

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: P1057162

Luminaire Tested: CB3-D-125U-085D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057162
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-125U-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 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16612.5 lumens
Efficiency: N/A
Efficacy: 114.9 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

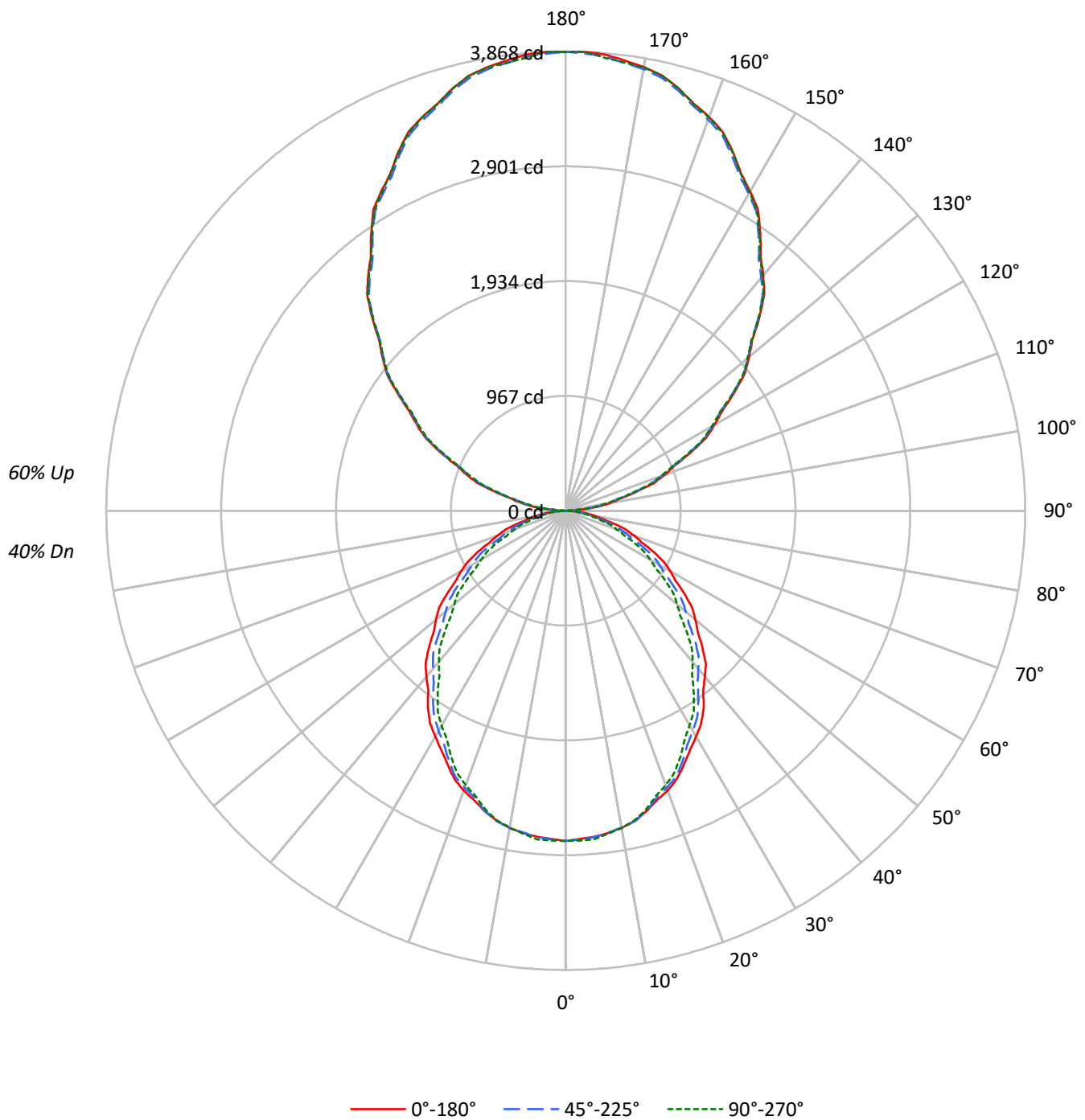
Input Watts (W): 144.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	62	62	62	47	47	47
1	96	92	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	35	34
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	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	18	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	27	22	18	22	18	15	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15735	15735	15735
5°	15661	15672	15779
10°	15592	15570	15570
15°	15354	15354	15262
20°	15106	14951	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°	262.4	1.6
10°-20°	737.3	4.4
20°-30°	1070.4	6.4
30°-40°	1216.6	7.3
40°-50°	1181.0	7.1
50°-60°	997.1	6.0
60°-70°	709.4	4.3
70°-80°	379.0	2.3
80°-90°	100.1	0.6
90°-100°	163.3	1.0
100°-110°	638.8	3.8
110°-120°	1138.6	6.9
120°-130°	1540.9	9.3
130°-140°	1771.5	10.7
140°-150°	1777.6	10.7
150°-160°	1528.7	9.2
160°-170°	1034.8	6.2
170°-180°	365.0	2.2
0°-30°	2070.1	12.5
0°-40°	3286.7	19.8
0°-60°	5464.8	32.9
0°-90°	6653.4	40.1
90°-120°	1940.7	11.7
90°-150°	7030.6	42.3
90°-180°	9959.0	59.9
0°-180°	16612.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2781	2781	2781	2781	2781	
5°	2758	2792	2760	2756	2778	262
15°	2622	2645	2622	2606	2606	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	10
95°	157	142	127	119	122	179
105°	619	616	596	586	581	661
115°	1162	1167	1141	1138	1135	1151
125°	1730	1751	1716	1710	1713	1547
135°	2305	2328	2290	2273	2296	1777
145°	2856	2879	2832	2818	2844	1785
155°	3333	3362	3307	3293	3327	1533
165°	3680	3712	3662	3642	3680	1037
175°	3855	3890	3837	3814	3828	366
