

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: P1057038

Luminaire Tested: CB2-D-085U-055D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057038
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-085U-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 850 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11140.7 lumens
Efficiency: N/A
Efficacy: 118.1 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

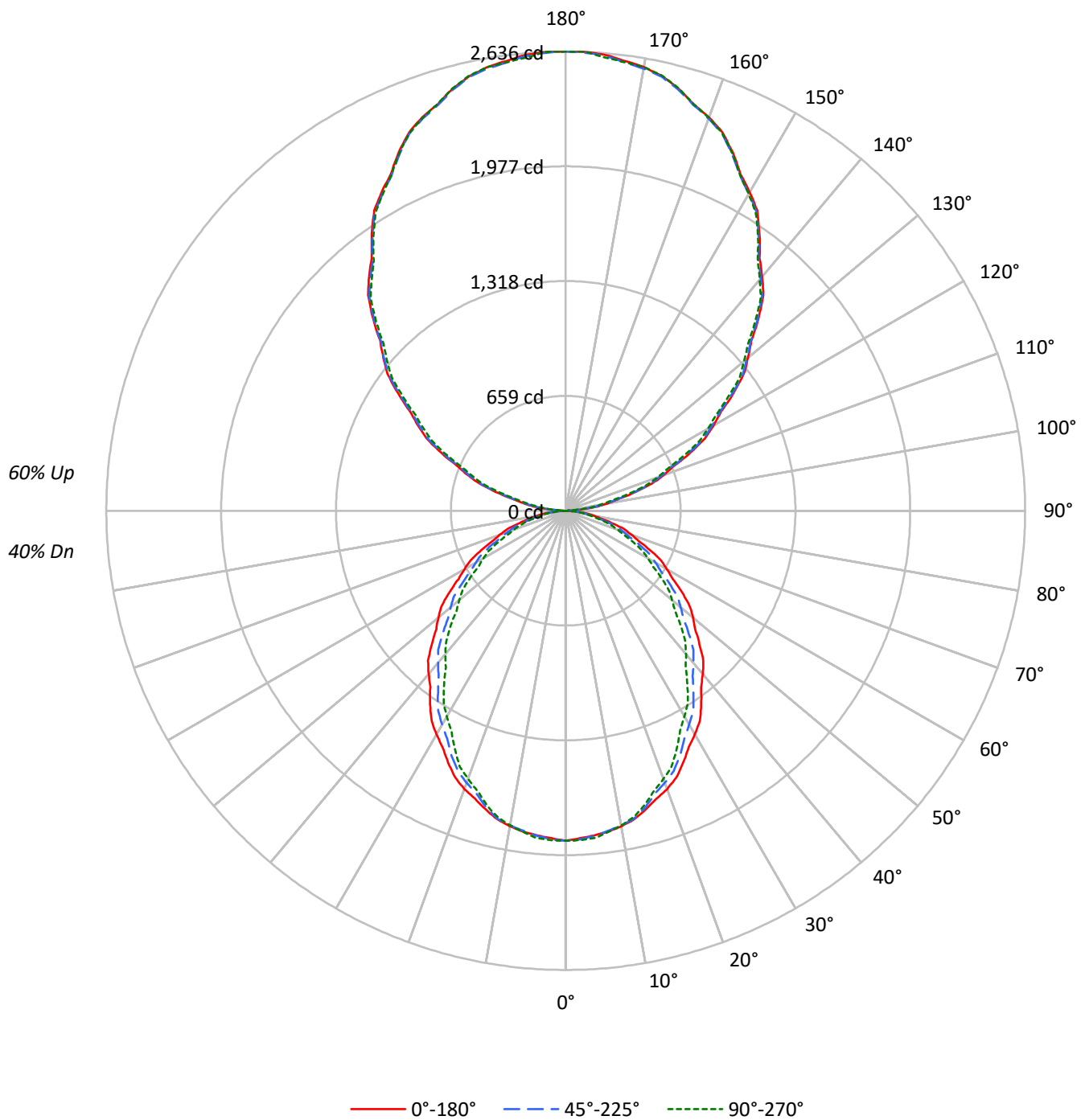
Input Watts (W): 94.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34
3	80	70	63	58	72	64	58	53	53	48	45	42	39	37	33	30	29
4	73	62	55	49	66	57	50	45	47	42	38	38	34	31	29	27	25
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	17	15
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14
10	46	34	27	22	42	31	25	21	26	22	18	22	18	15	17	15	13

