

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: P1439614

Luminaire Tested: CB3-D-125U-085D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439614
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-085D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

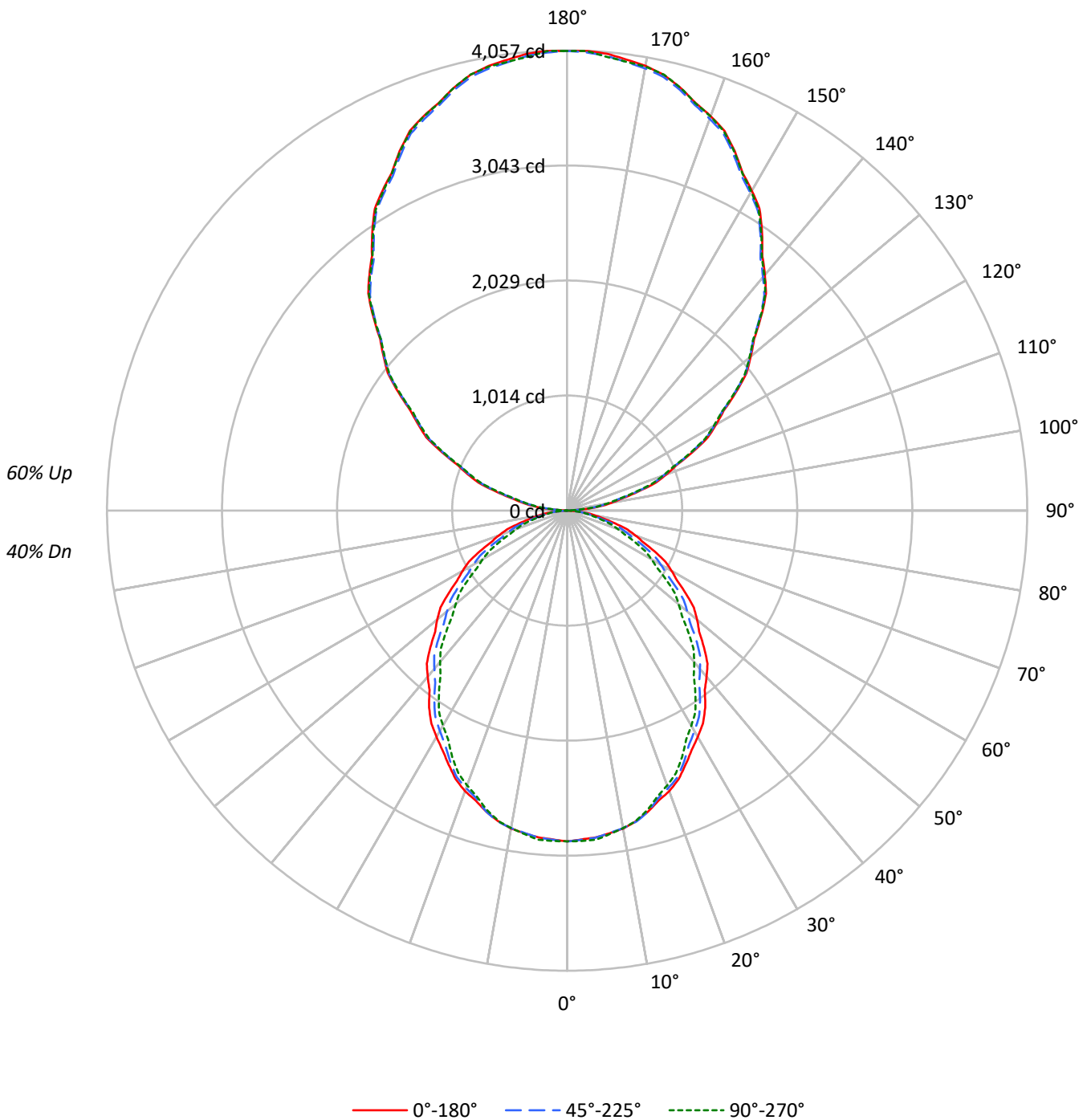
Lumens per Lamp: N/A
Luminaire Lumens: 17421.3 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 144.6
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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	92	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	35	34	29
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16501	16501	16501
5°	16423	16435	16547
10°	16352	16328	16328
15°	16102	16102	16005
20°	15841	15679	15523
25°	15424	15230	14959
30°	15046	14654	14302
35°	14649	14106	13606
40°	14121	13449	12868
45°	13643	12864	12070
50°	13150	12167	11292
55°	12614	11492	10553
60°	12035	10794	9717
65°	11358	10001	8836
70°	10576	9071	7873
75°	9589	7961	7012
80°	8360	6675	6203
85°	6446	5641	5641

