

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: P1057157

Luminaire Tested: CB3-D-125U-055D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057157
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-055D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 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: 13301.2 lumens
Efficiency: N/A
Efficacy: 106.2 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

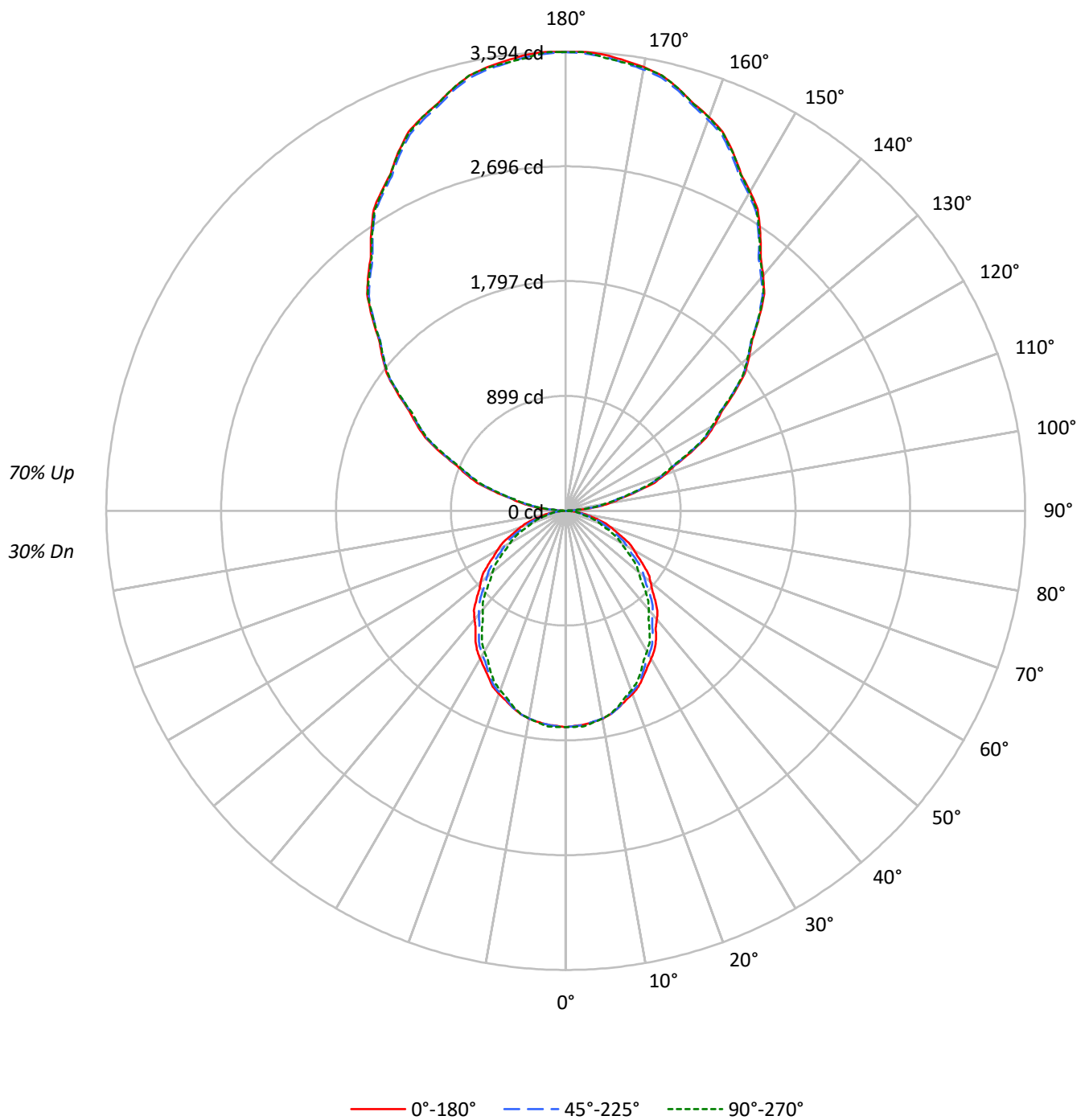
Input Watts (W): 125.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	102	102	102	102	92	92	92	92	72	72	72	55	55	55	38	38	38
1	94	89	86	82	84	80	77	74	64	61	60	48	47	46	34	33	32
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	29	27
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	23
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	21	19	18
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	19	17	16
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14
8	51	39	32	27	46	36	29	25	29	24	21	22	19	16	16	14	12
9	48	36	29	24	43	33	26	22	26	22	18	21	17	15	15	13	11
10	44	33	26	21	40	30	24	20	24	20	16	19	16	13	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9582	9582	9582
5°	9537	9543	9614
10°	9495	9481	9481
15°	9350	9350	9294
20°	9199	9105	9009
25°	8951	8838	8681
30°	8732	8505	8300
35°	8502	8187	7896
40°	8195	7805	7468
45°	7917	7466	7005
50°	7631	7061	6553
55°	7320	6668	6124
60°	6984	6264	5639
65°	6591	5804	5128
70°	6138	5265	4569
75°	5565	4621	4070
80°	4851	3874	3600
85°	3739	3271	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7917 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.8	1.2
10°-20°	449.0	3.4
20°-30°	651.5	4.9
30°-40°	740.4	5.6
40°-50°	718.8	5.4
50°-60°	606.8	4.6
60°-70°	431.8	3.2
70°-80°	230.7	1.7
80°-90°	60.9	0.5
90°-100°	151.7	1.1
100°-110°	593.5	4.5
110°-120°	1057.7	8.0
120°-130°	1431.4	10.8
130°-140°	1645.6	12.4
140°-150°	1651.3	12.4
150°-160°	1420.1	10.7
160°-170°	961.3	7.2
170°-180°	339.0	2.5
