

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: P1057158

Luminaire Tested: CB3-D-125U-055D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057158
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-125U-055D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14512.0 lumens
Efficiency: N/A
Efficacy: 115.8 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: Semi-Indirect

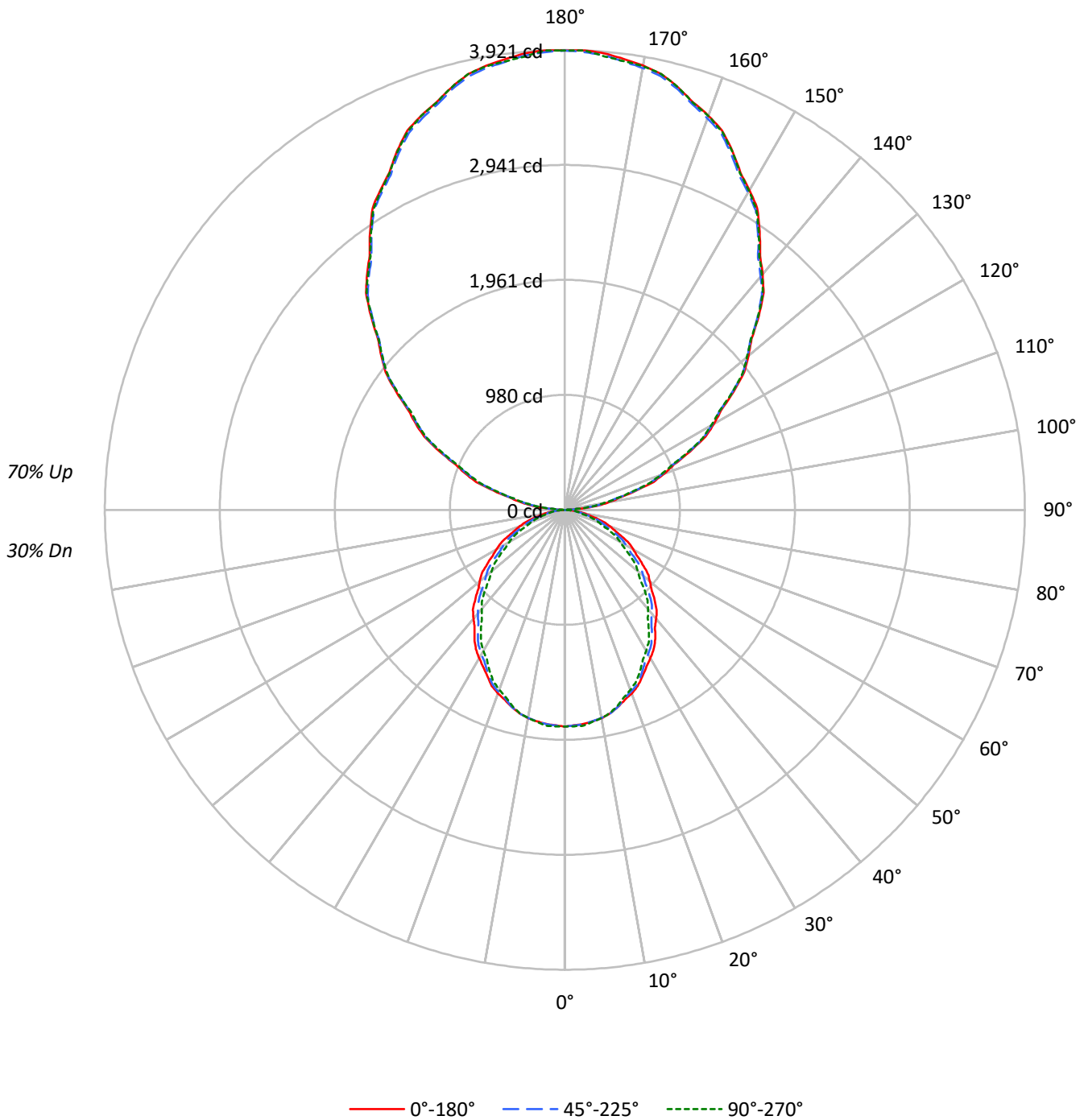
Input Watts (W): 125.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	19	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	16	16	14	12	10
9	48	36	29	24	43	33	26	22	26	22	18	21	17	15	15	13	11	9
10	44	33	26	21	40	30	24	20	24	20	16	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10454	10454	10454
5°	10405	10412	10489
10°	10359	10344	10344
15°	10201	10201	10140
20°	10037	9934	9829
25°	9766	9643	9471
30°	9527	9279	9056
35°	9275	8932	8615
40°	8941	8516	8148
45°	8638	8145	7642
50°	8326	7704	7150
55°	7987	7276	6681
60°	7620	6834	6153
65°	7191	6332	5595
70°	6697	5743	4985
75°	6072	5040	4439
80°	5294	4225	3926
85°	4083	3570	3570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8638 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.4	1.2
10°-20°	489.9	3.4
20°-30°	710.8	4.9
30°-40°	807.8	5.6
40°-50°	784.2	5.4
50°-60°	662.1	4.6
60°-70°	471.1	3.2
70°-80°	251.7	1.7
80°-90°	66.5	0.5
90°-100°	165.5	1.1
100°-110°	647.4	4.5
110°-120°	1154.0	8.0
120°-130°	1561.7	10.8
130°-140°	1795.4	12.4
140°-150°	1801.6	12.4
150°-160°	1549.3	10.7
160°-170°	1048.8	7.2
170°-180°	369.9	2.5
0°-30°	1375.1	9.5
0°-40°	2182.9	15.0
0°-60°	3629.1	25.0
0°-90°	4418.4	30.4
90°-120°	1966.9	13.6
90°-150°	7125.6	49.1
90°-180°	10094.0	69.6
0°-180°	14512.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1848	1848	1848	1848	1848	
