

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: P1057150

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057150
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-085D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 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: 13285.8 lumens
Efficiency: N/A
Efficacy: 122.7 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: General Diffuse

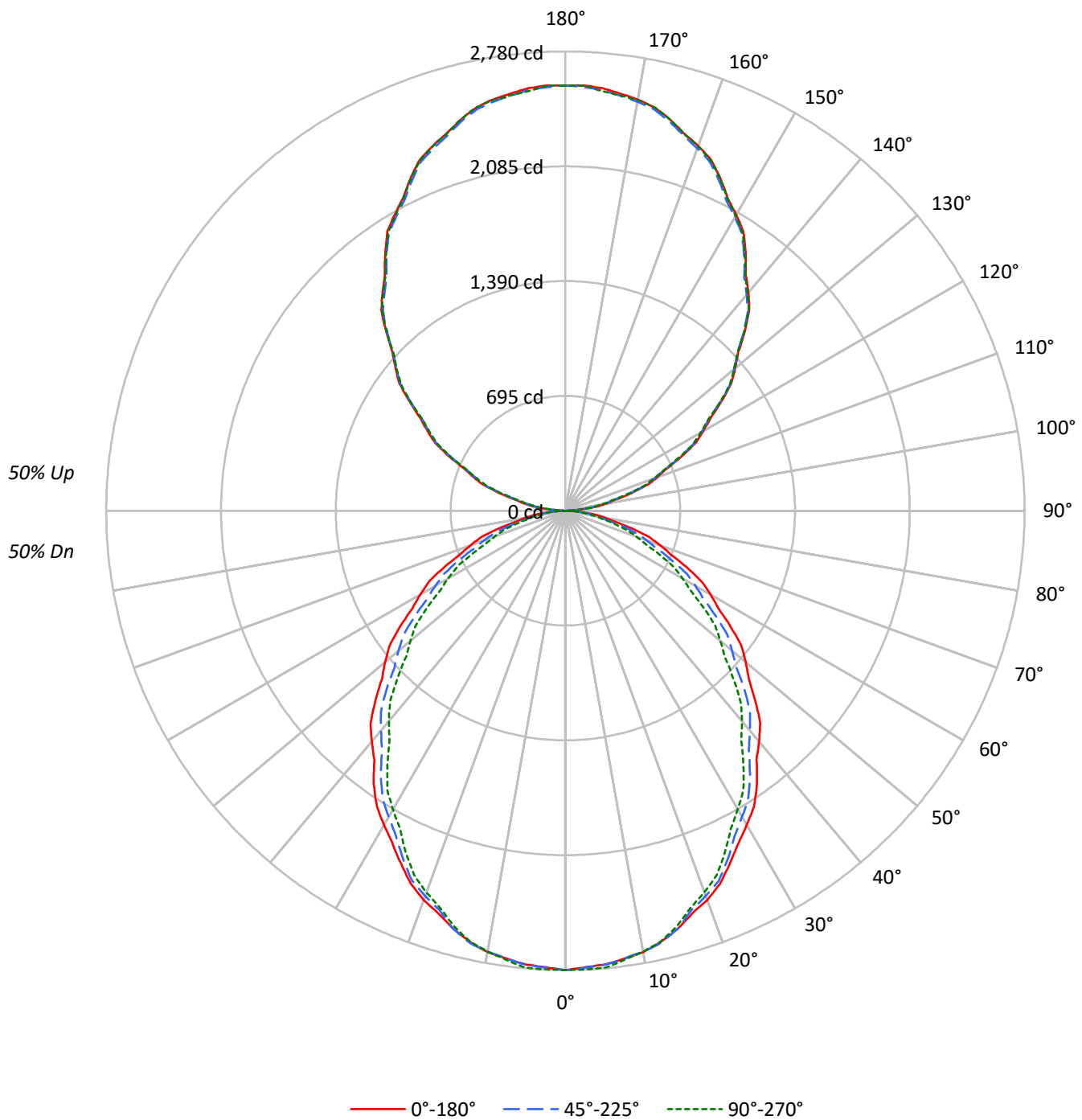
Input Watts (W): 108.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48
2	89	82	76	71	82	76	71	66	65	61	57	54	51	49	44	42	41
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	24	21	19
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15730	15730	15730
5°	15656	15666	15767
10°	15587	15564	15564
15°	15348	15348	15256
20°	15100	14946	14803
25°	14708	14523	14264
30°	14347	13974	13638
35°	13969	13451	12974
40°	13466	12824	12271
45°	13009	12267	11510
50°	12539	11602	10768
55°	12028	10958	10062
60°	11476	10293	9266
65°	10831	9536	8427
70°	10087	8649	7508
75°	9143	7591	6686
80°	7972	6366	5913
85°	6147	5381	5381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.3	2.0
10°-20°	737.0	5.5
20°-30°	1070.3	8.1
30°-40°	1216.6	9.2
40°-50°	1181.0	8.9
50°-60°	997.1	7.5
60°-70°	709.4	5.3
70°-80°	379.0	2.9
80°-90°	100.1	0.8
90°-100°	108.7	0.8
100°-110°	425.5	3.2
110°-120°	758.3	5.7
120°-130°	1026.2	7.7
130°-140°	1179.8	8.9
140°-150°	1183.9	8.9
150°-160°	1018.1	7.7
160°-170°	689.2	5.2
170°-180°	243.1	1.8
0°-30°	2069.7	15.6
0°-40°	3286.2	24.7
0°-60°	5464.4	41.1
0°-90°	6653.0	50.1
90°-120°	1292.5	9.7
90°-150°	4682.4	35.2
90°-180°	6633.0	49.9
0°-180°	13285.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2780	2780	2780	2780	2780	
5°	2757	2792	2759	2755	2776	262
