

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: P1439018

Luminaire Tested: CB2-D-055U-055D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439018  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-D-055U-055D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

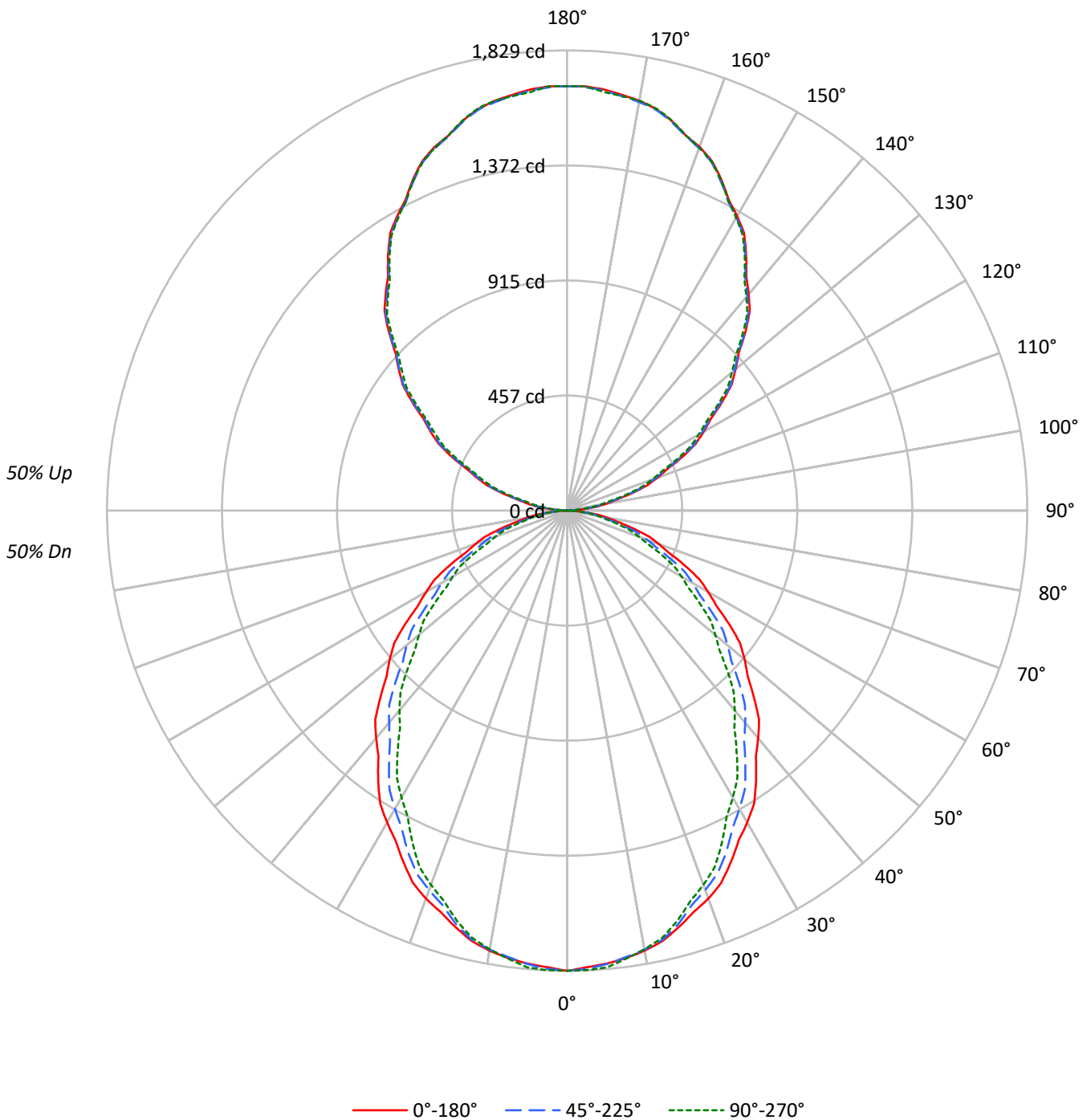
Lumens per Lamp: N/A  
Luminaire Lumens: 8568.1 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: General Diffuse

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	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	98	94	90	86	90	87	83	80	73	71	69	61	59	58	50	49	48	42				
2	89	82	76	71	82	76	71	66	64	60	57	54	51	49	44	42	40	36				
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	30				
4	75	64	56	50	69	59	53	47	51	45	41	43	39	36	35	32	30	26				
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	32	29	26	23				
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23	20				
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18				
8	54	42	35	29	50	39	32	28	34	29	25	29	25	22	24	21	19	16				
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15				
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13				

