

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: P1439606

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439606
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-055D-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

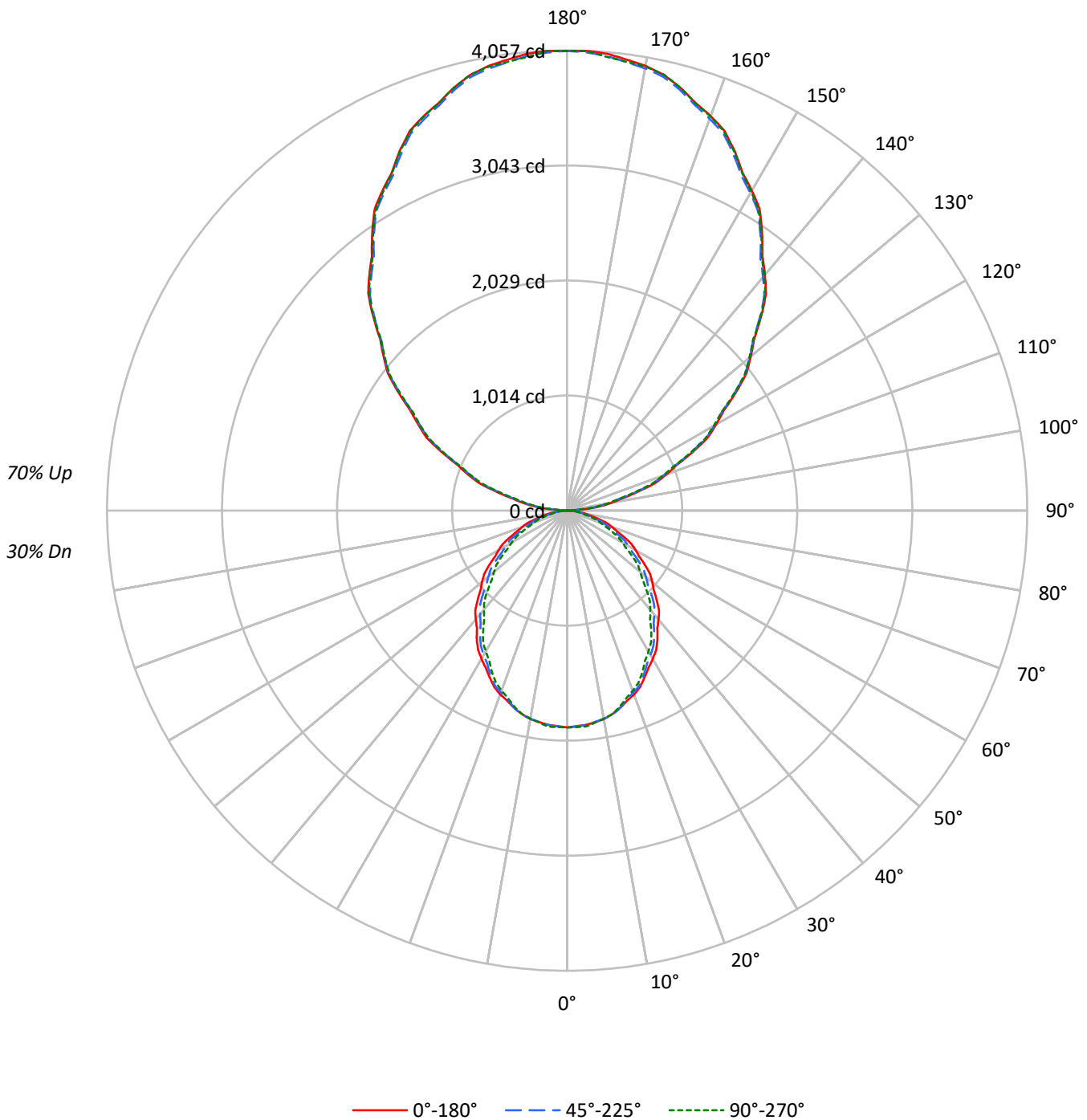
Lumens per Lamp: N/A
Luminaire Lumens: 15015.6 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10817	10817	10817
5°	10766	10773	10853
10°	10719	10703	10703
15°	10555	10555	10492
20°	10385	10279	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°	180.4	1.2
10°-20°	506.9	3.4
20°-30°	735.5	4.9
30°-40°	835.8	5.6
40°-50°	811.4	5.4
50°-60°	685.1	4.6
60°-70°	487.4	3.2
70°-80°	260.4	1.7
80°-90°	68.8	0.5
90°-100°	171.2	1.1
100°-110°	669.9	4.5
110°-120°	1194.1	8.0
120°-130°	1615.9	10.8
130°-140°	1857.7	12.4
140°-150°	1864.1	12.4
150°-160°	1603.1	10.7
160°-170°	1085.2	7.2
170°-180°	382.7	2.5
0°-30°	1422.8	9.5
0°-40°	2258.6	15.0
0°-60°	3755.1	25.0
0°-90°	4571.7	30.4
90°-120°	2035.2	13.6
90°-150°	7372.9	49.1
90°-180°	10444.0	69.6
0°-180°	15015.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1912	1912	1912	1912	1912	
5°	1896	1920	1897	1895	1911	180
15°	1802	1818	1802	1791	1791	508
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	0	0	9
95°	165	150	134	124	127	188
105°	649	646	624	615	609	693
115°	1218	1224	1196	1193	1190	1207
125°	1815	1836	1799	1793	1796	1622
135°	2417	2442	2402	2384	2408	1864
145°	2995	3020	2970	2956	2983	1872
155°	3496	3526	3468	3453	3489	1608
165°	3859	3892	3840	3820	3859	1087
175°	4042	4079	4024	3999	4014	384
180°	4052	4052	4052	4052	4052	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1912.0	1912.0	1912.0	1912.0	1912.0
2.5°	1902.3	1921.4	1904.4	1906.7	1910.9
5°	1895.8	1919.6	1897.1	1894.8	1911.1
7.5°	1881.1	1902.9	1879.5	1874.1	1886.0
10°	1865.9	1889.8	1863.2	1856.6	1863.2
12.5°	1838.8	1863.7	1842.6	1831.6	1837.2
15°	1802.2	1818.1	1802.2	1791.4	1791.4
17.5°	1757.5	1774.2	1744.2	1736.5	1733.0
20°	1724.9	1739.5	1707.3	1696.3	1689.3
22.5°	1681.5	1695.1	1668.3	1647.2	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	17.4	17.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	44.7	39.9	24.9	19.9	19.9
95°	164.7	149.5	133.6	124.4	127.4
97.5°	303.9	289.3	269.7	260.4	262.9
100°	400.8	388.7	366.6	357.3	357.3
102.5°	495.3	488.0	466.1	456.8	459.2
105°	649.4	646.4	624.5	615.1	609.0
107.5°	819.7	814.2	789.8	789.1	783.6
110°	929.0	926.0	904.2	901.0	898.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1040.9	1045.2	1021.0	1017.8	1014.8
115°	1218.0	1224.1	1196.3	1193.1	1190.0
117.5°	1399.5	1408.0	1378.3	1375.1	1369.6
120°	1516.3	1534.5	1497.7	1494.5	1491.4
122.5°	1635.6	1651.4	1617.0	1611.4	1610.8
125°	1814.6	1835.8	1799.0	1792.9	1795.9
127.5°	1993.6	2015.4	1981.1	1968.8	1975.5
130°	2112.9	2137.2	2100.4	2088.2	2097.3
132.5°	2234.7	2259.0	2222.2	2210.1	2224.1
135°	2417.4	2441.7	2401.8	2383.7	2408.0
137.5°	2595.7	2617.0	2573.3	2560.9	2586.4
140°	2712.5	2733.8	2687.7	2672.8	2703.2
142.5°	2826.9	2850.6	2799.5	2784.8	2817.6
145°	2995.3	3019.6	2970.4	2955.5	2982.9
147.5°	3156.9	3181.8	3132.0	3114.6	3142.6
150°	3256.3	3283.6	3231.4	3216.6	3247.0
152.5°	3353.2	3383.0	3328.4	3311.2	3348.9
155°	3495.6	3525.9	3467.6	3452.9	3489.3
157.5°	3623.6	3651.5	3598.7	3583.9	3615.5
160°	3700.6	3731.0	3675.8	3661.1	3697.5
162.5°	3767.7	3798.1	3747.9	3728.2	3764.6
165°	3859.1	3892.5	3840.4	3819.6	3859.1
167.5°	3935.5	3971.4	3916.3	3897.3	3936.8
170°	3980.3	4013.7	3958.5	3934.6	3974.1
172.5°	4010.1	4043.5	3988.3	3964.1	3991.5
175°	4042.4	4078.9	4023.8	3999.3	4014.4
177.5°	4056.7	4085.9	4041.8	4020.2	4054.2
180°	4051.7	4051.7	4051.7	4051.7	4051.7



