

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439593

Luminaire Tested: CB3-D-125U-030D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439593
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-125U-030D-927-1D-UNV-STD-W-4
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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

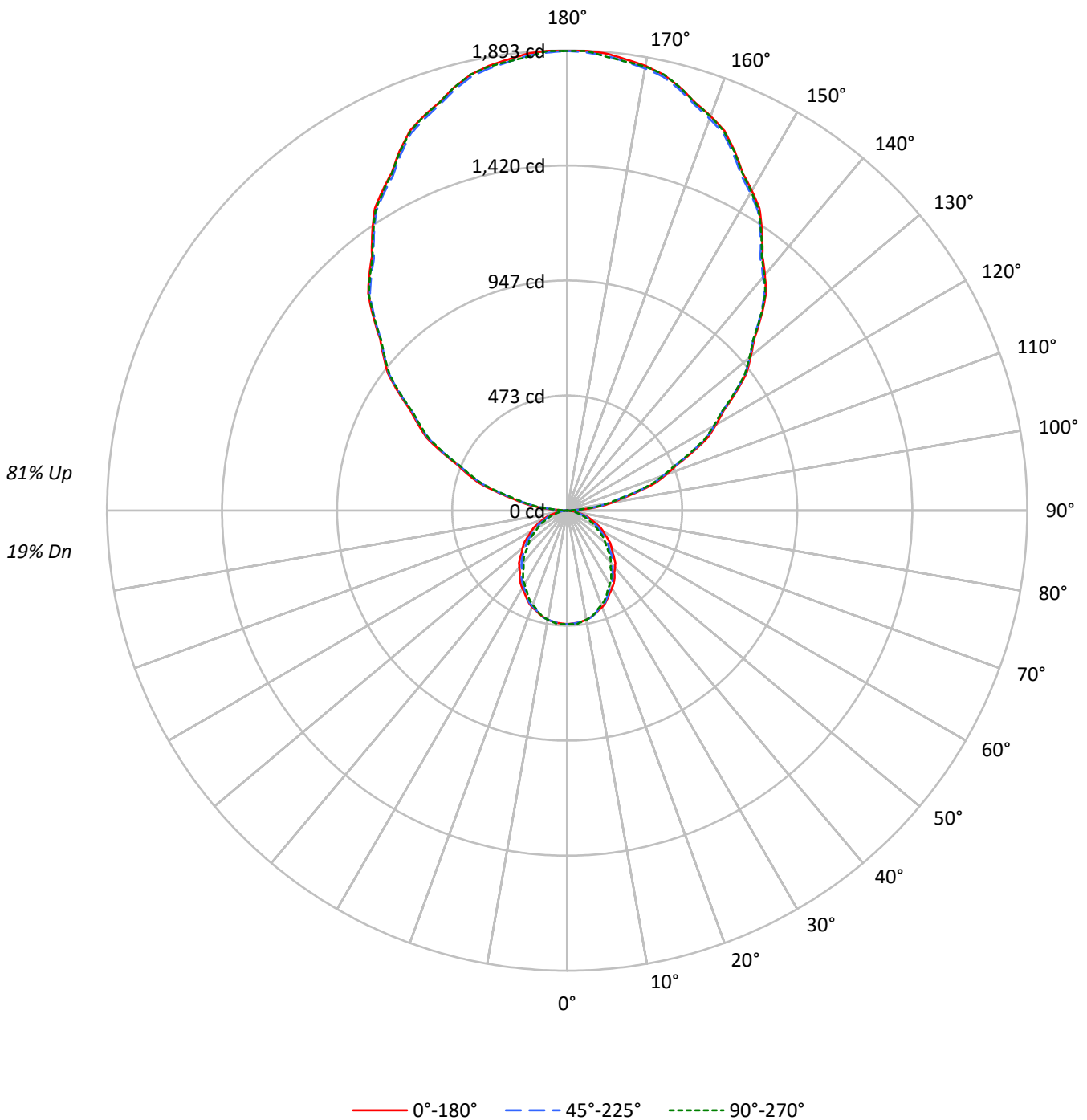
Lumens per Lamp: N/A
Luminaire Lumens: 5990.4 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 45.8
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19
1	91	87	83	80	80	77	74	71	58	56	54	40	39	38	24	24	23	16
2	83	76	70	65	73	67	62	58	51	47	45	35	33	32	21	20	20	13
3	75	67	60	54	66	59	53	49	45	41	38	31	29	27	19	18	17	11
4	69	59	51	46	60	52	46	41	40	35	32	28	25	23	17	16	14	10
5	63	52	45	39	55	46	40	35	35	31	27	25	22	20	15	14	13	9
6	58	47	39	34	51	41	35	30	32	27	24	22	20	17	14	12	11	8
7	53	42	34	29	47	37	31	26	29	24	21	20	17	15	13	11	10	7
8	49	38	31	26	44	34	27	23	26	21	18	18	16	13	12	10	9	6
9	46	34	27	23	40	31	25	20	24	19	16	17	14	12	11	9	8	5
10	43	31	25	20	38	28	22	18	22	17	14	16	13	11	10	8	7	5

