

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: P1057147

Luminaire Tested: CB3-D-085U-055D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057147
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-085U-055D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10991.8 lumens
Efficiency: N/A
Efficacy: 123.4 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

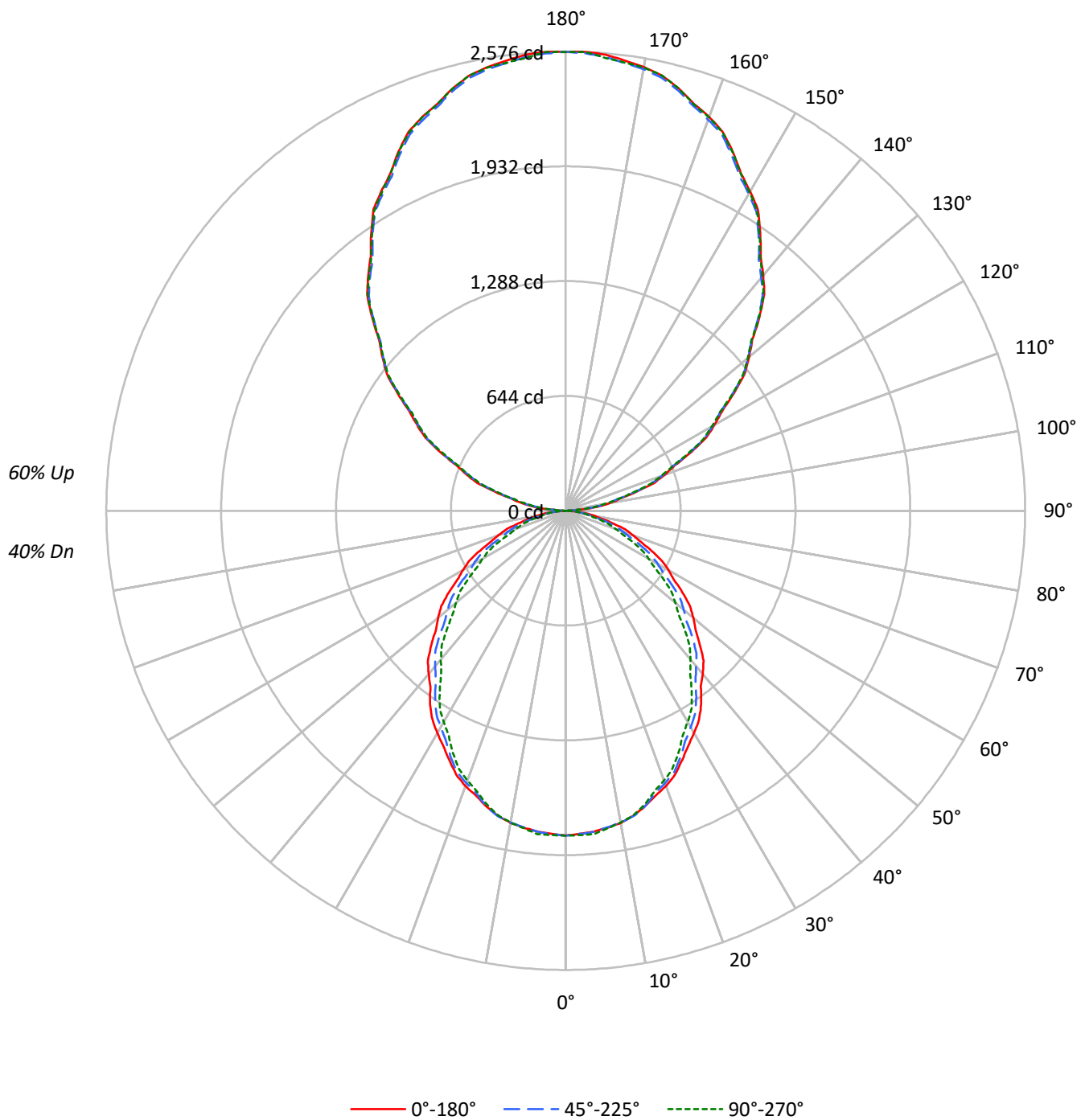
Input Watts (W): 89.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	37	31	26	31	26	22	26	22	19	20	17	15
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	19	16	14
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10309	10309	10309
5°	10261	10267	10338
10°	10216	10201	10201
15°	10060	10060	9999
20°	9897	9796	9698
25°	9635	9514	9345
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8402	8039
45°	8523	8037	7541
50°	8215	7601	7055
55°	7881	7179	6593
60°	7519	6743	6070
65°	7096	6247	5521
70°	6608	5667	4918
75°	5991	4973	4380
80°	5222	4170	3874
85°	4031	3525	3525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8523 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	1.6
10°-20°	483.1	4.4
20°-30°	701.3	6.4
30°-40°	797.0	7.3
40°-50°	773.7	7.0
50°-60°	653.3	5.9
60°-70°	464.8	4.2
70°-80°	248.3	2.3
80°-90°	65.6	0.6
90°-100°	108.7	1.0
100°-110°	425.5	3.9
110°-120°	758.3	6.9
120°-130°	1026.2	9.3
130°-140°	1179.8	10.7
140°-150°	1183.9	10.8
150°-160°	1018.1	9.3
160°-170°	689.2	6.3
170°-180°	243.1	2.2
0°-30°	1356.3	12.3
0°-40°	2153.3	19.6
0°-60°	3580.3	32.6
0°-90°	4359.0	39.7
90°-120°	1292.5	11.8
90°-150°	4682.4	42.6
90°-180°	6633.0	60.3
0°-180°	10991.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1822	1822	1822	1822	1822	
5°	1807	1830	1808	1806	1820	171
15°	1718	1733	1718	1707	1707	484
25°	1544	1549	1524	1503	1497	712
35°	1325	1312	1276	1238	1231	826
45°	1065	1049	1004	956	942	822
55°	799	778	728	681	668	714
65°	530	511	467	425	412	525
75°	274	259	228	204	200	292
85°	62	57	54	54	54	74
90°	0	0	0	0	0	6
95°	105	95	85	79	81	119
105°	412	410	397	391	387	440
115°	774	777	760	758	756	767
125°	1152	1166	1143	1139	1141	1030
135°	1535	1551	1525	1514	1529	1184
145°	1902	1918	1886	1877	1894	1189
155°	2220	2239	2202	2193	2216	1021
165°	2451	2472	2439	2426	2451	690
175°	2567	2590	2556	2540	2550	244
180°	2573	2573	2573	2573	2573	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1822.3	1822.3	1822.3	1822.3	1822.3
2.5°	1813.0	1831.2	1815.0	1817.2	1821.2
5°	1806.8	1829.5	1808.0	1805.8	1820.4
7.5°	1792.8	1813.5	1791.2	1786.1	1797.4
10°	1778.3	1801.1	1775.7	1769.4	1775.7
12.5°	1752.5	1776.2	1756.1	1745.6	1750.9
15°	1717.6	1732.7	1717.6	1707.2	1707.2