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	1.6
10°-20°	496.6	4.5
20°-30°	714.0	6.4
30°-40°	802.5	7.2
40°-50°	775.2	7.0
50°-60°	655.0	5.9
60°-70°	470.5	4.2
70°-80°	257.1	2.3
80°-90°	68.5	0.6
90°-100°	101.9	0.9
100°-110°	420.0	3.8
110°-120°	762.5	6.8
120°-130°	1037.6	9.3
130°-140°	1197.8	10.8
140°-150°	1207.0	10.8
150°-160°	1041.6	9.3
160°-170°	706.0	6.3
170°-180°	249.0	2.2
0°-30°	1388.7	12.5
0°-40°	2191.2	19.7
0°-60°	3621.4	32.5
0°-90°	4417.4	39.7
90°-120°	1284.4	11.5
90°-150°	4726.7	42.4
90°-180°	6723.0	60.3
0°-180°	11140.7	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	2	0	2	6
95°	99	87	82	64	64	115
105°	415	409	399	376	372	441
115°	790	788	773	750	748	779
125°	1174	1186	1162	1137	1139	1048
135°	1565	1583	1557	1528	1538	1205
145°	1939	1961	1931	1909	1923	1212
155°	2268	2290	2258	2244	2262	1043
165°	2507	2533	2500	2487	2509	706
175°	2626	2654	2620	2604	2610	249
180°	2636	2636	2636	2636	2636	

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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	16.7	13.9	14.3
90°	0.0	0.0	2.1	0.0	2.1
92.5°	24.7	21.5	20.2	13.2	15.2
95°	98.7	86.6	82.3	63.7	63.7
97.5°	186.3	174.2	167.8	148.8	144.8
100°	248.8	236.8	230.3	209.7	205.6
102.5°	313.0	307.3	296.1	273.8	269.8
105°	415.4	409.4	398.9	376.2	372.2
107.5°	520.7	521.9	506.3	487.6	482.0
110°	596.3	594.3	582.0	563.4	559.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	673.7	670.0	657.6	639.0	635.0
115°	789.6	787.6	773.2	750.5	748.5
117.5°	899.9	906.3	889.2	865.3	864.5
120°	978.8	986.9	966.5	945.8	941.8
122.5°	1056.1	1065.8	1045.5	1021.6	1022.4
125°	1174.2	1186.2	1161.8	1137.2	1139.2
127.5°	1288.1	1303.0	1280.3	1255.3	1257.7
130°	1365.4	1383.5	1359.3	1332.6	1336.6
132.5°	1444.4	1462.5	1438.2	1410.0	1417.2
135°	1564.9	1583.0	1556.7	1528.1	1538.2
137.5°	1678.4	1696.5	1667.7	1643.7	1655.8
140°	1754.1	1772.2	1741.7	1719.4	1731.5
142.5°	1828.1	1849.4	1817.4	1793.5	1808.8
145°	1939.1	1961.3	1930.9	1908.6	1922.7
147.5°	2044.4	2066.6	2035.8	2014.3	2028.8
150°	2111.9	2134.0	2101.6	2083.5	2099.5
152.5°	2174.4	2199.7	2165.8	2147.7	2168.6
155°	2268.2	2290.3	2257.9	2243.9	2262.0
157.5°	2349.6	2375.3	2343.0	2331.0	2345.5
160°	2403.9	2428.0	2395.7	2383.7	2399.8
162.5°	2445.0	2470.8	2440.1	2426.5	2445.8
165°	2506.7	2532.8	2500.5	2486.6	2508.8
167.5°	2555.2	2583.0	2550.3	2536.0	2558.5
170°	2584.8	2611.0	2576.6	2560.7	2584.8
172.5°	2604.6	2632.3	2596.4	2580.3	2596.4
175°	2626.0	2654.1	2619.8	2603.5	2609.5
177.5°	2636.3	2658.8	2631.3	2617.0	2636.3
180°	2636.3	2636.3	2636.3	2636.3	2636.3

(END OF REPORT)