

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: P1057160

Luminaire Tested: CB3-D-125U-085D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057160
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15432.2 lumens
Efficiency: N/A
Efficacy: 106.7 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

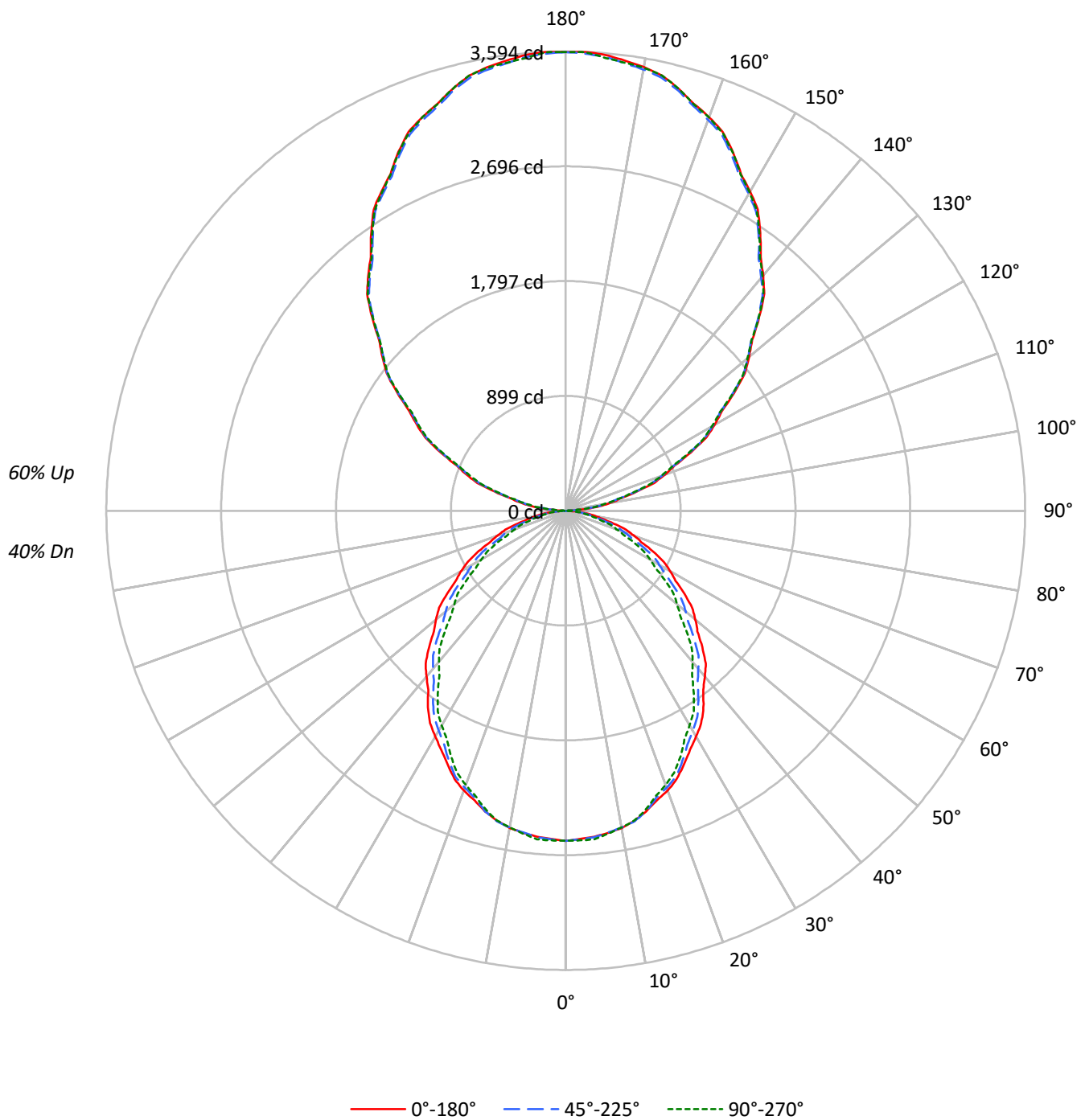
Input Watts (W): 144.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	14617	14617	14617
5°	14548	14558	14658
10°	14485	14464	14464
15°	14263	14263	14178
20°	14032	13889	13751
25°	13663	13491	13251
30°	13328	12981	12670
35°	12977	12496	12052
40°	12509	11914	11399
45°	12085	11395	10692
50°	11648	10777	10003
55°	11174	10180	9347
60°	10661	9562	8608
65°	10061	8859	7828
70°	9369	8036	6974
75°	8494	7051	6210
80°	7405	5913	5493
85°	5712	4998	4998