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

	0°	45°	90°
0°	15930	15930	15930
5°	15795	15819	15930
10°	15705	15668	15656
15°	15456	15355	15229
20°	15213	14875	14668
25°	14805	14387	13983
30°	14394	13761	13240
35°	13923	13118	12493
40°	13423	12515	11782
45°	12921	11885	11092
50°	12467	11272	10417
55°	11908	10633	9782
60°	11271	10025	9148
65°	10592	9351	8515
70°	9844	8594	7702
75°	8954	7776	6975
80°	8009	6816	6324
85°	6155	5596	4616

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12921 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.0	2.0
10°-20°	479.5	5.6
20°-30°	689.4	8.0
30°-40°	774.9	9.0
40°-50°	748.6	8.7
50°-60°	632.5	7.4
60°-70°	454.3	5.3
70°-80°	248.3	2.9
80°-90°	66.0	0.8
90°-100°	65.2	0.8
100°-110°	268.8	3.1
110°-120°	487.9	5.7
120°-130°	664.0	7.7
130°-140°	766.5	8.9
140°-150°	772.4	9.0
150°-160°	666.6	7.8
160°-170°	451.8	5.3
170°-180°	159.4	1.9
0°-30°	1341.0	15.7
0°-40°	2115.9	24.7
0°-60°	3496.9	40.8
0°-90°	4265.5	49.8
90°-120°	821.9	9.6
90°-150°	3024.8	35.3
90°-180°	4303.0	50.2
0°-180°	8568.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1829	1829	1829	1829	1829	
5°	1807	1831	1810	1810	1822	172
15°	1714	1729	1703	1686	1689	483
25°	1541	1542	1497	1463	1455	709
35°	1310	1294	1234	1186	1175	818
45°	1049	1027	965	914	901	811
55°	784	756	700	657	644	701
65°	514	495	454	421	413	510
75°	266	250	231	213	207	285
85°	62	58	56	49	46	73
90°	0	0	1	0	1	5
95°	63	55	53	41	41	73
105°	266	262	255	241	238	282
115°	505	504	495	480	479	499
125°	751	759	744	728	729	671
135°	1002	1013	996	978	984	771
145°	1241	1255	1236	1221	1230	775
155°	1452	1466	1445	1436	1448	667
165°	1604	1621	1600	1591	1606	452
175°	1680	1698	1676	1666	1670	159
180°	1687	1687	1687	1687	1687	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1829.2	1829.2	1829.2	1829.2	1829.2
2.5°	1816.9	1838.8	1822.5	1824.8	1828.1
5°	1806.8	1831.4	1809.6	1809.9	1822.2
7.5°	1793.9	1817.2	1789.7	1784.6	1796.1
10°	1776.0	1799.3	1771.8	1762.2	1770.4
12.5°	1752.4	1774.6	1748.2	1733.0	1740.1
15°	1714.3	1729.4	1703.1	1686.4	1689.1
17.5°	1672.9	1682.2	1644.3	1630.2	1627.5
20°	1641.5	1649.7	1605.1	1585.4	1582.7
22.5°	1601.2	1608.3	1561.4	1537.2	1533.4
25°	1540.7	1542.0	1497.2	1463.4	1455.2
27.5°	1477.4	1473.0	1423.3	1383.3	1372.6
30°	1431.4	1425.9	1368.4	1326.2	1316.6
32.5°	1382.1	1372.3	1314.6	1269.0	1259.4
35°	1309.6	1294.5	1233.9	1186.1	1175.1
37.5°	1232.3	1215.3	1155.8	1103.7	1091.4
40°	1180.7	1161.5	1100.9	1048.8	1036.4
42.5°	1129.2	1107.8	1046.0	993.8	980.4
45°	1049.1	1027.1	965.0	914.3	900.6
47.5°	972.9	944.9	884.6	834.2	820.5
50°	920.2	890.1	832.0	782.6	768.9
52.5°	866.4	835.2	779.3	732.2	718.5
55°	784.3	755.6	700.3	656.6	644.3
57.5°	703.1	675.4	625.0	583.2	571.2
60°	647.1	623.8	575.6	536.2	525.2
62.5°	593.3	572.2	526.3	490.2	479.3
65°	514.0	494.8	453.8	421.4	413.2
67.5°	437.0	417.8	384.6	355.5	346.2
70°	386.6	367.4	337.5	310.7	302.5
72.5°	338.4	318.1	293.8	269.3	263.3
75°	266.1	249.7	231.1	212.8	207.3
77.5°	202.2	186.4	172.8	159.9	158.5
80°	159.7	146.0	135.9	127.4	126.1
82.5°	119.3	108.9	102.2	96.1	95.8
85°	61.6	57.5	56.0	49.0	46.2
87.5°	17.9	17.9	15.9	13.5	13.7
90°	0.0	0.0	1.3	0.0	1.3
92.5°	15.8	13.7	12.9	8.5	9.7
95°	63.2	55.4	52.6	40.8	40.8
97.5°	119.2	111.5	107.4	95.2	92.6
100°	159.2	151.5	147.4	134.2	131.6
102.5°	200.3	196.7	189.5	175.2	172.7
105°	265.8	262.0	255.3	240.8	238.2
107.5°	333.2	334.0	324.0	312.1	308.5
110°	381.6	380.3	372.4	360.5	357.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	431.1	428.8	420.8	408.9	406.4
115°	505.3	504.0	494.8	480.3	479.0
117.5°	575.9	580.0	569.0	553.7	553.2
120°	626.4	631.5	618.5	605.3	602.7
122.5°	675.9	682.1	669.0	653.8	654.3
125°	751.4	759.1	743.5	727.8	729.0
127.5°	824.3	833.8	819.3	803.3	804.8
130°	873.8	885.4	869.9	852.8	855.4
132.5°	924.3	935.9	920.4	902.3	907.0
135°	1001.5	1013.0	996.2	977.9	984.3
137.5°	1074.1	1085.7	1067.2	1051.9	1059.6
140°	1122.5	1134.1	1114.6	1100.3	1108.0
142.5°	1169.9	1183.5	1163.1	1147.7	1157.5
145°	1241.0	1255.1	1235.7	1221.4	1230.4
147.5°	1308.3	1322.5	1302.8	1289.1	1298.3
150°	1351.5	1365.7	1344.9	1333.3	1343.6
152.5°	1391.5	1407.7	1386.0	1374.4	1387.8
155°	1451.5	1465.7	1444.9	1436.0	1447.6
157.5°	1503.6	1520.1	1499.4	1491.7	1501.0
160°	1538.4	1553.8	1533.1	1525.4	1535.7
162.5°	1564.7	1581.2	1561.5	1552.9	1565.2
165°	1604.2	1620.9	1600.2	1591.3	1605.5
167.5°	1635.2	1653.0	1632.1	1622.9	1637.3
170°	1654.2	1670.9	1648.9	1638.7	1654.2
172.5°	1666.8	1684.6	1661.5	1651.2	1661.5
175°	1680.5	1698.5	1676.5	1666.1	1670.0
177.5°	1687.1	1701.5	1683.9	1674.7	1687.1
180°	1687.1	1687.1	1687.1	1687.1	1687.1



