

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: P1439338

Luminaire Tested: CB3-125U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439338
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-125U-055D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

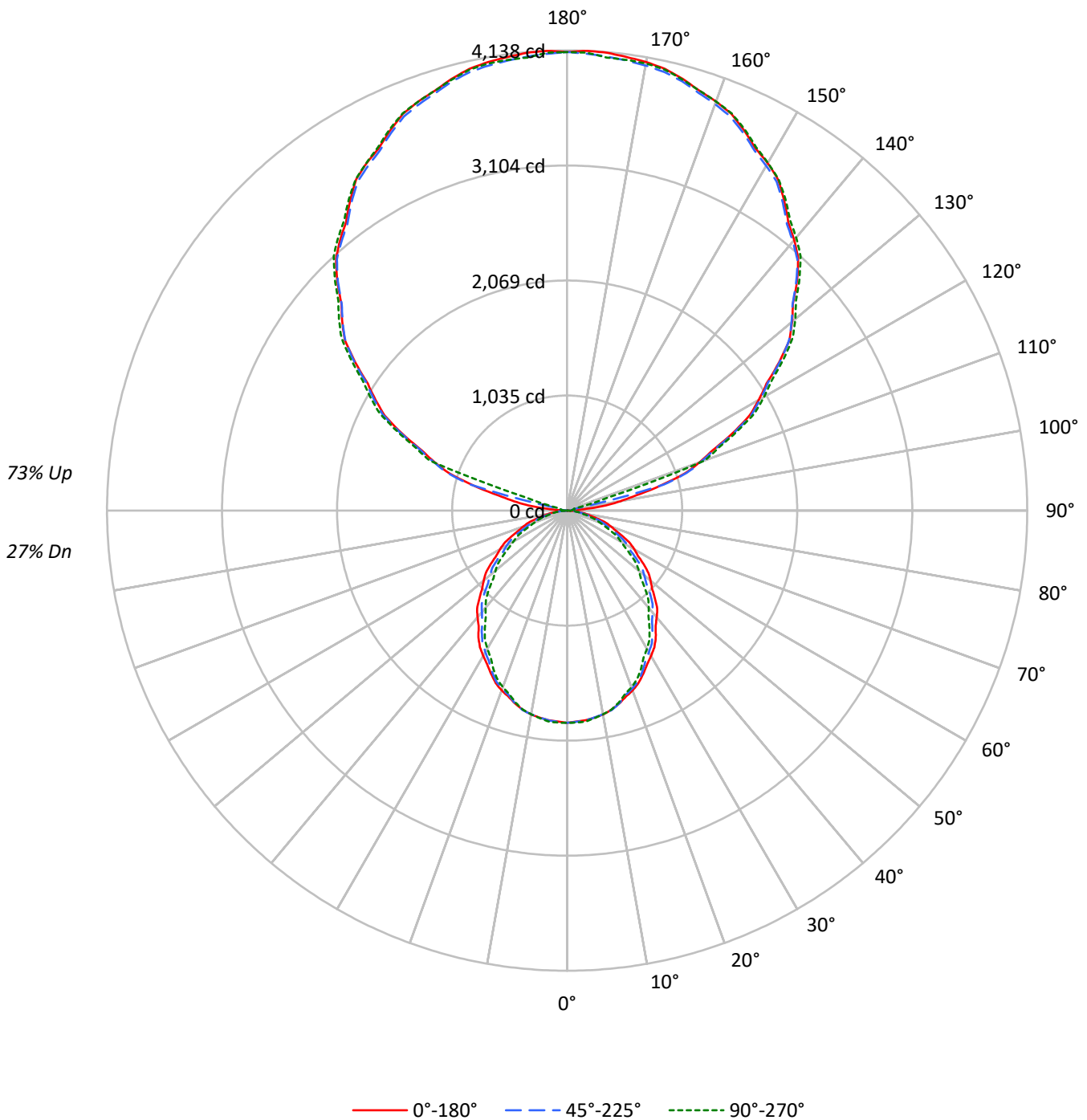
Lumens per Lamp: N/A
Luminaire Lumens: 16738.8 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 125.3
Input Voltage (V): 120
Input Current (A_{in}): 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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	74	62	60	58	46	45	44	31	31	30	23
2	85	77	72	67	75	69	65	60	54	51	48	40	38	36	28	26	25	20
3	77	68	61	56	69	61	55	50	48	44	41	36	33	31	25	23	22	17
4	71	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14
5	65	54	46	40	58	48	42	37	38	33	30	29	25	23	20	18	16	13
6	59	48	40	35	53	43	36	32	34	29	26	26	23	20	18	16	14	11
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	36	28	23	42	32	26	22	26	21	18	20	16	14	14	12	10	8
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10799	10799	10799
5°	10748	10756	10818
10°	10701	10685	10685
15°	10537	10537	10474
20°	10366	10260	10170
25°	10105	9977	9800
30°	9857	9601	9370
35°	9598	9241	8914
40°	9251	8811	8431
45°	8938	8428	7908
50°	8615	7971	7398
55°	8264	7529	6913
60°	7885	7072	6366
65°	7441	6551	5790
70°	6929	5943	5157
75°	6282	5215	4592
80°	5477	4372	4063
85°	4226	3693	3693

