

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: P1438666

Luminaire Tested: CB2-055U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438666  
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-935-1D-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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

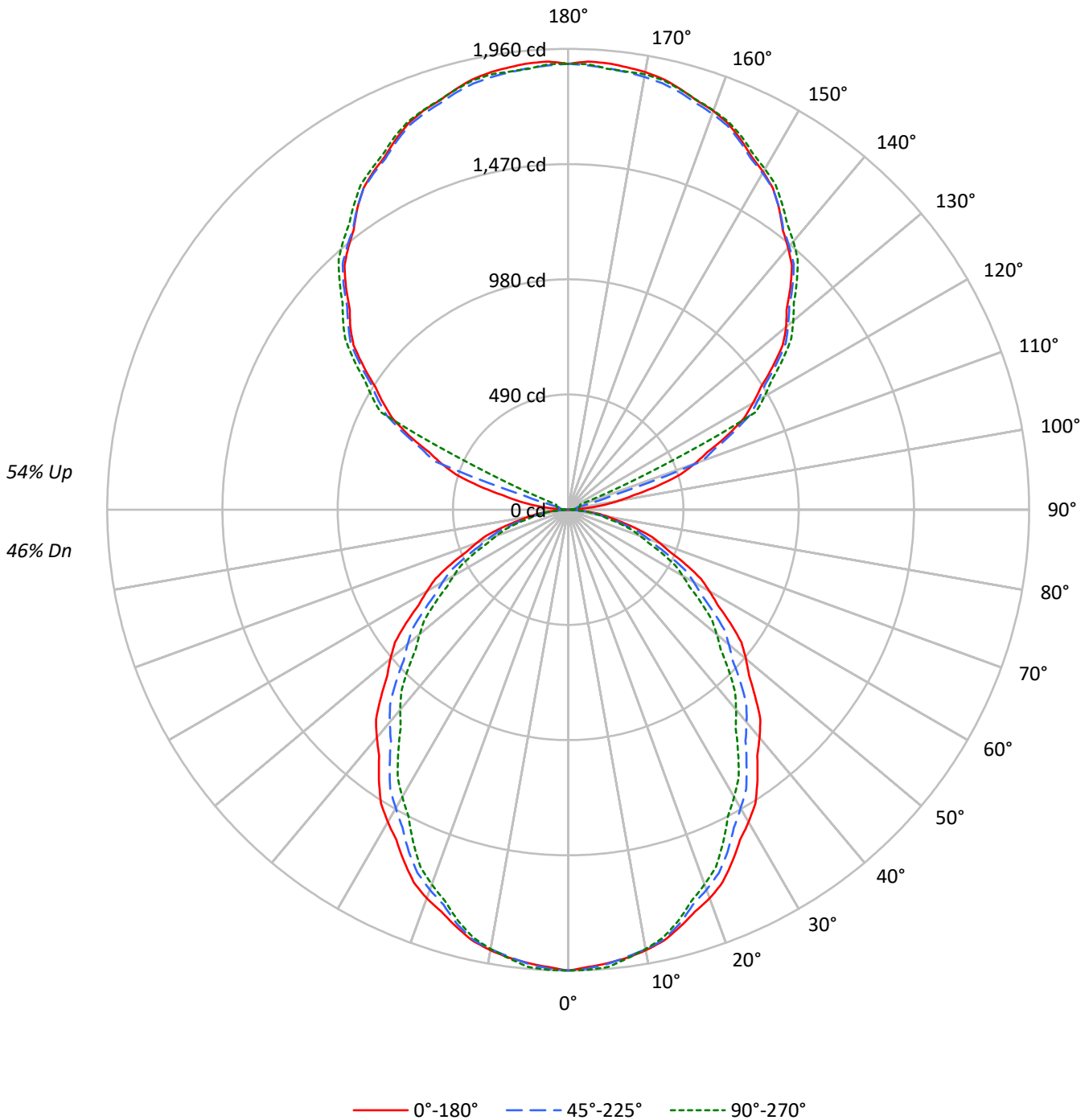
Lumens per Lamp: N/A  
Luminaire Lumens: 9978.8 lumens  
Efficiency: N/A  
Efficacy: 133.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 74.6  
Input Voltage (V): 120  
Input Current (A<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	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	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°	17069	17069	17069
5°	16924	16951	17069
10°	16828	16788	16775
15°	16562	16454	16318
20°	16301	15939	15717
25°	15863	15416	14983
30°	15424	14745	14186
35°	14918	14057	13387
40°	14383	13410	12626
45°	13844	12735	11885
50°	13359	12078	11162
55°	12760	11393	10482
60°	12077	10743	9802
65°	11350	10021	9122
70°	10547	9210	8255
75°	9593	8331	7473
80°	8581	7302	6775
85°	6595	5995	4946

