

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: P1057159

Luminaire Tested: CB3-D-125U-055D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057159
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14318.5 lumens
Efficiency: N/A
Efficacy: 114.3 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

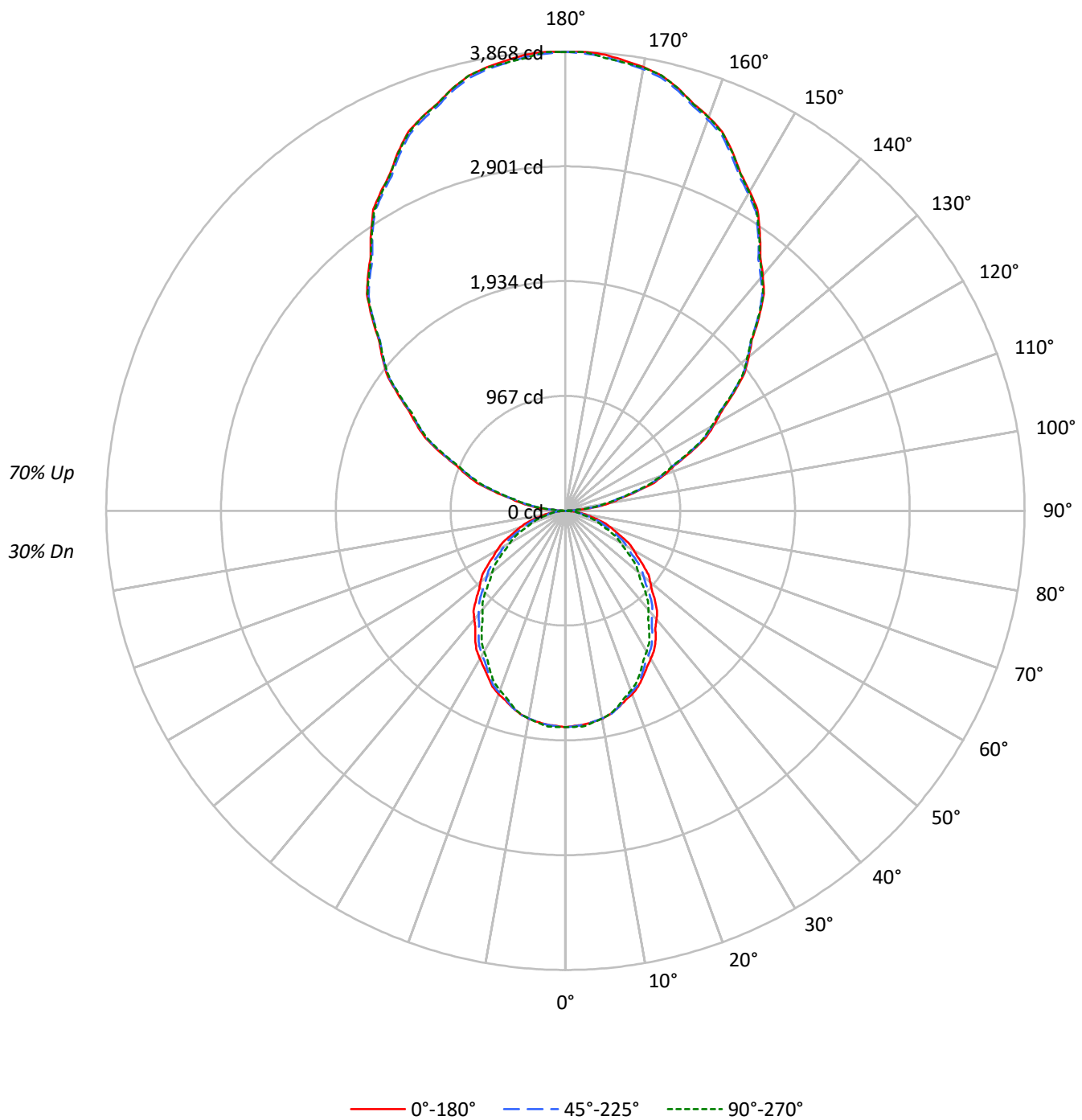
Input Watts (W): 125.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	10315	10315	10315
5°	10266	10273	10349
10°	10221	10206	10206
15°	10065	10065	10005
20°	9903	9801	9698
25°	9635	9514	9345
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8402	8039
45°	8523	8037	7541
50°	8215	7601	7055
55°	7881	7179	6593
60°	7519	6743	6070
65°	7096	6247	5521
70°	6608	5667	4918
75°	5991	4973	4380
80°	5222	4170	3874
85°	4031	3525	3525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8523 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.0	1.2
10°-20°	483.3	3.4
20°-30°	701.4	4.9
30°-40°	797.0	5.6
40°-50°	773.7	5.4
50°-60°	653.3	4.6
60°-70°	464.8	3.2
70°-80°	248.3	1.7
80°-90°	65.6	0.5
90°-100°	163.3	1.1
100°-110°	638.8	4.5
110°-120°	1138.6	8.0
120°-130°	1540.9	10.8
130°-140°	1771.5	12.4
140°-150°	1777.6	12.4
150°-160°	1528.7	10.7
160°-170°	1034.8	7.2
170°-180°	365.0	2.5
0°-30°	1356.7	9.5
0°-40°	2153.8	15.0
0°-60°	3580.8	25.0
0°-90°	4359.5	30.4
90°-120°	1940.7	13.6
90°-150°	7030.6	49.1
90°-180°	9959.0	69.6
0°-180°	14318.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1823	1823	1823	1823	1823	
5°	1808	1830	1809	1807	1822	172
15°	1718	1734	1718	1708	1708	484
25°	1544	1549	1524	1503	1497	712
35°	1325	1312	1276	1238	1231	826
