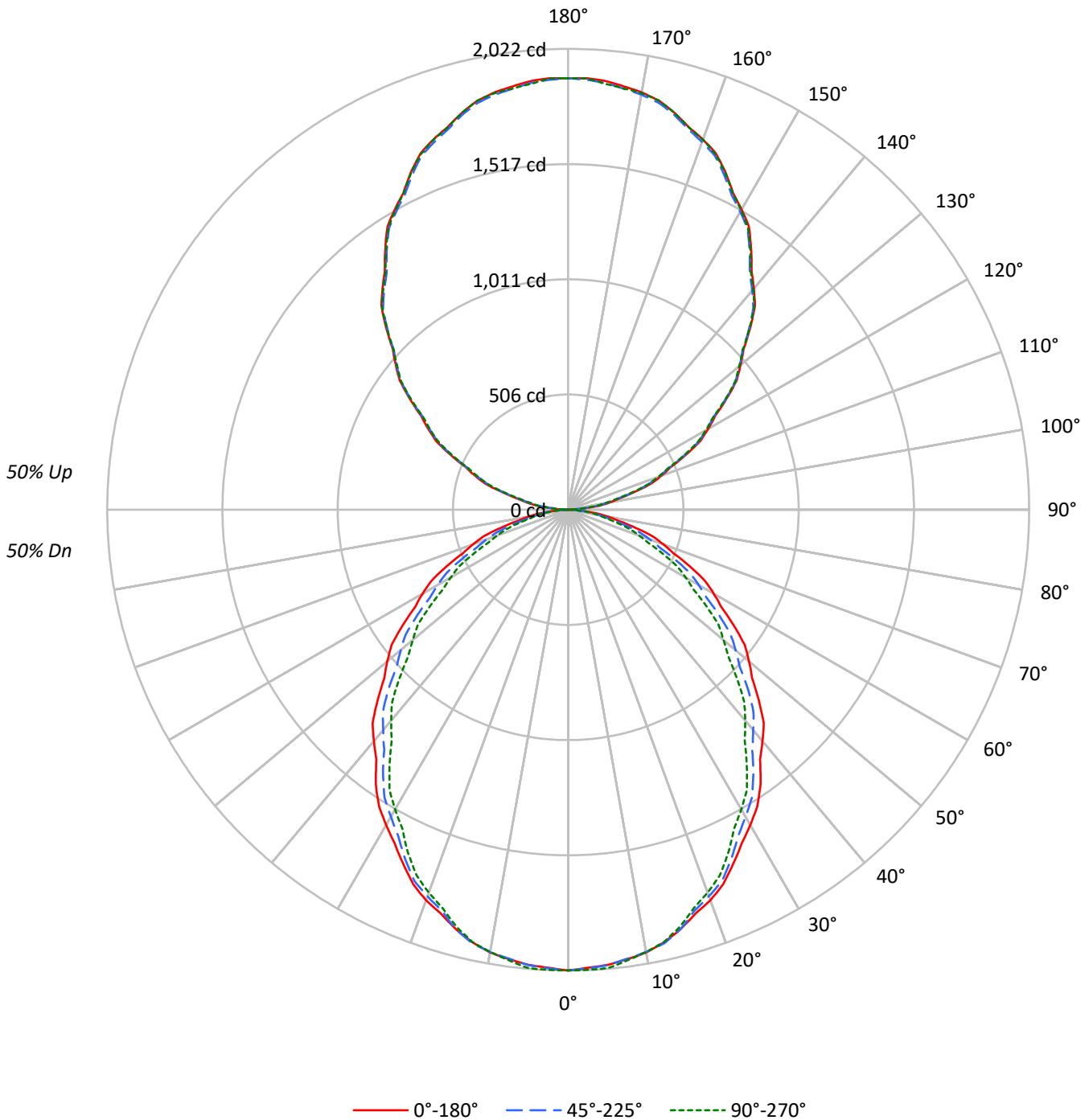
Lumens per Lamp: N/A  
Luminaire Lumens: 9716.1 lumens  
Efficiency: N/A  
Efficacy: 140.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 69.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50					50			
1	98	94	90	86	90	87	83	80	73	71	69	61	59	58	50	49	48	42					42			
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	40	36					36			
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	30					30			
4	75	64	56	50	69	59	53	47	51	45	41	43	39	36	35	32	30	26					26			
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	32	29	26	23					23			
6	63	51	43	37	58	48	41	35	41	35	31	35	30	27	29	26	23	20					20			
7	59	46	38	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18					18			
8	54	42	34	29	50	39	32	28	34	28	25	29	25	21	24	21	19	16					16			
9	51	38	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15					15			
10	47	35	28	23	44	33	27	22	29	23	20	25	20	18	21	18	15	13					13			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	11437	11437	11437
5°	11383	11391	11465
10°	11333	11317	11317
15°	11160	11160	11093
20°	10979	10867	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



