

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: P1057037

Luminaire Tested: CB2-D-085U-055D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057037
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-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 850 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10211.2 lumens
Efficiency: N/A
Efficacy: 108.3 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

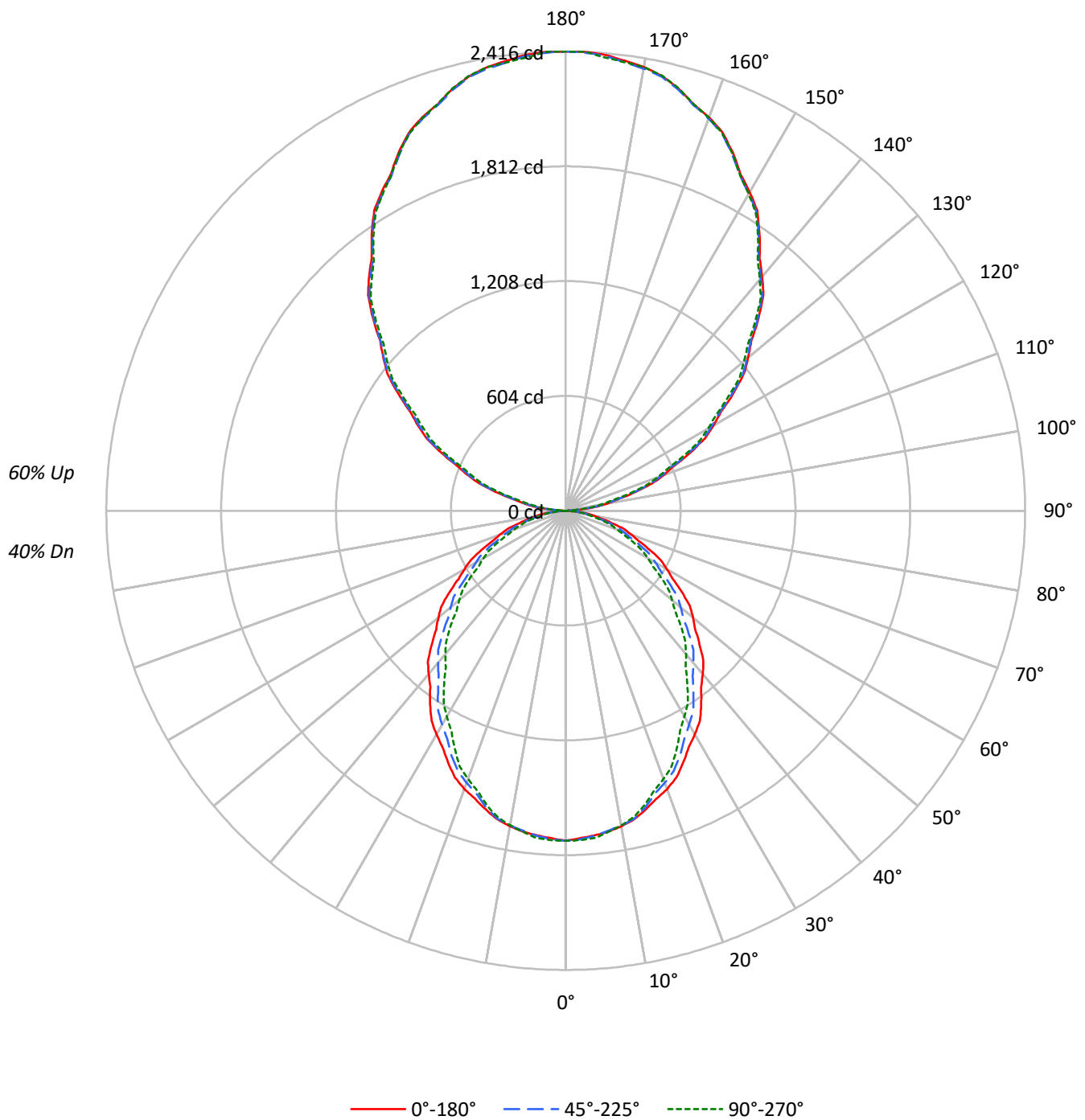
Input Watts (W): 94.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	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	1.6
10°-20°	455.1	4.5
20°-30°	654.4	6.4
30°-40°	735.5	7.2
40°-50°	710.5	7.0
50°-60°	600.3	5.9
60°-70°	431.2	4.2
70°-80°	235.7	2.3
80°-90°	62.7	0.6
90°-100°	93.4	0.9
100°-110°	385.0	3.8
110°-120°	698.9	6.8
120°-130°	951.0	9.3
130°-140°	1097.8	10.8
140°-150°	1106.3	10.8
150°-160°	954.7	9.3
160°-170°	647.1	6.3
170°-180°	228.2	2.2
0°-30°	1272.8	12.5
0°-40°	2008.4	19.7
0°-60°	3319.2	32.5
0°-90°	4048.9	39.7
90°-120°	1177.2	11.5
90°-150°	4332.3	42.4
90°-180°	6162.0	60.3
0°-180°	10211.2	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	2	0	2	5
95°	90	79	75	58	58	105
105°	381	375	366	345	341	404
115°	724	722	709	688	686	714
125°	1076	1087	1065	1042	1044	961
135°	1434	1451	1427	1401	1410	1105
145°	1777	1798	1770	1749	1762	1110
155°	2079	2099	2070	2057	2073	956
165°	2298	2322	2292	2279	2300	647
175°	2407	2433	2401	2386	2392	228
180°	2416	2416	2416	2416	2416	