17.5°	1674.9	1690.8	1662.2	1654.9	1651.7
20°	1643.9	1657.8	1627.1	1616.6	1610.9
22.5°	1602.5	1615.4	1589.8	1570.5	1565.4
25°	1543.6	1548.7	1524.2	1503.4	1497.1
27.5°	1486.5	1487.8	1454.2	1428.9	1420.6
30°	1438.9	1440.2	1401.4	1374.1	1367.8
32.5°	1391.3	1387.5	1350.7	1318.3	1314.0
35°	1325.1	1312.5	1276.0	1238.4	1230.8
37.5°	1245.2	1237.7	1194.6	1156.8	1145.4
40°	1194.6	1181.9	1137.7	1099.9	1088.6
42.5°	1143.9	1129.2	1083.9	1042.0	1029.6
45°	1065.3	1048.9	1004.5	956.4	942.5
47.5°	986.2	968.2	919.5	872.8	857.4
50°	933.4	914.5	863.6	818.0	801.6
52.5°	879.6	859.7	808.8	762.2	748.8
55°	799.0	777.5	727.9	681.0	668.4
57.5°	718.3	697.1	647.7	603.4	588.2
60°	664.5	644.3	596.0	551.7	536.5
62.5°	609.7	590.5	543.2	500.0	485.8
65°	530.1	511.1	466.7	425.1	412.4
67.5°	451.2	435.0	391.2	353.0	342.9
70°	399.5	384.3	342.6	307.5	297.3
72.5°	349.8	333.7	294.0	264.1	257.0
75°	274.1	258.9	227.5	204.2	200.4
77.5°	204.8	192.4	165.2	152.0	150.0
80°	160.3	148.9	128.0	118.9	118.9
82.5°	118.9	109.6	95.9	92.0	92.0
85°	62.1	57.0	54.3	54.3	54.3
87.5°	18.6	18.6	17.6	16.5	16.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	28.4	25.3	15.8	12.6	12.6
95°	104.6	94.9	84.9	79.0	80.9
97.5°	193.0	183.7	171.3	165.4	166.9
100°	254.6	246.8	232.9	226.9	226.9
102.5°	314.5	309.9	296.0	290.1	291.7
105°	412.4	410.5	396.6	390.6	386.8
107.5°	520.6	517.1	501.6	501.1	497.7
110°	590.0	588.1	574.2	572.2	570.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	661.1	663.8	648.4	646.4	644.5
115°	773.5	777.4	759.7	757.7	755.8
117.5°	888.8	894.2	875.4	873.3	869.8
120°	963.0	974.6	951.1	949.1	947.2
122.5°	1038.8	1048.8	1026.9	1023.4	1023.0
125°	1152.4	1165.9	1142.6	1138.7	1140.6
127.5°	1266.1	1280.0	1258.2	1250.4	1254.6
130°	1341.9	1357.3	1334.0	1326.2	1332.0
132.5°	1419.2	1434.7	1411.3	1403.6	1412.5
135°	1535.3	1550.7	1525.4	1513.9	1529.3
137.5°	1648.5	1662.0	1634.3	1626.4	1642.6
140°	1722.7	1736.2	1706.9	1697.5	1716.8
142.5°	1795.3	1810.4	1778.0	1768.6	1789.4
145°	1902.3	1917.7	1886.5	1877.0	1894.4
147.5°	2004.9	2020.7	1989.1	1978.1	1995.8
150°	2068.1	2085.4	2052.3	2042.8	2062.1
152.5°	2129.6	2148.5	2113.8	2102.9	2126.9
155°	2220.0	2239.3	2202.2	2192.9	2216.1
157.5°	2301.3	2319.1	2285.5	2276.1	2296.2
160°	2350.2	2369.5	2334.5	2325.1	2348.3
162.5°	2392.9	2412.2	2380.2	2367.7	2390.9
165°	2450.9	2472.1	2439.0	2425.8	2450.9
167.5°	2499.4	2522.2	2487.2	2475.1	2500.2
170°	2527.8	2549.1	2514.0	2498.8	2523.9
172.5°	2546.8	2568.0	2533.0	2517.6	2534.9
175°	2567.3	2590.5	2555.5	2539.9	2549.6
177.5°	2576.4	2594.9	2566.9	2553.2	2574.8
180°	2573.2	2573.2	2573.2	2573.2	2573.2

(END OF REPORT)