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13844 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.3	1.8
10°-20°	513.8	5.1
20°-30°	738.8	7.4
30°-40°	830.3	8.3
40°-50°	802.1	8.0
50°-60°	677.7	6.8
60°-70°	486.8	4.9
70°-80°	266.1	2.7
80°-90°	70.8	0.7
90°-100°	33.1	0.3
100°-110°	210.4	2.1
110°-120°	668.4	6.7
120°-130°	970.0	9.7
130°-140°	1043.2	10.5
140°-150°	982.2	9.8
150°-160°	800.1	8.0
160°-170°	520.8	5.2
170°-180°	180.0	1.8
0°-30°	1436.9	14.4
0°-40°	2267.2	22.7
0°-60°	3747.0	37.5
0°-90°	4570.6	45.8
90°-120°	911.9	9.1
90°-150°	3907.2	39.2
90°-180°	5408.0	54.2
0°-180°	9978.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1960	1960	1960	1960	1960	
5°	1936	1962	1939	1939	1952	184
15°	1837	1853	1825	1807	1810	518
25°	1651	1652	1604	1568	1559	760
35°	1403	1387	1322	1271	1259	877
45°	1124	1101	1034	980	965	868
55°	840	810	750	704	690	751
65°	551	530	486	452	443	546
75°	285	268	248	228	222	305
85°	66	62	60	52	50	79
90°	0	0	0	1	1	5
95°	75	22	23	15	14	96
105°	395	410	41	48	51	416
115°	747	764	771	780	447	735
125°	1062	1080	1081	1099	1114	949
135°	1336	1352	1350	1358	1376	1030
145°	1563	1576	1565	1567	1587	977
155°	1736	1747	1728	1724	1749	800
165°	1851	1857	1838	1830	1849	523
175°	1906	1910	1886	1874	1883	181
180°	1897	1897	1897	1897	1897	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1960.0	1960.0	1960.0	1960.0	1960.0
2.5°	1946.8	1970.3	1952.8	1955.3	1958.8
5°	1936.0	1962.4	1939.0	1939.3	1952.5
7.5°	1922.2	1947.1	1917.7	1912.3	1924.6
10°	1903.0	1927.9	1898.5	1888.2	1897.0
12.5°	1877.8	1901.6	1873.3	1856.9	1864.6
15°	1837.0	1853.1	1825.0	1807.0	1809.9
17.5°	1792.5	1802.5	1761.9	1746.8	1743.9
20°	1758.9	1767.7	1719.9	1698.8	1695.9
22.5°	1715.7	1723.3	1673.1	1647.2	1643.1
25°	1650.9	1652.3	1604.3	1568.1	1559.3
27.5°	1583.0	1578.3	1525.1	1482.2	1470.8
30°	1533.8	1527.9	1466.3	1421.0	1410.7
32.5°	1481.0	1470.4	1408.6	1359.8	1349.5
35°	1403.2	1387.1	1322.2	1270.9	1259.2
37.5°	1320.4	1302.2	1238.4	1182.6	1169.4
40°	1265.2	1244.6	1179.6	1123.8	1110.6
42.5°	1209.9	1187.0	1120.8	1064.9	1050.5
45°	1124.1	1100.6	1034.0	979.7	965.0
47.5°	1042.4	1012.5	947.9	893.8	879.2
50°	986.0	953.7	891.5	838.6	823.9
52.5°	928.4	894.9	835.0	784.6	769.9
55°	840.4	809.6	750.4	703.6	690.4
57.5°	753.4	723.8	669.6	624.9	612.0
60°	693.4	668.4	616.8	574.5	562.8
62.5°	635.7	613.1	564.0	525.3	513.6
65°	550.8	530.2	486.3	451.5	442.7
67.5°	468.2	447.7	412.1	381.0	371.0
70°	414.2	393.7	361.7	333.0	324.2
72.5°	362.6	340.9	314.9	288.6	282.1
75°	285.1	267.5	247.6	228.0	222.1
77.5°	216.7	199.7	185.2	171.4	169.9
80°	171.1	156.4	145.6	136.5	135.1
82.5°	127.9	116.7	109.6	102.9	102.7
85°	66.0	61.6	60.0	52.5	49.5
87.5°	19.2	19.2	16.8	14.7	14.7
90°	0.0	0.0	0.0	1.4	1.4
92.5°	20.8	8.0	5.5	8.0	8.0
95°	75.4	21.8	23.3	15.1	13.7
97.5°	156.6	35.1	33.7	37.1	38.4
100°	218.1	71.9	37.0	42.5	43.9
102.5°	286.1	270.8	38.1	45.9	48.3
105°	395.0	409.7	41.1	48.1	50.7
107.5°	501.9	516.7	191.5	49.7	52.4
110°	573.3	588.0	606.2	50.8	53.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	640.2	658.2	672.0	113.1	55.7
115°	747.4	763.5	770.7	779.6	447.1
117.5°	842.1	861.9	870.0	885.5	900.5
120°	907.9	926.7	932.6	948.0	964.1
122.5°	972.6	989.3	992.9	1010.5	1025.6
125°	1061.5	1080.3	1080.7	1098.9	1113.6
127.5°	1150.4	1166.5	1165.7	1179.3	1195.6
130°	1209.6	1220.3	1220.6	1231.9	1249.4
132.5°	1259.0	1274.0	1274.3	1283.5	1300.9
135°	1335.8	1351.9	1349.5	1358.1	1375.6
137.5°	1407.9	1423.5	1419.2	1426.4	1444.4
140°	1455.1	1468.5	1462.0	1469.3	1489.4
142.5°	1499.0	1512.4	1502.6	1508.8	1530.0
145°	1563.4	1575.5	1564.8	1566.6	1586.8
147.5°	1620.8	1632.6	1619.7	1621.5	1640.2
150°	1658.1	1668.8	1652.6	1654.4	1673.2
152.5°	1691.0	1700.6	1683.3	1683.0	1705.0
155°	1736.2	1747.0	1728.0	1724.4	1748.6
157.5°	1777.4	1787.3	1768.3	1765.7	1784.5
160°	1804.8	1811.5	1792.5	1788.8	1807.6
162.5°	1823.5	1831.2	1812.2	1806.3	1825.1
165°	1851.4	1856.8	1837.7	1829.9	1848.7
167.5°	1875.6	1881.8	1857.2	1850.3	1870.4
170°	1889.8	1893.9	1869.3	1860.1	1880.2
172.5°	1898.6	1901.6	1877.0	1866.6	1880.2
175°	1906.3	1910.3	1885.7	1873.6	1883.0
177.5°	1907.7	1909.8	1891.2	1880.6	1896.7
180°	1896.7	1896.7	1896.7	1896.7	1896.7