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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	15.3	12.8	13.1
90°	0.0	0.0	1.9	0.0	1.9
92.5°	22.6	19.7	18.5	12.1	13.9
95°	90.5	79.4	75.4	58.4	58.4
97.5°	170.8	159.7	153.8	136.4	132.7
100°	228.1	217.0	211.1	192.2	188.5
102.5°	286.9	281.7	271.4	251.0	247.3
105°	380.7	375.2	365.7	344.8	341.1
107.5°	477.2	478.3	464.0	447.0	441.8
110°	546.6	544.7	533.4	516.4	512.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	617.5	614.1	602.8	585.7	582.0
115°	723.8	721.9	708.7	687.9	686.1
117.5°	824.8	830.7	815.0	793.1	792.4
120°	897.2	904.5	885.9	866.9	863.2
122.5°	968.0	976.9	958.2	936.4	937.1
125°	1076.2	1087.3	1064.9	1042.3	1044.2
127.5°	1180.6	1194.3	1173.5	1150.5	1152.7
130°	1251.5	1268.1	1245.9	1221.4	1225.1
132.5°	1323.9	1340.5	1318.2	1292.4	1299.0
135°	1434.3	1450.9	1426.8	1400.6	1409.8
137.5°	1538.4	1555.0	1528.6	1506.6	1517.6
140°	1607.7	1624.3	1596.4	1575.9	1587.0
142.5°	1675.6	1695.1	1665.8	1643.9	1657.9
145°	1777.4	1797.6	1769.8	1749.4	1762.3
147.5°	1873.9	1894.1	1866.0	1846.3	1859.5
150°	1935.7	1956.0	1926.3	1909.6	1924.4
152.5°	1993.0	2016.2	1985.1	1968.5	1987.7
155°	2078.9	2099.2	2069.5	2056.7	2073.3
157.5°	2153.6	2177.2	2147.5	2136.5	2149.8
160°	2203.3	2225.4	2195.8	2184.8	2199.6
162.5°	2241.0	2264.6	2236.5	2224.1	2241.8
165°	2297.6	2321.5	2291.9	2279.2	2299.5
167.5°	2342.1	2367.5	2337.5	2324.4	2345.1
170°	2369.2	2393.1	2361.7	2347.1	2369.2
172.5°	2387.3	2412.7	2379.7	2365.0	2379.7
175°	2406.9	2432.7	2401.2	2386.3	2391.8
177.5°	2416.3	2437.0	2411.8	2398.6	2416.3
180°	2416.3	2416.3	2416.3	2416.3	2416.3

(END OF REPORT)