45°	1065	1049	1004	956	942	822
55°	799	778	728	681	668	714
65°	530	511	467	425	412	525
75°	274	259	228	204	200	292
85°	62	57	54	54	54	74
90°	0	0	0	0	0	8
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°	1823.3	1823.3	1823.3	1823.3	1823.3
2.5°	1814.0	1832.2	1816.0	1818.2	1822.2
5°	1807.7	1830.5	1809.0	1806.8	1822.3
7.5°	1793.8	1814.5	1792.2	1787.1	1798.4
10°	1779.3	1802.1	1776.7	1770.4	1776.7
12.5°	1753.4	1777.2	1757.1	1746.6	1751.9
15°	1718.5	1733.7	1718.5	1708.2	1708.2
17.5°	1675.9	1691.8	1663.2	1655.9	1652.5
20°	1644.9	1658.8	1628.0	1617.5	1610.9
22.5°	1603.5	1616.4	1590.8	1570.7	1565.4
25°	1543.6	1548.7	1524.2	1503.4	1497.1
27.5°	1486.5	1487.8	1454.2	1428.9	1420.6
30°	1438.9	1440.2	1401.4	1374.1	1367.8
32.5°	1391.3	1387.5	1350.7	1318.3	1314.0
35°	1325.1	1312.5	1276.0	1238.4	1230.8
37.5°	1245.2	1237.7	1194.6	1156.8	1145.4
40°	1194.6	1181.9	1137.7	1099.9	1088.6
42.5°	1143.9	1129.2	1083.9	1042.0	1029.6
45°	1065.3	1048.9	1004.5	956.4	942.5
47.5°	986.2	968.2	919.5	872.8	857.4
50°	933.4	914.5	863.6	818.0	801.6
52.5°	879.6	859.7	808.8	762.2	748.8
55°	799.0	777.5	727.9	681.0	668.4
57.5°	718.3	697.1	647.7	603.4	588.2
60°	664.5	644.3	596.0	551.7	536.5
62.5°	609.7	590.5	543.2	500.0	485.8
65°	530.1	511.1	466.7	425.1	412.4
67.5°	451.2	435.0	391.2	353.0	342.9
70°	399.5	384.3	342.6	307.5	297.3
72.5°	349.8	333.7	294.0	264.1	257.0
75°	274.1	258.9	227.5	204.2	200.4
77.5°	204.8	192.4	165.2	152.0	150.0
80°	160.3	148.9	128.0	118.9	118.9
82.5°	118.9	109.6	95.9	92.0	92.0
85°	62.1	57.0	54.3	54.3	54.3
87.5°	18.6	18.6	17.6	16.5	16.5
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)