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13643 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.2	1.6
10°-20°	773.2	4.4
20°-30°	1122.5	6.4
30°-40°	1275.8	7.3
40°-50°	1238.5	7.1
50°-60°	1045.7	6.0
60°-70°	744.0	4.3
70°-80°	397.5	2.3
80°-90°	105.0	0.6
90°-100°	171.2	1.0
100°-110°	669.9	3.8
110°-120°	1194.1	6.9
120°-130°	1615.9	9.3
130°-140°	1857.7	10.7
140°-150°	1864.1	10.7
150°-160°	1603.1	9.2
160°-170°	1085.2	6.2
170°-180°	382.7	2.2
0°-30°	2170.9	12.5
0°-40°	3446.7	19.8
0°-60°	5730.9	32.9
0°-90°	6977.4	40.1
90°-120°	2035.2	11.7
90°-150°	7372.9	42.3
90°-180°	10444.0	59.9
0°-180°	17421.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2917	2917	2917	2917	2917	
5°	2892	2928	2894	2890	2914	275
15°	2749	2774	2749	2733	2733	774
25°	2471	2479	2440	2406	2396	1139
35°	2121	2101	2042	1982	1970	1322
45°	1705	1679	1608	1531	1509	1315
55°	1279	1244	1165	1090	1070	1143
65°	848	818	747	680	660	840
75°	439	414	364	327	321	468
85°	99	91	87	87	87	118
90°	0	0	0	0	0	10
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°	2916.8	2916.8	2916.8	2916.8	2916.8
2.5°	2901.9	2931.1	2905.2	2908.7	2915.2
5°	2892.0	2928.4	2894.1	2890.5	2913.7
7.5°	2869.7	2902.8	2867.2	2858.9	2877.1
10°	2846.5	2882.9	2842.3	2832.2	2842.3
12.5°	2805.1	2843.1	2810.9	2794.1	2802.6
15°	2749.2	2773.5	2749.2	2732.7	2732.7
17.5°	2680.9	2706.4	2660.6	2648.9	2643.9
20°	2631.3	2653.5	2604.4	2587.6	2578.5
22.5°	2565.0	2585.7	2544.8	2513.9	2505.6
25°	2470.9	2479.0	2439.8	2406.5	2396.4
27.5°	2379.4	2381.4	2327.7	2287.2	2273.9
30°	2303.3	2305.3	2243.2	2199.6	2189.4
32.5°	2227.1	2221.0	2162.1	2110.2	2103.3
35°	2121.1	2100.9	2042.5	1982.2	1970.1
37.5°	1993.3	1981.1	1912.1	1851.7	1833.5
40°	1912.1	1891.9	1821.1	1760.7	1742.4
42.5°	1831.0	1807.5	1735.0	1667.9	1648.1
45°	1705.2	1678.9	1607.9	1530.9	1508.6
47.5°	1578.5	1549.8	1471.8	1397.1	1372.4
50°	1494.1	1463.8	1382.4	1309.3	1283.0
52.5°	1408.0	1376.1	1294.6	1220.1	1198.6
55°	1278.9	1244.5	1165.1	1090.1	1069.9
57.5°	1149.8	1115.8	1036.8	965.9	941.6
60°	1063.7	1031.3	954.0	883.1	858.8
62.5°	975.9	945.2	869.6	800.3	777.7
65°	848.5	818.1	747.1	680.4	660.1
67.5°	722.2	696.3	626.2	565.0	548.8
70°	639.4	615.2	548.4	492.2	476.0
72.5°	560.0	534.1	470.6	422.7	411.4
75°	438.7	414.4	364.2	326.8	320.8
77.5°	327.8	308.0	264.5	243.3	240.1
80°	256.6	238.4	204.9	190.4	190.4
82.5°	190.4	175.4	153.6	147.3	147.3
85°	99.3	91.2	86.9	86.9	86.9
87.5°	29.8	29.8	28.1	26.5	26.5
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	15.89	16.66	16.93	17.70	19.11	14.81	15.58	15.85	16.62	18.03
	3H	17.55	18.24	18.60	19.29	20.72	16.22	16.91	17.27	17.96	19.39
	4H	18.17	18.83	19.23	19.88	21.32	16.73	17.38	17.79	18.44	19.87
	6H	18.55	19.15	19.62	20.21	21.66	17.04	17.64	18.11	18.70	20.15
	8H	18.69	19.26	19.76	20.34	21.78	17.16	17.73	18.24	18.81	20.25
	12H	18.75	19.30	19.83	20.36	21.83	17.23	17.78	18.31	18.85	20.31
4H	2H	16.28	16.94	17.35	17.99	19.43	15.43	16.08	16.49	17.13	18.57
	3H	18.17	18.71	19.24	19.79	21.24	17.04	17.58	18.11	18.66	20.11
	4H	18.91	19.41	19.99	20.48	21.95	17.64	18.14	18.72	19.21	20.68
	6H	19.41	19.84	20.50	20.93	22.39	18.05	18.47	19.14	19.57	21.03
	8H	19.60	20.00	20.69	21.09	22.56	18.21	18.61	19.30	19.70	21.18
	12H	19.69	20.05	20.80	21.15	22.64	18.31	18.68	19.42	19.78	21.26
8H	4H	19.03	19.43	20.12	20.52	22.00	17.89	18.29	18.98	19.38	20.86
	6H	19.65	19.98	20.76	21.11	22.58	18.42	18.75	19.53	19.88	21.35
	8H	19.92	20.21	21.04	21.32	22.82	18.67	18.96	19.79	20.07	21.57
	12H	20.08	20.34	21.21	21.45	22.98	18.84	19.10	19.96	20.20	21.74
12H	4H	19.00	19.36	20.11	20.47	21.95	17.89	18.25	19.00	19.36	20.84
	6H	19.66	19.95	20.78	21.07	22.56	18.47	18.76	19.59	19.88	21.37
	8H	19.96	20.21	21.08	21.32	22.85	18.75	19.01	19.88	20.12	21.65