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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	16.60	17.45	17.56	18.42	19.70	15.50	16.35	16.46	17.32	18.60
	3H	18.24	19.00	19.21	19.99	21.28	17.02	17.78	18.00	18.77	20.07
	4H	18.87	19.59	19.86	20.58	21.88	17.60	18.32	18.58	19.30	20.61
	6H	19.27	19.93	20.27	20.93	22.25	17.97	18.63	18.97	19.62	20.94
	8H	19.42	20.05	20.42	21.06	22.37	18.11	18.74	19.11	19.75	21.06
	12H	19.49	20.09	20.50	21.10	22.44	18.17	18.77	19.18	19.77	21.11
4H	2H	17.01	17.72	18.00	18.71	20.02	16.13	16.85	17.12	17.84	19.14
	3H	18.87	19.47	19.88	20.49	21.81	17.87	18.46	18.87	19.48	20.80
	4H	19.62	20.17	20.63	21.18	22.52	18.54	19.09	19.55	20.10	21.44
	6H	20.14	20.61	21.16	21.64	22.98	19.01	19.48	20.03	20.52	21.86
	8H	20.34	20.78	21.36	21.81	23.16	19.20	19.64	20.22	20.67	22.02
	12H	20.45	20.85	21.49	21.89	23.25	19.29	19.69	20.33	20.73	22.09
8H	4H	19.77	20.21	20.80	21.24	22.60	18.81	19.25	19.83	20.28	21.63
	6H	20.42	20.78	21.46	21.85	23.20	19.41	19.78	20.46	20.85	22.20
	8H	20.71	21.03	21.76	22.08	23.45	19.69	20.01	20.74	21.06	22.43
	12H	20.88	21.16	21.94	22.21	23.62	19.84	20.12	20.90	21.17	22.58
12H	4H	19.75	20.15	20.79	21.19	22.55	18.81	19.21	19.85	20.25	21.61
	6H	20.44	20.77	21.50	21.82	23.19	19.48	19.80	20.53	20.85	22.22
	8H	20.76	21.04	21.82	22.09	23.50	19.78	20.06	20.84	21.11	22.53