

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1057049

Luminaire Tested: CB2-D-125U-055D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1057049  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-13, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/31/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-D-125U-055D-830-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13301.5 lumens  
Efficiency: N/A  
Efficacy: 100.4 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: Semi-Indirect

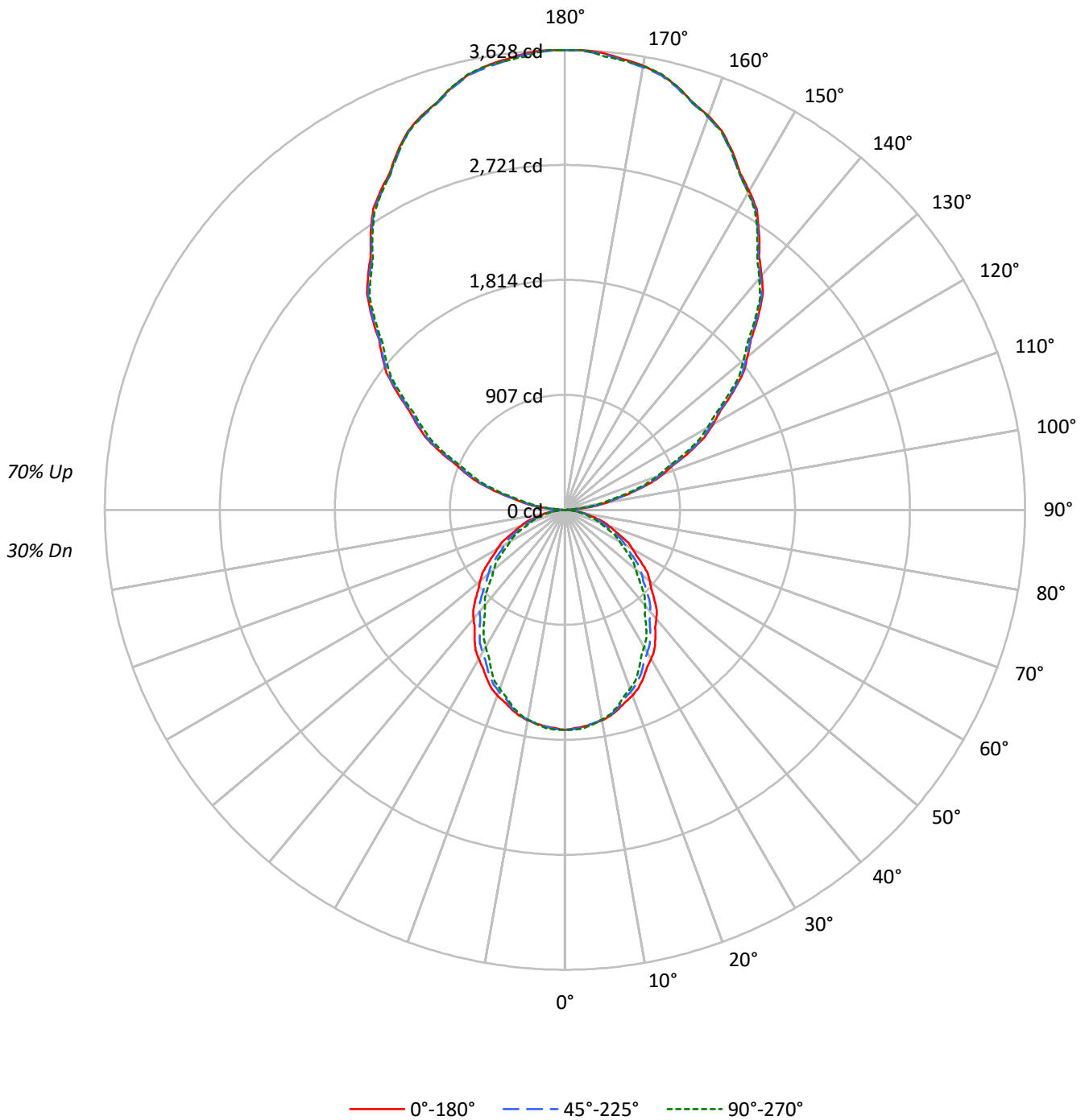
Input Watts (W): 132.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	102	102	102	102	92	92	92	92	72	72	72	55	55	55	38	38	38	30				
1	94	89	86	82	84	80	77	74	64	61	60	48	47	46	34	33	32	26				
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	29	27	22				
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	23	19				
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16				
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	21	19	18	14				
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	16	12				
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11				
8	51	39	32	27	46	36	29	25	29	24	21	22	19	17	16	14	12	10				
9	48	36	29	24	43	33	26	22	26	22	18	21	17	15	15	13	11	9				
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8				