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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	16.46	17.27	17.45	18.28	19.61	15.36	16.17	16.35	17.18	18.51
	3H	18.10	18.83	19.10	19.84	21.19	16.88	17.61	17.89	18.62	19.98
	4H	18.72	19.42	19.74	20.43	21.79	17.45	18.14	18.47	19.16	20.52
	6H	19.12	19.76	20.15	20.78	22.15	17.82	18.46	18.85	19.48	20.85
	8H	19.27	19.88	20.31	20.91	22.28	17.96	18.57	18.99	19.60	20.97
	12H	19.34	19.92	20.38	20.95	22.34	18.02	18.60	19.06	19.63	21.02
4H	2H	16.86	17.55	17.88	18.57	19.93	15.99	16.68	17.01	17.69	19.05
	3H	18.73	19.30	19.76	20.35	21.72	17.72	18.29	18.75	19.34	20.71
	4H	19.47	20.00	20.51	21.03	22.43	18.39	18.92	19.43	19.95	21.35
	6H	19.99	20.44	21.04	21.50	22.89	18.86	19.31	19.91	20.37	21.77
	8H	20.19	20.61	21.24	21.67	23.07	19.05	19.47	20.10	20.53	21.93
	12H	20.29	20.68	21.36	21.74	23.16	19.14	19.52	20.20	20.58	22.00
8H	4H	19.62	20.04	20.67	21.10	22.50	18.66	19.08	19.71	20.13	21.54
	6H	20.26	20.61	21.34	21.71	23.11	19.26	19.61	20.33	20.70	22.11
	8H	20.55	20.86	21.63	21.94	23.36	19.53	19.84	20.62	20.92	22.34
	12H	20.72	20.99	21.81	22.07	23.53	19.68	19.95	20.77	21.03	22.49
12H	4H	19.60	19.98	20.67	21.05	22.46	18.66	19.04	19.73	20.11	21.52
	6H	20.29	20.60	21.37	21.68	23.10	19.32	19.63	20.40	20.71	22.13
	8H	20.60	20.87	21.69	21.95	23.41	19.63	19.90	20.71	20.97	22.43