15°	2621	2644	2621	2605	2605	738
25°	2356	2364	2327	2295	2285	1086
35°	2023	2003	1948	1890	1879	1260
45°	1626	1601	1533	1460	1439	1254
55°	1220	1187	1111	1040	1020	1090
65°	809	780	712	649	630	801
75°	418	395	347	312	306	446
85°	95	87	83	83	83	112
90°	0	0	0	0	0	8
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°	2780.4	2780.4	2780.4	2780.4	2780.4
2.5°	2766.2	2794.0	2769.4	2772.7	2778.9
5°	2756.8	2791.5	2758.7	2755.3	2776.5
7.5°	2735.4	2767.1	2733.1	2725.2	2742.5
10°	2713.3	2748.1	2709.4	2699.7	2709.4
12.5°	2673.9	2710.1	2679.4	2663.4	2671.5
15°	2620.6	2643.7	2620.6	2604.8	2604.8
17.5°	2555.5	2579.8	2536.1	2525.0	2520.3
20°	2508.1	2529.3	2482.5	2466.5	2458.8
22.5°	2445.0	2464.6	2425.6	2397.0	2389.3
25°	2356.2	2363.9	2326.6	2294.8	2285.1
27.5°	2268.9	2270.9	2219.6	2181.0	2168.3
30°	2196.3	2198.3	2139.1	2097.4	2087.8
32.5°	2123.7	2117.9	2061.7	2012.3	2005.7
35°	2022.7	2003.4	1947.7	1890.2	1878.6
37.5°	1900.7	1889.1	1823.4	1765.7	1748.4
40°	1823.4	1804.1	1736.5	1678.9	1661.6
42.5°	1746.0	1723.6	1654.4	1590.5	1571.6
45°	1626.0	1600.9	1533.3	1459.8	1438.6
47.5°	1505.3	1477.9	1403.4	1332.3	1308.7
50°	1424.7	1395.8	1318.2	1248.6	1223.5
52.5°	1342.7	1312.2	1234.5	1163.4	1143.0
55°	1219.5	1186.7	1111.0	1039.5	1020.2
57.5°	1096.4	1064.0	988.6	921.0	897.9
60°	1014.3	983.4	909.7	842.1	818.9
62.5°	930.6	901.3	829.2	763.2	741.6
65°	809.1	780.1	712.4	648.8	629.5
67.5°	688.7	664.0	597.1	538.8	523.3
70°	609.8	586.6	522.9	469.3	453.9
72.5°	534.0	509.3	448.7	403.1	392.3
75°	418.3	395.2	347.3	311.7	305.9
77.5°	312.6	293.7	252.2	232.0	228.9
80°	244.7	227.3	195.4	181.5	181.5
82.5°	181.5	167.3	146.4	140.5	140.5
85°	94.7	87.0	82.9	82.9	82.9
87.5°	28.4	28.4	26.8	25.3	25.3
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)