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

	0°	45°	90°
0°	15120	15120	15120
5°	14992	15015	15120
10°	14907	14871	14860
15°	14671	14575	14455
20°	14440	14119	13923
25°	14052	13656	13273
30°	13663	13062	12567
35°	13215	12451	11858
40°	12741	11879	11184
45°	12263	11281	10528
50°	11833	10699	9889
55°	11304	10092	9284
60°	10698	9517	8683
65°	10054	8875	8082
70°	9342	8158	7313
75°	8499	7382	6622
80°	7603	6470	5998
85°	5845	5316	4387

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12263 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.3	1.2
10°-20°	455.1	3.4
20°-30°	654.4	4.9
30°-40°	735.5	5.5
40°-50°	710.5	5.3
50°-60°	600.3	4.5
60°-70°	431.2	3.2
70°-80°	235.7	1.8
80°-90°	62.8	0.5
90°-100°	140.2	1.1
100°-110°	578.0	4.3
110°-120°	1049.3	7.9
120°-130°	1427.9	10.7
130°-140°	1648.4	12.4
140°-150°	1661.1	12.5
150°-160°	1433.5	10.8
160°-170°	971.5	7.3
170°-180°	342.7	2.6
0°-30°	1272.8	9.6
0°-40°	2008.4	15.1
0°-60°	3319.2	25.0
0°-90°	4048.9	30.4
90°-120°	1767.5	13.3
90°-150°	6504.9	48.9
90°-180°	9253.0	69.6
0°-180°	13301.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1736	1736	1736	1736	1736	
5°	1715	1738	1718	1718	1730	163
15°	1627	1642	1617	1601	1603	459
25°	1462	1464	1421	1389	1381	673
35°	1243	1229	1171	1126	1115	776
45°	996	975	916	868	855	769
55°	744	717	665	623	612	666
65°	488	470	431	400	392	484
75°	253	237	219	202	197	270
85°	58	55	53	46	44	70
90°	0	0	3	0	3	7
95°	136	119	113	88	88	158
105°	572	563	549	518	512	606
115°	1087	1084	1064	1033	1030	1072
125°	1616	1632	1599	1565	1568	1443
135°	2154	2178	2142	2103	2117	1659
145°	2669	2699	2657	2627	2646	1667
155°	3122	3152	3107	3088	3113	1435
165°	3450	3486	3441	3422	3453	971
175°	3614	3653	3605	3583	3591	343
180°	3628	3628	3628	3628	3628	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1736.2	1736.2	1736.2	1736.2	1736.2
2.5°	1724.5	1745.3	1729.9	1732.1	1735.2
5°	1715.0	1738.4	1717.6	1717.9	1729.6
7.5°	1702.7	1724.8	1698.7	1693.9	1704.9
10°	1685.7	1707.8	1681.7	1672.6	1680.4
12.5°	1663.4	1684.4	1659.4	1644.9	1651.7
15°	1627.2	1641.5	1616.6	1600.7	1603.3
17.5°	1587.9	1596.7	1560.8	1547.4	1544.8
20°	1558.1	1565.9	1523.5	1504.9	1502.3
22.5°	1519.8	1526.6	1482.1	1459.1	1455.5
25°	1462.4	1463.7	1421.2	1389.1	1381.3
27.5°	1402.3	1398.1	1351.0	1313.0	1302.8
30°	1358.7	1353.5	1298.9	1258.8	1249.7