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.8	1.6
10°-20°	684.9	4.4
20°-30°	994.3	6.4
30°-40°	1130.1	7.3
40°-50°	1097.1	7.1
50°-60°	926.3	6.0
60°-70°	659.0	4.3
70°-80°	352.1	2.3
80°-90°	93.0	0.6
90°-100°	151.7	1.0
100°-110°	593.5	3.8
110°-120°	1057.7	6.9
120°-130°	1431.4	9.3
130°-140°	1645.6	10.7
140°-150°	1651.3	10.7
150°-160°	1420.1	9.2
160°-170°	961.3	6.2
170°-180°	339.0	2.2
0°-30°	1923.1	12.5
0°-40°	3053.2	19.8
0°-60°	5076.6	32.9
0°-90°	6180.7	40.1
90°-120°	1802.9	11.7
90°-150°	6531.1	42.3
90°-180°	9251.0	59.9
0°-180°	15432.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2584	2584	2584	2584	2584	
5°	2562	2594	2564	2560	2581	243
15°	2435	2457	2435	2421	2421	686
25°	2189	2196	2161	2132	2123	1009
35°	1879	1861	1809	1756	1745	1171
45°	1510	1487	1424	1356	1336	1165
55°	1133	1102	1032	966	948	1013
65°	752	725	662	603	585	744
75°	389	367	323	290	284	414
85°	88	81	77	77	77	104
90°	0	0	0	0	0	9
95°	146	132	118	110	113	167
105°	575	573	553	545	540	614
115°	1079	1084	1060	1057	1054	1069
125°	1607	1626	1594	1588	1591	1437
135°	2141	2163	2128	2112	2133	1651
145°	2653	2675	2631	2618	2642	1658
155°	3096	3123	3072	3059	3091	1424
165°	3418	3448	3402	3384	3418	963
175°	3581	3613	3564	3543	3556	340
180°	3589	3589	3589	3589	3589	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2583.8	2583.8	2583.8	2583.8	2583.8
2.5°	2570.6	2596.4	2573.5	2576.6	2582.3
5°	2561.8	2594.1	2563.6	2560.4	2581.1
7.5°	2542.0	2571.4	2539.8	2532.5	2548.6
10°	2521.5	2553.7	2517.8	2508.9	2517.8
12.5°	2484.8	2518.5	2490.0	2475.1	2482.6
15°	2435.3	2456.8	2435.3	2420.7	2420.7
17.5°	2374.8	2397.4	2356.9	2346.5	2342.0
20°	2330.8	2350.6	2307.0	2292.2	2284.1
22.5°	2272.2	2290.5	2254.2	2226.9	2219.6
25°	2188.8	2195.9	2161.3	2131.7	2122.8
27.5°	2107.7	2109.5	2061.9	2026.1	2014.3
30°	2040.3	2042.1	1987.1	1948.4	1939.5
32.5°	1972.8	1967.4	1915.3	1869.3	1863.2
35°	1879.0	1861.0	1809.3	1755.9	1745.1
37.5°	1765.7	1754.9	1693.8	1640.3	1624.2
40°	1693.8	1675.9	1613.2	1559.6	1543.5
42.5°	1622.0	1601.2	1536.9	1477.5	1459.9
45°	1510.5	1487.2	1424.3	1356.1	1336.4
47.5°	1398.3	1372.9	1303.7	1237.6	1215.7
50°	1323.5	1296.6	1224.5	1159.8	1136.5
52.5°	1247.3	1218.9	1146.8	1080.8	1061.8
55°	1132.9	1102.4	1032.1	965.7	947.7
57.5°	1018.5	988.4	918.4	855.6	834.1
60°	942.2	913.6	845.1	782.3	760.8
62.5°	864.5	837.3	770.3	709.0	688.9
65°	751.6	724.7	661.8	602.7	584.8
67.5°	639.8	616.8	554.7	500.5	486.1
70°	566.4	544.9	485.8	436.0	421.6
72.5°	496.0	473.1	416.9	374.5	364.4
75°	388.6	367.1	322.6	289.5	284.1
77.5°	290.4	272.8	234.3	215.5	212.6
80°	227.3	211.2	181.5	168.6	168.6
82.5°	168.6	155.4	136.0	130.5	130.5
85°	88.0	80.8	77.0	77.0	77.0
87.5°	26.4	26.4	24.9	23.5	23.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	39.6	35.3	22.0	17.6	17.6
95°	145.9	132.4	118.4	110.2	112.8
97.5°	269.2	256.3	238.9	230.7	232.9
100°	355.1	344.3	324.8	316.5	316.5
102.5°	438.7	432.3	412.9	404.7	406.8
105°	575.3	572.6	553.2	544.9	539.5
107.5°	726.1	721.2	699.7	699.0	694.2
110°	823.0	820.3	800.9	798.1	795.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	922.1	925.8	904.4	901.6	898.9
115°	1078.9	1084.3	1059.7	1056.9	1054.2
117.5°	1239.7	1247.2	1221.0	1218.1	1213.3
120°	1343.2	1359.3	1326.7	1323.8	1321.2
122.5°	1448.9	1462.9	1432.4	1427.4	1426.8
125°	1607.4	1626.2	1593.6	1588.2	1590.9
127.5°	1765.9	1785.3	1754.9	1744.1	1750.0
130°	1871.6	1893.2	1860.6	1849.8	1857.9
132.5°	1979.5	2001.1	1968.5	1957.8	1970.2
135°	2141.4	2162.9	2127.6	2111.6	2133.1
137.5°	2299.4	2318.2	2279.5	2268.5	2291.1
140°	2402.8	2421.7	2380.8	2367.7	2394.6
142.5°	2504.1	2525.1	2479.9	2466.8	2495.9
145°	2653.3	2674.8	2631.3	2618.1	2642.3
147.5°	2796.4	2818.5	2774.4	2759.0	2783.8
150°	2884.5	2908.7	2862.5	2849.3	2876.3
152.5°	2970.4	2996.8	2948.4	2933.2	2966.5
155°	3096.5	3123.4	3071.7	3058.7	3090.9
157.5°	3209.9	3234.6	3187.8	3174.7	3202.7
160°	3278.1	3305.0	3256.1	3243.1	3275.4
162.5°	3337.6	3364.5	3319.9	3302.5	3334.8
165°	3418.5	3448.1	3402.0	3383.5	3418.5
167.5°	3486.2	3517.9	3469.1	3452.3	3487.3
170°	3525.8	3555.4	3506.6	3485.3	3520.3
172.5°	3552.3	3581.9	3533.0	3511.5	3535.7
175°	3580.9	3613.2	3564.4	3542.6	3556.1
177.5°	3593.5	3619.4	3580.3	3561.2	3591.3
180°	3589.1	3589.1	3589.1	3589.1	3589.1

(END OF REPORT)