TEST NUMBER: P1439544

CATALOG NUMBER: CB3-D-055U-055D-940-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.8	2.0
10°-20°	535.9	5.5
20°-30°	778.2	8.0
30°-40°	884.6	9.1
40°-50°	858.7	8.8
50°-60°	725.0	7.5
60°-70°	515.8	5.3
70°-80°	275.6	2.8
80°-90°	72.8	0.7
90°-100°	80.0	0.8
100°-110°	312.9	3.2
110°-120°	557.8	5.7
120°-130°	754.8	7.8
130°-140°	867.8	8.9
140°-150°	870.8	9.0
150°-160°	748.9	7.7
160°-170°	506.9	5.2
170°-180°	178.8	1.8
0°-30°	1504.9	15.5
0°-40°	2389.5	24.6
0°-60°	3973.2	40.9
0°-90°	4837.5	49.8
90°-120°	950.7	9.8
90°-150°	3444.1	35.4
90°-180°	4879.0	50.2
0°-180°	9716.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2022	2022	2022	2022	2022	
5°	2004	2030	2006	2003	2019	190
15°	1906	1922	1906	1894	1894	537
25°	1713	1719	1692	1669	1662	790
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	0	0	6
95°	77	70	62	58	60	88
105°	303	302	292	287	284	324
115°	569	572	559	557	556	564
125°	848	858	840	838	839	758
135°	1129	1141	1122	1114	1125	871
145°	1399	1410	1388	1381	1393	874
155°	1633	1647	1620	1613	1630	751
165°	1803	1818	1794	1784	1803	508
175°	1888	1905	1880	1868	1875	179
180°	1893	1893	1893	1893	1893	

TEST NUMBER: P1439544

CATALOG NUMBER: CB3-D-055U-055D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2021.7	2021.7	2021.7	2021.7	2021.7
2.5°	2011.4	2031.6	2013.7	2016.1	2020.6
5°	2004.5	2029.8	2005.9	2003.4	2018.9
7.5°	1989.0	2012.0	1987.3	1981.5	1994.2
10°	1972.9	1998.2	1970.1	1963.0	1970.1
12.5°	1944.2	1970.6	1948.3	1936.6	1942.5
15°	1905.5	1922.3	1905.5	1894.0	1894.0
17.5°	1858.1	1875.8	1844.1	1836.0	1832.6
20°	1823.7	1839.1	1805.1	1793.4	1787.8
22.5°	1777.8	1792.1	1763.7	1742.9	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	18.4	18.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	20.9	18.6	11.6	9.3	9.3
95°	76.9	69.8	62.4	58.1	59.5
97.5°	142.0	135.1	126.0	121.7	122.8
100°	187.2	181.6	171.3	166.9	166.9
102.5°	231.4	228.0	217.7	213.4	214.5
105°	303.3	301.9	291.7	287.3	284.5
107.5°	382.9	380.3	369.0	368.6	366.1
110°	434.0	432.6	422.4	420.9	419.5