5°	1832	1855	1834	1831	1847	174
15°	1742	1757	1742	1731	1731	491
25°	1564	1570	1545	1524	1517	721
35°	1343	1330	1293	1255	1247	837
45°	1080	1063	1018	969	955	833
55°	810	788	738	690	677	724
65°	537	518	473	431	418	532
75°	278	262	231	207	203	296
85°	63	58	55	55	55	75
90°	0	0	0	0	0	9
95°	159	144	129	120	123	182
105°	628	625	604	594	589	670
115°	1177	1183	1156	1153	1150	1167
125°	1754	1774	1739	1733	1736	1568
135°	2336	2360	2321	2304	2327	1801
145°	2895	2918	2871	2856	2883	1809
155°	3378	3408	3351	3337	3372	1554
165°	3730	3762	3712	3692	3730	1051
175°	3907	3942	3889	3865	3880	371
180°	3916	3916	3916	3916	3916	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1847.9	1847.9	1847.9	1847.9	1847.9
2.5°	1838.5	1856.9	1840.6	1842.7	1846.8
5°	1832.2	1855.2	1833.5	1831.2	1847.0
7.5°	1818.0	1839.0	1816.4	1811.2	1822.7
10°	1803.3	1826.4	1800.7	1794.3	1800.7
12.5°	1777.1	1801.2	1780.8	1770.2	1775.6
15°	1741.8	1757.1	1741.8	1731.3	1731.3
17.5°	1698.5	1714.7	1685.7	1678.3	1674.9
20°	1667.1	1681.2	1650.0	1639.4	1632.6
22.5°	1625.1	1638.2	1612.3	1592.0	1586.5
25°	1564.5	1569.6	1544.8	1523.7	1517.3
27.5°	1506.6	1507.9	1473.8	1448.2	1439.7
30°	1458.4	1459.6	1420.4	1392.7	1386.3
32.5°	1410.1	1406.3	1369.0	1336.1	1331.8
35°	1343.0	1330.2	1293.3	1255.1	1247.4
37.5°	1262.1	1254.4	1210.7	1172.4	1160.9
40°	1210.7	1197.9	1153.1	1114.8	1103.3
42.5°	1159.3	1144.5	1098.5	1056.1	1043.5
45°	1079.7	1063.0	1018.1	969.3	955.2
47.5°	999.5	981.3	931.9	884.6	869.0
50°	946.0	926.8	875.3	829.0	812.4
52.5°	891.5	871.3	819.7	772.5	758.9
55°	809.8	788.0	737.7	690.2	677.4
57.5°	728.0	706.5	656.5	611.6	596.2
60°	673.5	653.0	604.0	559.1	543.8
62.5°	617.9	598.5	550.6	506.8	492.4
65°	537.2	518.0	473.0	430.8	418.0
67.5°	457.3	440.9	396.5	357.7	347.5
70°	404.9	389.5	347.2	311.6	301.4