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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	13.26	13.96	14.37	15.07	16.59	12.18	12.88	13.29	13.99	15.51
	3H	14.91	15.54	16.03	16.66	18.20	13.58	14.21	14.70	15.32	16.87
	4H	15.54	16.13	16.66	17.25	18.80	14.09	14.69	15.22	15.80	17.35
	6H	15.91	16.46	17.05	17.58	19.14	14.40	14.95	15.54	16.07	17.63
	8H	16.05	16.57	17.19	17.70	19.25	14.52	15.04	15.66	16.17	17.73
	12H	16.11	16.60	17.25	17.73	19.30	14.59	15.09	15.73	16.21	17.79
4H	2H	13.65	14.24	14.78	15.36	16.91	12.79	13.39	13.92	14.50	16.05
	3H	15.52	16.02	16.66	17.16	18.72	14.39	14.89	15.53	16.03	17.59
	4H	16.26	16.72	17.41	17.85	19.43	14.99	15.45	16.14	16.58	18.16
	6H	16.76	17.15	17.91	18.30	19.87	15.40	15.79	16.55	16.94	18.51
	8H	16.95	17.31	18.10	18.45	20.04	15.56	15.93	16.71	17.07	18.66
	12H	17.04	17.37	18.20	18.52	20.11	15.66	15.99	16.83	17.15	18.74
8H	4H	16.38	16.75	17.53	17.89	19.48	15.24	15.61	16.39	16.75	18.34
	6H	16.99	17.30	18.16	18.48	20.07	15.76	16.07	16.93	17.25	18.84
	8H	17.27	17.53	18.44	18.70	20.30	16.01	16.28	17.19	17.44	19.05
	12H	17.43	17.66	18.61	18.82	20.46	16.18	16.41	17.36	17.58	19.21
12H	4H	16.35	16.68	17.51	17.83	19.43	15.24	15.57	16.40	16.72	18.32
	6H	17.01	17.27	18.19	18.44	20.04	15.82	16.08	17.00	17.25	18.85
	8H	17.30	17.53	18.48	18.69	20.33	16.09	16.33	17.27	17.49	19.13