TEST NUMBER: P1439544

CATALOG NUMBER: CB3-D-055U-055D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	486.2	488.2	476.9	475.5	474.0
115°	569.0	571.8	558.8	557.3	555.9
117.5°	653.7	657.7	643.9	642.3	639.8
120°	708.3	716.8	699.6	698.1	696.7
122.5°	764.0	771.4	755.3	752.7	752.4
125°	847.6	857.6	840.4	837.5	838.9
127.5°	931.2	941.5	925.4	919.7	922.8
130°	987.0	998.3	981.2	975.5	979.7
132.5°	1043.9	1055.2	1038.1	1032.4	1038.9
135°	1129.2	1140.6	1122.0	1113.5	1124.9
137.5°	1212.5	1222.5	1202.1	1196.3	1208.2
140°	1267.1	1277.0	1255.5	1248.6	1262.7
142.5°	1320.5	1331.6	1307.7	1300.8	1316.2
145°	1399.2	1410.5	1387.6	1380.6	1393.4
147.5°	1474.7	1486.3	1463.0	1454.9	1468.0
150°	1521.1	1533.9	1509.5	1502.6	1516.7
152.5°	1566.4	1580.3	1554.8	1546.8	1564.4
155°	1632.9	1647.1	1619.8	1612.9	1630.0
157.5°	1692.7	1705.7	1681.1	1674.1	1688.9
160°	1728.7	1742.9	1717.0	1710.2	1727.2
162.5°	1760.0	1774.2	1750.7	1741.5	1758.6
165°	1802.7	1818.3	1794.0	1784.2	1802.7
167.5°	1838.4	1855.1	1829.4	1820.5	1839.0
170°	1859.3	1874.9	1849.1	1837.9	1856.4
172.5°	1873.2	1888.8	1863.1	1851.7	1864.5
175°	1888.3	1905.3	1879.6	1868.2	1875.3
177.5°	1895.0	1908.6	1888.0	1877.9	1893.8
180°	1892.7	1892.7	1892.7	1892.7	1892.7



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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	15.59	16.44	16.55	17.42	18.69	14.51	15.36	15.48	16.34	17.61
	3H	17.26	18.02	18.23	19.00	20.30	15.93	16.69	16.90	17.67	18.97
	4H	17.89	18.61	18.87	19.60	20.90	16.44	17.16	17.43	18.15	19.46
	6H	18.27	18.94	19.27	19.93	21.25	16.76	17.42	17.76	18.42	19.73
	8H	18.41	19.04	19.41	20.05	21.36	16.88	17.51	17.89	18.52	19.84
	12H	18.48	19.08	19.48	20.08	21.42	16.96	17.56	17.97	18.56	19.90
4H	2H	16.00	16.72	16.99	17.71	19.01	15.14	15.86	16.13	16.85	18.15
	3H	17.89	18.49	18.89	19.50	20.82	16.76	17.36	17.76	18.37	19.69
	4H	18.64	19.18	19.65	20.19	21.54	17.36	17.91	18.37	18.92	20.27
	6H	19.14	19.61	20.16	20.64	21.98	17.78	18.25	18.80	19.28	20.62
	8H	19.33	19.77	20.35	20.79	22.15	17.95	18.39	18.97	19.41	20.77
	12H	19.43	19.82	20.47	20.86	22.22	18.05	18.45	19.09	19.49	20.85
8H	4H	18.76	19.20	19.79	20.23	21.59	17.63	18.07	18.65	19.09	20.45
	6H	19.38	19.75	20.43	20.81	22.17	18.15	18.52	19.20	19.58	20.94
	8H	19.66	19.98	20.71	21.03	22.40	18.41	18.73	19.46	19.78	21.15
	12H	19.82	20.10	20.88	21.15	22.57	18.58	18.86	19.64	19.91	21.33
12H	4H	18.74	19.13	19.78	20.18	21.54	17.63	18.02	18.67	19.07	20.43
	6H	19.40	19.72	20.45	20.77	22.14	18.21	18.53	19.26	19.58	20.96
	8H	19.70	19.98	20.76	21.03	22.44	18.49	18.77	19.55	19.82	21.24