

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: P1057050

Luminaire Tested: CB2-D-125U-055D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057050
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-835-1D-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14512.3 lumens
Efficiency: N/A
Efficacy: 109.5 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

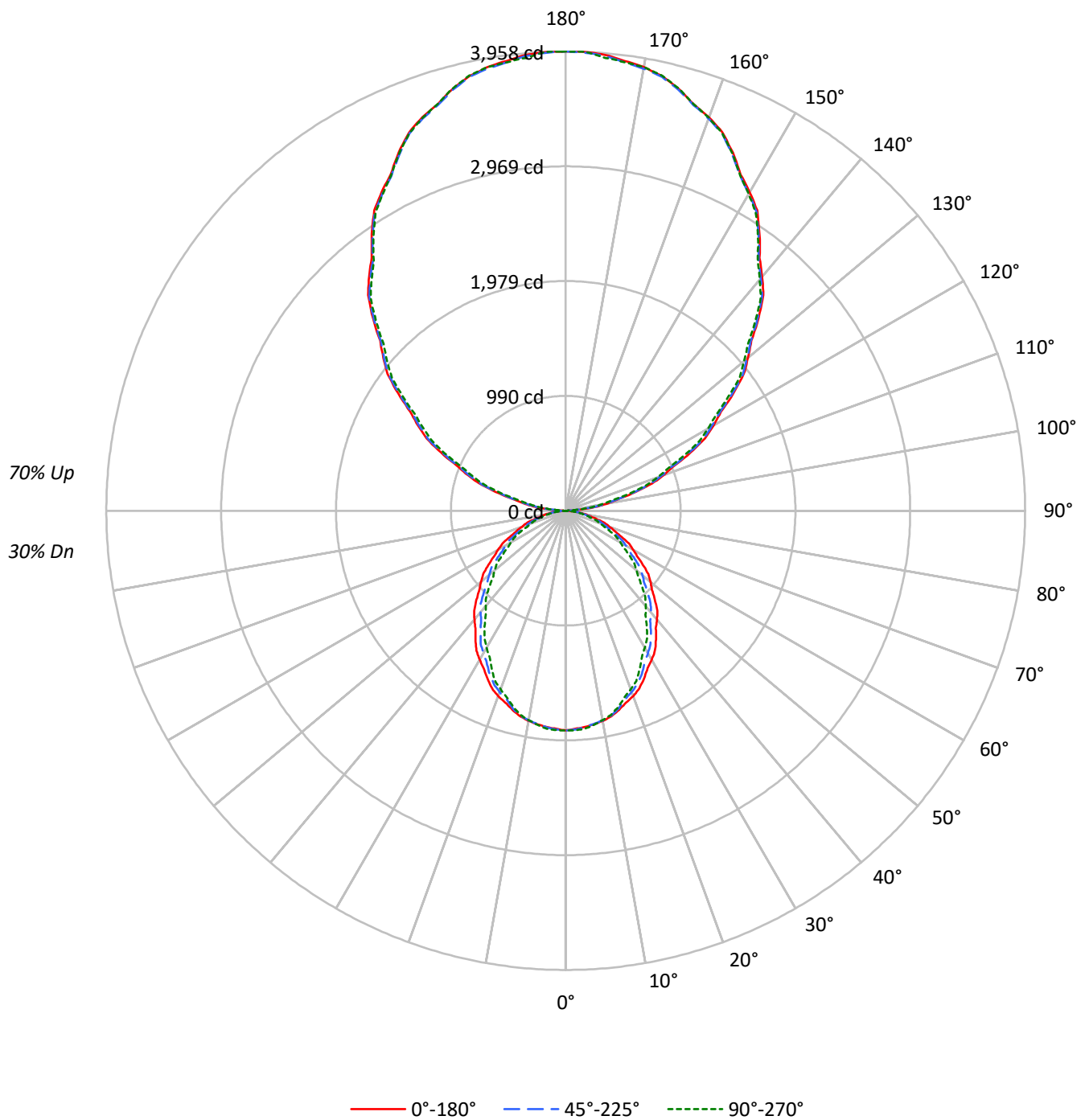
Input Watts (W): 132.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	102	102	102	102	92	92	92	92	72	72	72	55	55	55	38	38	38
1	94	89	86	82	84	80	77	74	64	61	60	48	47	46	34	33	32
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	29	27
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	23
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	21	19	18
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	16
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14
8	51	39	32	27	46	36	29	25	29	24	21	22	19	17	16	14	12
9	48	36	29	24	43	33	26	22	26	22	18	21	17	15	15	13	11
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16497	16497	16497
5°	16357	16382	16496
10°	16264	16225	16213
15°	16006	15901	15771
20°	15754	15405	15190
25°	15331	14899	14481
30°	14907	14250	13710
35°	14418	13585	12937
40°	13900	12960	12202
45°	13380	12309	11486
50°	12910	11673	10788
55°	12332	11011	10130
60°	11671	10382	9473
65°	10969	9683	8818
70°	10193	8902	7977
75°	9273	8052	7224
80°	8295	7056	6545
85°	6375	5795	4786