72.5°	354.6	338.2	298.0	267.7	260.5
75°	277.8	262.4	230.6	206.9	203.1
77.5°	207.6	195.0	167.5	154.0	152.0
80°	162.5	150.9	129.7	120.5	120.5
82.5°	120.5	111.1	97.2	93.3	93.3
85°	62.9	57.8	55.0	55.0	55.0
87.5°	18.9	18.9	17.8	16.8	16.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	43.2	38.5	24.0	19.2	19.2
95°	159.2	144.5	129.1	120.2	123.1
97.5°	293.7	279.6	260.7	251.7	254.0
100°	387.4	375.6	354.3	345.3	345.3
102.5°	478.7	471.6	450.4	441.5	443.8
105°	627.6	624.7	603.6	594.4	588.6
107.5°	792.2	786.9	763.3	762.6	757.3
110°	897.9	894.9	873.9	870.8	867.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1006.0	1010.1	986.8	983.7	980.8
115°	1177.2	1183.0	1156.1	1153.1	1150.1
117.5°	1352.5	1360.7	1332.1	1329.0	1323.7
120°	1465.4	1483.1	1447.4	1444.3	1441.4
122.5°	1580.7	1596.0	1562.7	1557.3	1556.7
125°	1753.7	1774.3	1738.7	1732.8	1735.7
127.5°	1926.7	1947.8	1914.7	1902.8	1909.3
130°	2042.0	2065.5	2030.0	2018.2	2027.0
132.5°	2159.7	2183.2	2147.7	2136.0	2149.5
135°	2336.3	2359.8	2321.3	2303.8	2327.3
137.5°	2508.7	2529.2	2487.0	2475.0	2499.6
140°	2621.6	2642.1	2597.5	2583.2	2612.6
142.5°	2732.1	2755.0	2705.6	2691.4	2723.1
145°	2894.8	2918.3	2870.8	2856.4	2882.8
147.5°	3051.0	3075.1	3027.0	3010.2	3037.2
150°	3147.1	3173.5	3123.1	3108.7	3138.1
152.5°	3240.8	3269.5	3216.7	3200.2	3236.6
155°	3378.3	3407.7	3351.3	3337.1	3372.3
157.5°	3502.0	3529.0	3478.0	3463.7	3494.2
160°	3576.5	3605.9	3552.5	3538.3	3573.5
162.5°	3641.4	3670.7	3622.1	3603.1	3638.4
165°	3729.7	3761.9	3711.6	3691.5	3729.7
167.5°	3803.5	3838.2	3784.9	3766.6	3804.7
170°	3846.8	3879.1	3825.7	3802.6	3840.8
172.5°	3875.6	3907.9	3854.6	3831.2	3857.6
175°	3906.8	3942.1	3888.8	3865.1	3879.8
177.5°	3920.6	3948.8	3906.2	3885.3	3918.2
180°	3915.8	3915.8	3915.8	3915.8	3915.8

(END OF REPORT)