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5292	5292	5292
5°	5267	5271	5318
10°	5245	5237	5237
15°	5165	5165	5133
20°	5081	5029	4968
25°	4936	4874	4788
30°	4816	4690	4578
35°	4688	4515	4355
40°	4520	4304	4118
45°	4367	4117	3863
50°	4209	3894	3614
55°	4038	3677	3377
60°	3851	3455	3109
65°	3636	3199	2827
70°	3384	2905	2521
75°	3069	2549	2243
80°	2678	2137	1987
85°	2064	1805	1805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4367 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	0.7
10°-20°	124.0	2.1
20°-30°	179.7	3.0
30°-40°	204.2	3.4
40°-50°	198.2	3.3
50°-60°	167.3	2.8
60°-70°	119.1	2.0
70°-80°	63.6	1.1
80°-90°	16.8	0.3
90°-100°	79.9	1.3
100°-110°	312.6	5.2
110°-120°	557.2	9.3
120°-130°	754.0	12.6
130°-140°	866.9	14.5
140°-150°	869.8	14.5
150°-160°	748.0	12.5
160°-170°	506.4	8.5
170°-180°	178.6	3.0
0°-30°	347.9	5.8
0°-40°	552.0	9.2
0°-60°	917.6	15.3
0°-90°	1117.0	18.6
90°-120°	949.7	15.9
90°-150°	3440.4	57.4
90°-180°	4873.0	81.3
0°-180°	5990.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	468	468	468	468	468	
5°	464	470	464	464	468	44
15°	441	445	441	438	438	124
25°	395	397	390	385	384	182
35°	339	336	327	317	315	212
45°	273	269	257	245	241	210
55°	205	199	186	174	171	183
65°	136	131	120	109	106	134
75°	70	66	58	52	51	75
85°	16	15	14	14	14	19
90°	0	0	0	0	0	4
95°	77	70	62	58	59	88
105°	303	302	291	287	284	323
115°	568	571	558	557	555	563
125°	847	857	840	837	838	757
135°	1128	1139	1121	1112	1124	870
145°	1398	1409	1386	1379	1392	873
155°	1631	1645	1618	1611	1628	750
165°	1801	1816	1792	1782	1801	507
175°	1886	1903	1878	1866	1873	179
180°	1891	1891	1891	1891	1891	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	467.7	467.7	467.7	467.7	467.7
2.5°	465.3	470.0	465.9	466.4	467.5
5°	463.7	469.6	464.1	463.5	468.2
7.5°	460.2	465.5	459.8	458.5	461.4
10°	456.5	462.3	455.8	454.2	455.8
12.5°	449.8	455.9	450.8	448.1	449.4
15°	440.9	444.8	440.9	438.2	438.2
17.5°	430.0	434.1	426.7	424.8	423.9
20°	422.0	425.6	417.7	415.0	412.6
22.5°	411.4	414.7	408.2	402.5	401.0
25°	395.4	396.7	390.4	385.1	383.5
27.5°	380.8	381.1	372.5	366.0	363.9
30°	368.6	368.9	359.0	352.0	350.4
32.5°	356.4	355.4	346.0	337.7	336.6
35°	339.4	336.2	326.9	317.2	315.3
37.5°	319.0	317.0	306.0	296.3	293.4
40°	306.0	302.8	291.4	281.8	278.8
42.5°	293.0	289.3	277.6	266.9	263.7
45°	272.9	268.7	257.3	245.0	241.4
47.5°	252.6	248.0	235.5	223.6	219.6
50°	239.1	234.2	221.2	209.5	205.3
52.5°	225.3	220.2	207.2	195.2	191.8
55°	204.7	199.2	186.4	174.4	171.2
57.5°	184.0	178.6	165.9	154.6	150.7
60°	170.2	165.0	152.7	141.3	137.4
62.5°	156.2	151.3	139.2	128.1	124.4
65°	135.8	130.9	119.5	108.9	105.6
67.5°	115.6	111.4	100.2	90.4	87.8
70°	102.3	98.4	87.8	78.8	76.2
72.5°	89.6	85.5	75.3	67.6	65.8
75°	70.2	66.3	58.3	52.3	51.3
77.5°	52.5	49.3	42.3	38.9	38.4
80°	41.1	38.1	32.8	30.5	30.5
82.5°	30.5	28.1	24.6	23.6	23.6
85°	15.9	14.6	13.9	13.9	13.9
87.5°	4.8	4.8	4.5	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	20.9	18.6	11.6	9.3	9.3
95°	76.8	69.8	62.3	58.0	59.4
97.5°	141.8	135.0	125.8	121.5	122.7
100°	187.0	181.4	171.1	166.7	166.7
102.5°	231.1	227.7	217.5	213.2	214.3
105°	303.0	301.6	291.4	287.0	284.2
107.5°	382.5	379.9	368.6	368.2	365.7
110°	433.5	432.1	421.9	420.4	419.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	485.7	487.7	476.4	474.9	473.5
115°	568.4	571.2	558.2	556.7	555.3
117.5°	653.0	657.0	643.2	641.7	639.1
120°	707.5	716.0	698.8	697.4	695.9
122.5°	763.2	770.6	754.5	751.9	751.6
125°	846.7	856.7	839.5	836.6	838.0
127.5°	930.2	940.5	924.4	918.7	921.8
130°	985.9	997.3	980.1	974.4	978.7
132.5°	1042.8	1054.1	1037.0	1031.3	1037.8
135°	1128.0	1139.3	1120.8	1112.3	1123.7
137.5°	1211.2	1221.2	1200.8	1195.0	1206.9
140°	1265.7	1275.7	1254.1	1247.2	1261.4
142.5°	1319.1	1330.2	1306.3	1299.4	1314.8
145°	1397.7	1409.0	1386.1	1379.1	1391.9
147.5°	1473.1	1484.7	1461.5	1453.4	1466.4
150°	1519.5	1532.2	1507.9	1500.9	1515.1
152.5°	1564.7	1578.6	1553.1	1545.1	1562.7
155°	1631.1	1645.3	1618.1	1611.2	1628.2
157.5°	1690.8	1703.9	1679.3	1672.3	1687.1
160°	1726.8	1741.0	1715.2	1708.3	1725.4
162.5°	1758.1	1772.3	1748.8	1739.7	1756.7
165°	1800.8	1816.3	1792.1	1782.3	1800.8
167.5°	1836.4	1853.1	1827.4	1818.6	1837.0
170°	1857.3	1872.9	1847.1	1836.0	1854.4
172.5°	1871.2	1886.8	1861.1	1849.8	1862.5
175°	1886.3	1903.3	1877.6	1866.2	1873.2
177.5°	1893.0	1906.6	1886.0	1875.9	1891.8
180°	1890.6	1890.6	1890.6	1890.6	1890.6