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13380 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.1	1.2
10°-20°	496.6	3.4
20°-30°	714.0	4.9
30°-40°	802.5	5.5
40°-50°	775.2	5.3
50°-60°	655.0	4.5
60°-70°	470.5	3.2
70°-80°	257.1	1.8
80°-90°	68.5	0.5
90°-100°	152.9	1.1
100°-110°	630.7	4.3
110°-120°	1144.9	7.9
120°-130°	1557.9	10.7
130°-140°	1798.4	12.4
140°-150°	1812.3	12.5
150°-160°	1564.0	10.8
160°-170°	1060.0	7.3
170°-180°	373.9	2.6
0°-30°	1388.7	9.6
0°-40°	2191.2	15.1
0°-60°	3621.4	25.0
0°-90°	4417.5	30.4
90°-120°	1928.4	13.3
90°-150°	7097.0	48.9
90°-180°	10095.0	69.6
0°-180°	14512.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1894	1894	1894	1894	1894	
5°	1871	1897	1874	1874	1887	178
15°	1775	1791	1764	1746	1749	500
25°	1596	1597	1550	1516	1507	734
35°	1356	1341	1278	1228	1217	847
45°	1086	1064	999	947	933	839
55°	812	782	725	680	667	726
65°	532	512	470	436	428	528
75°	276	259	239	220	215	295
85°	64	60	58	51	48	76
90°	0	0	3	0	3	8
95°	148	130	124	96	96	172
105°	624	615	599	565	559	662
115°	1186	1183	1161	1127	1124	1170
125°	1763	1781	1744	1708	1710	1574
135°	2350	2377	2337	2294	2310	1809
145°	2912	2945	2899	2866	2887	1819
155°	3406	3439	3390	3369	3396	1566
165°	3764	3803	3754	3734	3767	1060
175°	3943	3985	3934	3909	3918	374
180°	3958	3958	3958	3958	3958	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1894.3	1894.3	1894.3	1894.3	1894.3
2.5°	1881.5	1904.2	1887.3	1889.7	1893.1
5°	1871.1	1896.6	1874.0	1874.3	1887.0
7.5°	1857.7	1881.8	1853.4	1848.1	1860.0
10°	1839.2	1863.3	1834.8	1824.9	1833.4
12.5°	1814.8	1837.8	1810.4	1794.7	1802.0
15°	1775.3	1790.9	1763.7	1746.4	1749.2
17.5°	1732.4	1742.1	1702.8	1688.3	1685.4
20°	1699.9	1708.4	1662.2	1641.8	1639.0
22.5°	1658.1	1665.5	1617.0	1591.9	1587.9
25°	1595.5	1596.9	1550.5	1515.5	1507.0
27.5°	1529.9	1525.4	1473.9	1432.5	1421.4
30°	1482.4	1476.7	1417.1	1373.3	1363.4
32.5°	1431.3	1421.1	1361.4	1314.2	1304.2
35°	1356.2	1340.6	1277.8	1228.3	1216.9
37.5°	1276.1	1258.5	1196.9	1142.9	1130.2
40°	1222.7	1202.9	1140.0	1086.1	1073.3
42.5°	1169.3	1147.2	1083.2	1029.2	1015.3
45°	1086.4	1063.7	999.4	946.8	932.6
