

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: P1057156

Luminaire Tested: CB3-D-125U-030D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057156
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-030D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 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: 12241.7 lumens
Efficiency: N/A
Efficacy: 112.0 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

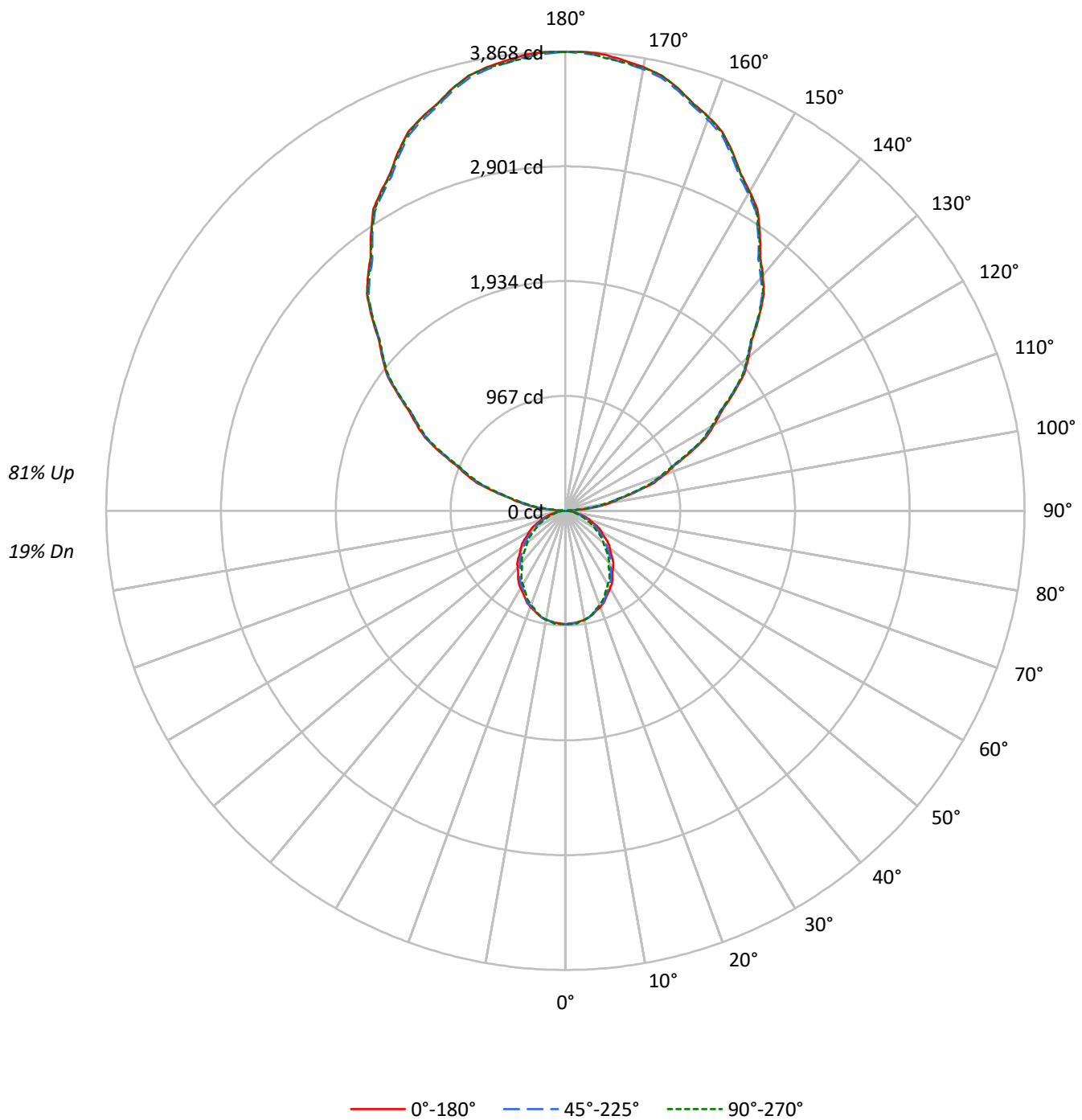
Input Watts (W): 109.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27
1	91	87	83	80	80	77	74	71	58	56	54	40	39	38	24	24	23
2	83	76	70	65	73	67	62	58	51	47	45	35	33	32	21	20	20
3	75	67	60	54	66	59	53	49	45	41	38	31	29	27	19	18	17
4	69	59	51	46	60	52	46	41	40	35	32	28	25	23	17	16	14
5	63	52	45	39	55	46	40	35	35	31	27	25	22	20	15	14	13
6	58	47	39	34	51	41	35	30	32	27	24	22	20	17	14	12	11
7	53	42	34	29	47	37	31	26	29	24	21	20	17	15	13	11	10
8	49	38	31	26	44	34	27	23	26	21	18	18	16	13	12	10	9
9	46	34	27	23	40	31	25	20	24	19	16	17	14	12	11	9	8
10	43	31	25	20	38	28	22	18	22	17	14	16	13	11	10	8	7