180°	3864	3864	3864	3864	3864	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2781.4	2781.4	2781.4	2781.4	2781.4
2.5°	2767.2	2795.0	2770.4	2773.7	2779.8
5°	2757.7	2792.5	2759.7	2756.3	2778.5
7.5°	2736.4	2768.1	2734.1	2726.2	2743.5
10°	2714.3	2749.1	2710.4	2700.7	2710.4
12.5°	2674.9	2711.1	2680.4	2664.4	2672.5
15°	2621.6	2644.7	2621.6	2605.8	2605.8
17.5°	2556.5	2580.8	2537.1	2526.0	2521.1
20°	2509.1	2530.3	2483.4	2467.5	2458.8
22.5°	2446.0	2465.6	2426.6	2397.2	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°	42.7	38.0	23.7	19.0	19.0
95°	157.0	142.5	127.4	118.6	121.5
97.5°	289.8	275.9	257.2	248.3	250.7
100°	382.2	370.6	349.6	340.7	340.7
102.5°	472.3	465.3	444.4	435.6	437.9
105°	619.2	616.4	595.5	586.5	580.7
107.5°	781.6	776.4	753.2	752.5	747.2
110°	885.9	883.0	862.2	859.2	856.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	992.6	996.6	973.6	970.6	967.7
115°	1161.5	1167.3	1140.7	1137.7	1134.8
117.5°	1334.5	1342.6	1314.3	1311.3	1306.0
120°	1445.9	1463.3	1428.1	1425.1	1422.2
122.5°	1559.7	1574.7	1541.9	1536.6	1536.0
125°	1730.3	1750.6	1715.5	1709.7	1712.6
127.5°	1901.0	1921.9	1889.2	1877.4	1883.8
130°	2014.8	2038.0	2002.9	1991.3	2000.0
132.5°	2130.9	2154.1	2119.1	2107.5	2120.8
135°	2305.1	2328.3	2290.3	2273.1	2296.3
137.5°	2475.2	2495.5	2453.9	2442.0	2466.3
140°	2586.6	2606.9	2562.9	2548.8	2577.7
142.5°	2695.7	2718.3	2669.6	2655.5	2686.8
145°	2856.2	2879.4	2832.5	2818.3	2844.4
147.5°	3010.3	3034.1	2986.6	2970.0	2996.7
150°	3105.1	3131.2	3081.4	3067.3	3096.2
152.5°	3197.6	3226.0	3173.9	3157.5	3193.4
155°	3333.3	3362.2	3306.6	3292.6	3327.3
157.5°	3455.3	3482.0	3431.6	3417.5	3447.6
160°	3528.8	3557.8	3505.1	3491.1	3525.9
162.5°	3592.8	3621.8	3573.9	3555.1	3589.9
165°	3679.9	3711.8	3662.2	3642.3	3679.9
167.5°	3752.8	3787.0	3734.4	3716.3	3754.0
170°	3795.5	3827.4	3774.7	3751.9	3789.6
172.5°	3823.9	3855.8	3803.2	3780.1	3806.2
175°	3854.7	3889.5	3837.0	3813.6	3828.1
177.5°	3868.4	3896.2	3854.2	3833.6	3866.0
180°	3863.6	3863.6	3863.6	3863.6	3863.6

(END OF REPORT)