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8938 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.1	1.1
10°-20°	506.0	3.0
20°-30°	735.2	4.4
30°-40°	835.8	5.0
40°-50°	811.4	4.8
50°-60°	685.1	4.1
60°-70°	487.4	2.9
70°-80°	260.4	1.6
80°-90°	68.9	0.4
90°-100°	95.2	0.6
100°-110°	689.6	4.1
110°-120°	1639.4	9.8
120°-130°	2094.5	12.5
130°-140°	2259.2	13.5
140°-150°	2129.8	12.7
150°-160°	1737.4	10.4
160°-170°	1132.0	6.8
170°-180°	391.3	2.3
0°-30°	1421.3	8.5
0°-40°	2257.1	13.5
0°-60°	3753.6	22.4
0°-90°	4570.3	27.3
90°-120°	2424.2	14.5
90°-150°	8907.7	53.2
90°-180°	12168.0	72.7
0°-180°	16738.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1909	1909	1909	1909	1909	
5°	1893	1916	1894	1892	1905	180
15°	1799	1815	1799	1788	1788	507
25°	1619	1624	1598	1577	1570	746
35°	1390	1376	1338	1299	1291	866
45°	1117	1100	1053	1003	988	862
55°	838	815	763	714	701	749
65°	556	536	489	446	432	551
75°	287	272	239	214	210	306
85°	65	60	57	57	57	77
90°	0	0	0	3	0	9
95°	174	31	40	44	44	215
105°	873	885	898	65	68	921
115°	1638	1650	1653	1678	1687	1615
125°	2327	2342	2337	2362	2377	2077
135°	2924	2939	2914	2937	2955	2252
145°	3402	3424	3381	3403	3421	2129
155°	3769	3799	3747	3757	3781	1738
165°	4018	4039	3996	3984	4011	1134
175°	4132	4154	4098	4077	4089	393
180°	4123	4123	4123	4123	4123	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1908.9	1908.9	1908.9	1908.9	1908.9
2.5°	1899.2	1918.2	1901.3	1903.6	1907.8
5°	1892.6	1916.5	1894.0	1891.6	1904.9
7.5°	1878.0	1899.7	1876.4	1871.0	1882.9
10°	1862.8	1886.7	1860.1	1853.5	1860.1
12.5°	1835.7	1860.6	1839.5	1828.5	1834.1
15°	1799.1	1815.0	1799.1	1788.3	1788.3
17.5°	1754.4	1771.1	1741.1	1733.4	1730.5
20°	1721.8	1736.4	1704.2	1693.3	1689.3
22.5°	1678.4	1692.0	1665.2	1646.6	1641.6
25°	1618.8	1624.1	1598.4	1576.6	1570.0
27.5°	1558.9	1560.2	1525.0	1498.5	1489.7
30°	1509.0	1510.3	1469.7	1441.0	1434.4
32.5°	1459.1	1455.1	1416.5	1382.5	1378.0
35°	1389.7	1376.4	1338.1	1298.6	1290.7
37.5°	1305.9	1297.9	1252.7	1213.1	1201.2
40°	1252.7	1239.5	1193.1	1153.5	1141.6
42.5°	1199.6	1184.2	1136.7	1092.7	1079.7
45°	1117.2	1099.9	1053.4	1002.9	988.4
47.5°	1034.2	1015.4	964.2	915.3	899.1
50°	978.9	959.0	905.7	857.8	840.6
52.5°	922.5	901.5	848.2	799.3	785.3
55°	837.9	815.3	763.3	714.2	700.9
57.5°	753.3	731.0	679.2	632.8	616.9
60°	696.9	675.7	625.0	578.6	562.6
62.5°	639.4	619.2	569.7	524.3	509.5
65°	555.9	536.0	489.4	445.7	432.5
67.5°	473.2	456.2	410.3	370.2	359.5
70°	418.9	403.0	359.3	322.4	311.8
72.5°	366.9	349.9	308.3	276.9	269.5
75°	287.4	271.5	238.6	214.1	210.1
77.5°	214.8	201.8	173.3	159.4	157.3
80°	168.1	156.2	134.2	124.7	124.7
82.5°	124.7	114.9	100.6	96.5	96.5
85°	65.1	59.8	56.9	56.9	56.9
87.5°	19.5	19.5	18.4	18.0	17.4
90°	0.0	0.0	0.0	3.0	0.0
92.5°	47.2	18.1	14.9	18.0	17.4
95°	174.0	31.2	40.4	43.5	43.5
97.5°	350.5	343.8	47.2	56.6	57.2
100°	484.7	499.9	49.7	59.1	62.1
102.5°	633.9	646.6	92.0	61.6	64.6
105°	873.1	885.3	898.0	65.3	68.4
107.5°	1111.1	1120.2	1128.5	1015.9	380.3
110°	1267.7	1276.8	1280.2	1311.4	1317.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1414.4	1425.9	1431.8	1458.1	1469.1
115°	1637.5	1649.6	1653.0	1678.1	1687.2
117.5°	1849.4	1862.1	1868.0	1888.2	1902.8
120°	1988.6	2003.8	2007.2	2032.4	2044.5
122.5°	2125.3	2142.9	2141.5	2164.2	2181.2
125°	2327.3	2342.5	2336.6	2361.8	2377.0
127.5°	2519.3	2528.4	2515.6	2546.3	2559.1
130°	2641.1	2650.2	2634.9	2663.2	2678.4
132.5°	2752.9	2766.9	2749.2	2775.0	2790.2
135°	2923.8	2939.0	2914.5	2936.7	2954.9
137.5°	3076.1	3094.3	3064.9	3090.7	3106.5
140°	3175.5	3193.7	3156.9	3185.3	3203.5
142.5°	3267.5	3290.6	3246.4	3272.3	3293.0
145°	3402.3	3423.6	3380.6	3402.8	3421.0
147.5°	3530.4	3548.6	3507.4	3523.2	3535.9
150°	3607.4	3625.6	3579.4	3595.3	3610.5
152.5°	3669.6	3695.1	3649.0	3660.1	3682.6
155°	3769.0	3799.4	3747.2	3757.1	3781.4
157.5°	3860.3	3887.7	3835.5	3844.0	3865.3
160°	3915.0	3942.4	3890.2	3893.8	3915.0
162.5°	3957.3	3982.2	3937.4	3931.2	3957.3
165°	4017.6	4038.8	3995.8	3984.0	4011.3
167.5°	4067.9	4092.2	4039.3	4029.4	4060.4
170°	4095.2	4119.5	4064.2	4049.4	4082.8
172.5°	4112.6	4134.5	4081.6	4061.7	4087.8
175°	4132.5	4153.8	4098.3	4076.9	4089.0
177.5°	4138.1	4155.1	4110.8	4091.6	4120.7
180°	4123.2	4123.2	4123.2	4123.2	4123.2