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	8.83	9.46	10.02	10.63	12.29	7.75	8.38	8.94	9.55	11.21
	3H	10.48	11.04	11.67	12.22	13.89	9.15	9.71	10.34	10.89	12.56
	4H	11.10	11.63	12.30	12.81	14.49	9.65	10.19	10.85	11.37	13.04
	6H	11.47	11.96	12.68	13.14	14.83	9.96	10.45	11.17	11.63	13.32
	8H	11.60	12.07	12.81	13.26	14.94	10.07	10.55	11.29	11.74	13.41
	12H	11.66	12.11	12.87	13.29	14.99	10.14	10.59	11.36	11.77	13.47
4H	2H	9.21	9.75	10.42	10.92	12.60	8.35	8.89	9.56	10.06	11.74
	3H	11.08	11.52	12.29	12.72	14.41	9.95	10.40	11.16	11.60	13.28
	4H	11.81	12.23	13.03	13.42	15.12	10.54	10.96	11.76	12.14	13.85
	6H	12.30	12.66	13.52	13.87	15.56	10.94	11.30	12.16	12.51	14.20
	8H	12.49	12.82	13.71	14.02	15.73	11.11	11.44	12.32	12.64	14.35
	12H	12.58	12.88	13.81	14.09	15.80	11.20	11.50	12.43	12.71	14.43
8H	4H	11.93	12.26	13.14	13.46	15.17	10.79	11.12	12.00	12.32	14.03
	6H	12.54	12.81	13.77	14.05	15.76	11.31	11.58	12.54	12.82	14.53
	8H	12.81	13.05	14.05	14.26	15.99	11.56	11.79	12.80	13.01	14.74
	12H	12.96	13.17	14.21	14.39	16.15	11.72	11.93	12.96	13.15	14.90
12H	4H	11.89	12.19	13.12	13.40	15.11	10.78	11.08	12.01	12.29	14.00
	6H	12.55	12.79	13.79	14.01	15.73	11.36	11.60	12.60	12.82	14.55
	8H	12.84	13.05	14.08	14.26	16.02	11.63	11.84	12.88	13.06	14.82