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5407	5407	5407
5°	5382	5386	5433
10°	5359	5351	5351
15°	5277	5277	5245
20°	5192	5139	5076
25°	5044	4981	4892
30°	4920	4792	4677
35°	4791	4613	4450
40°	4618	4398	4208
45°	4461	4207	3947
50°	4300	3979	3693
55°	4125	3758	3451
60°	3935	3530	3177
65°	3715	3270	2890
70°	3459	2966	2575
75°	3137	2603	2293
80°	2733	2183	2030
85°	2110	1843	1843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	0.7
10°-20°	253.4	2.1
20°-30°	367.3	3.0
30°-40°	417.2	3.4
40°-50°	405.0	3.3
50°-60°	342.0	2.8
60°-70°	243.3	2.0
70°-80°	130.0	1.1
80°-90°	34.3	0.3
90°-100°	163.3	1.3
100°-110°	638.8	5.2
110°-120°	1138.6	9.3
120°-130°	1540.9	12.6
130°-140°	1771.5	14.5
140°-150°	1777.6	14.5
150°-160°	1528.7	12.5
160°-170°	1034.8	8.5
170°-180°	365.0	3.0
0°-30°	710.9	5.8
0°-40°	1128.1	9.2
0°-60°	1875.1	15.3
0°-90°	2282.7	18.6
90°-120°	1940.7	15.9
90°-150°	7030.6	57.4
90°-180°	9959.0	81.4
0°-180°	12241.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	948	960	948	947	957	90
15°	901	909	901	896	896	254
25°	808	811	798	787	784	373
35°	694	687	668	648	644	432
45°	558	549	526	501	493	430
55°	418	407	381	356	350	374
65°	278	268	244	222	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	38
90°	0	0	0	0	0	7
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°	955.8	955.8	955.8	955.8	955.8
2.5°	950.9	960.5	952.0	953.2	955.3
5°	947.7	959.6	948.4	947.2	956.7
7.5°	940.4	951.2	939.6	936.9	942.8
10°	932.8	944.7	931.5	928.1	931.5
12.5°	919.3	931.7	921.2	915.7	918.5
15°	901.0	908.9	901.0	895.6	895.6
17.5°	878.7	887.0	872.0	868.2	866.2
20°	862.4	869.7	853.6	848.1	843.2
22.5°	840.8	847.5	834.1	822.5	819.4
25°	808.0	810.7	797.9	787.0	783.7
27.5°	778.1	778.8	761.2	748.0	743.6
30°	753.2	753.9	733.6	719.3	716.0
32.5°	728.3	726.3	707.1	690.1	687.8
35°	693.7	687.0	667.9	648.2	644.3
37.5°	651.8	647.9	625.3	605.5	599.6
40°	625.3	618.7	595.5	575.8	569.8
42.5°	598.8	591.1	567.4	545.4	539.0
45°	557.6	549.0	525.8	500.6	493.3
47.5°	516.2	506.8	481.3	456.9	448.8
50°	488.6	478.7	452.1	428.2	419.6
52.5°	460.5	450.0	423.4	399.0	392.0
55°	418.2	407.0	381.0	356.5	349.9
57.5°	376.0	364.9	339.0	315.9	307.9
60°	347.8	337.3	312.0	288.8	280.8
62.5°	319.2	309.1	284.4	261.7	254.3
65°	277.5	267.5	244.3	222.5	215.9
67.5°	236.2	227.7	204.8	184.8	179.5
70°	209.1	201.2	179.3	160.9	155.7
72.5°	183.1	174.7	153.9	138.2	134.5
75°	143.5	135.5	119.1	106.9	104.9
77.5°	107.2	100.7	86.5	79.6	78.5
80°	83.9	78.0	67.0	62.3	62.3
82.5°	62.3	57.4	50.2	48.2	48.2
85°	32.5	29.8	28.4	28.4	28.4
87.5°	9.7	9.7	9.2	8.7	8.7
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)