47.5°	1007.5	978.5	916.1	863.9	849.7
50°	952.9	921.7	861.6	810.5	796.3
52.5°	897.2	864.9	807.0	758.3	744.1
55°	812.2	782.5	725.2	680.0	667.2
57.5°	728.1	699.5	647.2	604.0	591.5
60°	670.1	646.0	596.1	555.3	543.9
62.5°	614.4	592.6	545.1	507.7	496.3
65°	532.3	512.5	469.9	436.4	427.9
67.5°	452.5	432.7	398.3	368.2	358.5
70°	400.3	380.5	349.6	321.8	313.3
72.5°	350.4	329.4	304.3	278.9	272.7
75°	275.6	258.6	239.3	220.3	214.7
77.5°	209.4	193.0	179.0	165.6	164.2
80°	165.4	151.2	140.7	132.0	130.5
82.5°	123.6	112.8	105.9	99.5	99.2
85°	63.8	59.6	58.0	50.7	47.9
87.5°	18.6	18.6	16.9	13.9	14.5
90°	0.0	0.0	3.1	0.1	3.1
92.5°	37.1	32.2	30.3	19.8	22.8
95°	148.2	130.1	123.5	95.7	95.7
97.5°	279.7	261.6	251.9	223.4	217.4
100°	373.6	355.5	345.8	314.8	308.8
102.5°	469.9	461.5	444.6	411.1	405.1
105°	623.7	614.6	599.0	564.9	558.8
107.5°	781.8	783.6	760.2	732.2	723.7
110°	895.4	892.4	873.8	845.9	839.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1011.5	1006.1	987.4	959.5	953.4
115°	1185.6	1182.6	1160.9	1126.9	1123.9
117.5°	1351.1	1360.8	1335.1	1299.2	1298.0
120°	1469.7	1481.8	1451.2	1420.1	1414.1
122.5°	1585.8	1600.3	1569.7	1533.9	1535.1
125°	1763.0	1781.1	1744.5	1707.5	1710.5
127.5°	1934.1	1956.4	1922.3	1884.7	1888.4
130°	2050.1	2077.3	2040.9	2000.9	2006.9
132.5°	2168.7	2195.9	2159.4	2117.1	2128.0
135°	2349.6	2376.8	2337.3	2294.4	2309.5
137.5°	2520.1	2547.2	2504.0	2468.0	2486.1
140°	2633.7	2660.9	2615.2	2581.6	2599.7
142.5°	2744.8	2776.8	2728.8	2692.9	2715.8
145°	2911.6	2944.8	2899.2	2865.7	2886.9
147.5°	3069.7	3102.9	3056.7	3024.5	3046.2
150°	3170.9	3204.1	3155.5	3128.3	3152.4
152.5°	3264.8	3302.8	3251.8	3224.8	3256.1
155°	3405.6	3438.8	3390.1	3369.2	3396.3
157.5°	3527.9	3566.5	3518.0	3499.9	3521.7
160°	3609.4	3645.6	3597.0	3579.0	3603.2
162.5°	3671.1	3709.8	3663.7	3643.4	3672.4
165°	3763.7	3803.0	3754.5	3733.6	3766.8
167.5°	3836.6	3878.3	3829.2	3807.7	3841.6
170°	3881.1	3920.3	3868.7	3844.8	3881.1
172.5°	3910.7	3952.4	3898.4	3874.2	3898.4
175°	3942.8	3985.1	3933.6	3909.1	3918.1
177.5°	3958.3	3992.1	3950.9	3929.3	3958.3
180°	3958.3	3958.3	3958.3	3958.3	3958.3

(END OF REPORT)