0°-30°	1260.3	9.5
0°-40°	2000.8	15.0
0°-60°	3326.4	25.0
0°-90°	4049.7	30.4
90°-120°	1802.9	13.6
90°-150°	6531.1	49.1
90°-180°	9251.0	69.5
0°-180°	13301.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1694	1694	1694	1694	1694	
5°	1679	1700	1680	1678	1693	159
15°	1596	1610	1596	1587	1587	450
25°	1434	1439	1416	1397	1391	661
35°	1231	1219	1185	1150	1143	767
45°	990	974	933	888	876	763
55°	742	722	676	633	621	664
65°	492	475	434	395	383	488
75°	255	240	211	190	186	271
85°	58	53	50	50	50	68
90°	0	0	0	0	0	8
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°	1693.7	1693.7	1693.7	1693.7	1693.7
2.5°	1685.1	1702.0	1687.0	1689.0	1692.8
5°	1679.3	1700.4	1680.5	1678.4	1692.9
7.5°	1666.3	1685.6	1664.9	1660.1	1670.7
10°	1652.9	1674.0	1650.5	1644.6	1650.5
12.5°	1628.9	1650.9	1632.2	1622.5	1627.4
15°	1596.4	1610.5	1596.4	1586.8	1586.8
17.5°	1556.8	1571.6	1545.0	1538.2	1535.1
20°	1528.0	1540.9	1512.4	1502.6	1496.4
22.5°	1489.6	1501.5	1477.8	1459.1	1454.1
25°	1434.0	1438.7	1415.9	1396.6	1390.7
27.5°	1380.9	1382.1	1350.9	1327.4	1319.6
30°	1336.7	1337.9	1301.9	1276.5	1270.6
32.5°	1292.5	1289.0	1254.8	1224.7	1220.7
35°	1231.0	1219.3	1185.4	1150.4	1143.3
37.5°	1156.8	1149.7	1109.7	1074.6	1064.1
40°	1109.7	1098.0	1056.9	1021.8	1011.2
42.5°	1062.6	1049.0	1006.9	968.0	956.5
45°	989.6	974.3	933.2	888.4	875.5
47.5°	916.1	899.4	854.1	810.8	796.5
50°	867.1	849.5	802.3	759.9	744.6
52.5°	817.1	798.6	751.3	708.1	695.6
55°	742.2	722.2	676.1	632.6	620.9
57.5°	667.3	647.5	601.7	560.5	546.4
60°	617.3	598.5	553.6	512.5	498.4
62.5°	566.4	548.5	504.6	464.5	451.3
65°	492.4	474.8	433.6	394.9	383.1
67.5°	419.1	404.1	363.4	327.9	318.5
70°	371.1	357.0	318.3	285.6	276.2
72.5°	325.0	310.0	273.1	245.3	238.8
75°	254.6	240.5	211.4	189.7	186.2
77.5°	190.2	178.7	153.5	141.2	139.3
80°	148.9	138.4	118.9	110.5	110.5
82.5°	110.5	101.8	89.1	85.5	85.5
85°	57.6	52.9	50.4	50.4	50.4
87.5°	17.3	17.3	16.3	15.4	15.4
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)