32.5°	1311.9	1302.5	1247.8	1204.5	1195.4
35°	1243.0	1228.7	1171.2	1125.8	1115.4
37.5°	1169.6	1153.5	1097.0	1047.6	1035.9
40°	1120.7	1102.5	1044.9	995.5	983.8
42.5°	1071.8	1051.5	992.8	943.3	930.6
45°	995.7	974.9	916.0	867.8	854.8
47.5°	923.4	896.9	839.7	791.8	778.8
50°	873.4	844.8	789.7	742.9	729.9
52.5°	822.4	792.7	739.7	695.0	682.0
55°	744.5	717.2	664.7	623.2	611.5
57.5°	667.4	641.1	593.2	553.6	542.1
60°	614.2	592.1	546.4	508.9	498.5
62.5°	563.1	543.1	499.6	465.3	454.9
65°	487.9	469.7	430.7	400.0	392.2
67.5°	414.8	396.6	365.1	337.5	328.6
70°	366.9	348.7	320.4	295.0	287.2
72.5°	321.2	302.0	278.9	255.7	249.9
75°	252.6	237.0	219.4	202.0	196.8
77.5°	192.0	176.9	164.1	151.8	150.5
80°	151.6	138.6	129.0	120.9	119.6
82.5°	113.3	103.4	97.0	91.2	90.9
85°	58.5	54.6	53.2	46.5	43.9
87.5°	17.0	17.0	15.5	12.8	13.3
90°	0.0	0.0	2.8	0.1	2.8
92.5°	34.0	29.5	27.7	18.2	20.9
95°	135.8	119.2	113.2	87.7	87.7
97.5°	256.4	239.8	230.9	204.8	199.2
100°	342.4	325.8	317.0	288.5	283.0
102.5°	430.7	423.0	407.5	376.8	371.3
105°	571.7	563.4	549.0	517.8	512.2
107.5°	716.5	718.2	696.7	671.1	663.3
110°	820.7	817.9	800.9	775.3	769.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	927.1	922.1	905.0	879.4	873.9
115°	1086.7	1083.9	1064.1	1032.9	1030.1
117.5°	1238.4	1247.2	1223.7	1190.8	1189.7
120°	1347.1	1358.1	1330.1	1301.7	1296.1
122.5°	1453.5	1466.8	1438.8	1406.0	1407.1
125°	1615.9	1632.5	1598.9	1565.0	1567.8
127.5°	1772.7	1793.2	1761.9	1727.5	1730.8
130°	1879.1	1904.0	1870.6	1833.9	1839.5
132.5°	1987.8	2012.7	1979.3	1940.5	1950.4
135°	2153.6	2178.5	2142.3	2103.0	2116.8
137.5°	2309.8	2334.7	2295.1	2262.1	2278.7
140°	2414.0	2438.9	2397.0	2366.2	2382.8
142.5°	2515.8	2545.2	2501.1	2468.2	2489.2
145°	2668.7	2699.1	2657.3	2626.7	2646.0
147.5°	2813.6	2844.0	2801.7	2772.1	2792.0
150°	2906.4	2936.8	2892.2	2867.3	2889.4
152.5°	2992.4	3027.3	2980.5	2955.7	2984.5
155°	3121.5	3151.9	3107.3	3088.1	3113.0
157.5°	3233.5	3268.9	3224.5	3207.9	3227.9
160°	3308.2	3341.4	3296.9	3280.4	3302.6
162.5°	3364.8	3400.3	3358.0	3339.4	3366.0
165°	3449.7	3485.7	3441.2	3422.1	3452.6
167.5°	3516.5	3554.7	3509.7	3490.1	3521.0
170°	3557.3	3593.2	3546.0	3524.1	3557.3
172.5°	3584.4	3622.6	3573.1	3551.0	3573.1
175°	3613.9	3652.6	3605.4	3582.9	3591.2
177.5°	3628.0	3659.0	3621.2	3601.5	3628.0
180°	3628.0	3628.0	3628.0	3628.0	3628.0

(END OF REPORT)