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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	12.82	13.50	13.95	14.62	16.18	11.74	12.42	12.87	13.54	15.11
	3H	14.47	15.08	15.61	16.21	17.79	13.14	13.75	14.28	14.88	16.46
	4H	15.09	15.67	16.24	16.80	18.39	13.65	14.23	14.80	15.36	16.94
	6H	15.47	16.00	16.62	17.13	18.73	13.96	14.49	15.11	15.62	17.22
	8H	15.60	16.11	16.76	17.26	18.84	14.07	14.58	15.23	15.73	17.32
	12H	15.66	16.14	16.82	17.28	18.89	14.14	14.62	15.31	15.77	17.38
4H	2H	13.20	13.78	14.36	14.91	16.50	12.34	12.92	13.50	14.06	15.64
	3H	15.08	15.56	16.24	16.72	18.31	13.95	14.43	15.11	15.59	17.18
	4H	15.82	16.26	16.98	17.41	19.02	14.55	14.99	15.71	16.14	17.75
	6H	16.31	16.69	17.48	17.86	19.46	14.95	15.33	16.12	16.50	18.10
	8H	16.50	16.85	17.66	18.01	19.63	15.11	15.47	16.28	16.63	18.25
	12H	16.59	16.91	17.77	18.08	19.71	15.21	15.53	16.39	16.70	18.33
8H	4H	15.93	16.29	17.10	17.45	19.07	14.79	15.15	15.96	16.31	17.93
	6H	16.54	16.84	17.73	18.04	19.66	15.31	15.61	16.50	16.81	18.43
	8H	16.82	17.07	18.01	18.25	19.89	15.56	15.82	16.76	17.00	18.64
	12H	16.97	17.20	18.17	18.38	20.05	15.73	15.96	16.93	17.13	18.81
12H	4H	15.90	16.22	17.08	17.39	19.02	14.79	15.11	15.97	16.28	17.91
	6H	16.56	16.81	17.75	17.99	19.63	15.37	15.63	16.56	16.81	18.44
	8H	16.85	17.07	18.05	18.25	19.92	15.64	15.87	16.84	17.04	18.72