

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: P1439598

Luminaire Tested: CB3-D-125U-030D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439598
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-935-1D-UNV-STD-W-8
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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

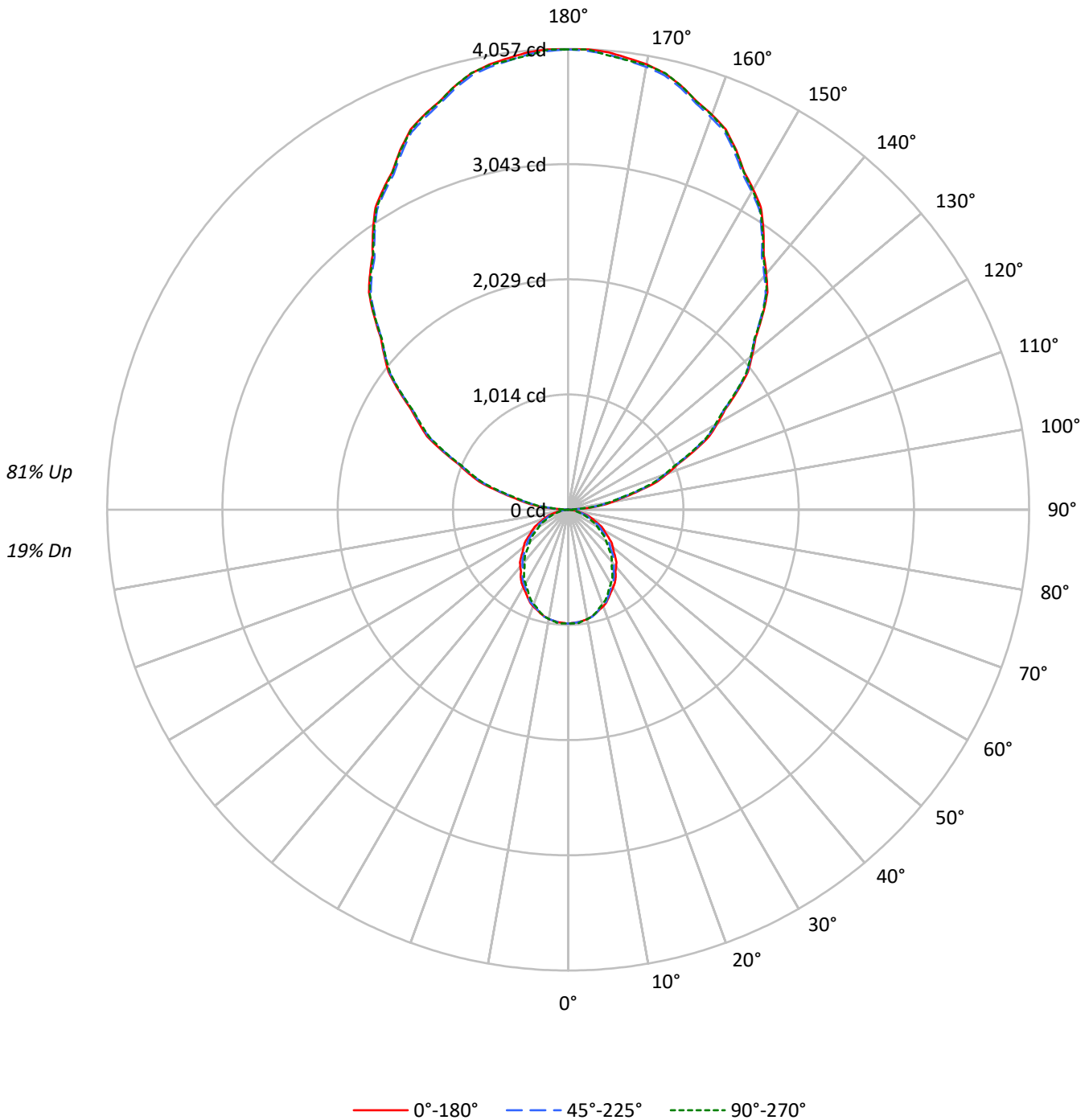
Lumens per Lamp: N/A
Luminaire Lumens: 12837.7 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 109.3
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	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°	5671	5671	5671
5°	5644	5648	5698
10°	5619	5611	5611
15°	5534	5534	5501
20°	5445	5389	5324
25°	5290	5223	5130
30°	5160	5025	4905
35°	5024	4838	4666
40°	4843	4612	4413
45°	4679	4412	4140
50°	4510	4173	3873
55°	4326	3941	3619
60°	4128	3702	3332
65°	3895	3430	3031
70°	3627	3111	2699
75°	3290	2730	2404
80°	2867	2290	2127
85°	2213	1934	1934

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	0.7
10°-20°	265.7	2.1
20°-30°	385.2	3.0
30°-40°	437.5	3.4
40°-50°	424.7	3.3
50°-60°	358.6	2.8
60°-70°	255.1	2.0
70°-80°	136.3	1.1
80°-90°	36.0	0.3
90°-100°	171.2	1.3
100°-110°	669.9	5.2
110°-120°	1194.1	9.3
120°-130°	1615.9	12.6
130°-140°	1857.7	14.5
140°-150°	1864.1	14.5
150°-160°	1603.1	12.5
160°-170°	1085.2	8.5
170°-180°	382.7	3.0
0°-30°	745.5	5.8
0°-40°	1183.0	9.2
0°-60°	1966.4	15.3
0°-90°	2393.9	18.6
90°-120°	2035.2	15.9
90°-150°	7372.9	57.4
90°-180°	10444.0	81.4
0°-180°	12837.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	994	1006	994	993	1003	94
15°	945	953	945	939	939	266
25°	847	850	837	825	822	391
35°	727	720	700	680	676	453
45°	585	576	551	525	517	451
55°	439	427	400	374	367	392
65°	291	281	256	233	226	288
75°	150	142	125	112	110	160
85°	34	31	30	30	30	40
90°	0	0	0	0	0	8
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°	1002.4	1002.4	1002.4	1002.4	1002.4
2.5°	997.2	1007.2	998.4	999.6	1001.8
5°	993.8	1006.3	994.5	993.4	1003.3
7.5°	986.2	997.6	985.3	982.5	988.7
10°	978.2	990.7	976.8	973.3	976.8
12.5°	964.0	977.1	966.0	960.3	963.2
15°	944.9	953.2	944.9	939.2	939.2
17.5°	921.4	930.2	914.5	910.5	908.3
20°	904.4	912.0	895.2	889.4	884.3
22.5°	881.7	888.8	874.7	862.5	859.3
25°	847.4	850.1	836.7	825.3	821.8
27.5°	816.0	816.7	798.3	784.4	779.8
30°	789.9	790.6	769.3	754.3	750.9
32.5°	763.8	761.7	741.5	723.7	721.3
35°	727.4	720.5	700.5	679.8	675.6
37.5°	683.6	679.4	655.8	635.0	628.8
40°	655.8	648.8	624.5	603.8	597.6
42.5°	627.9	619.9	595.0	572.0	565.2
45°	584.8	575.8	551.4	525.0	517.4
47.5°	541.4	531.5	504.7	479.1	470.7
50°	512.4	502.0	474.1	449.0	440.0
52.5°	482.9	471.9	444.0	418.4	411.1
55°	438.6	426.8	399.6	373.8	366.9
57.5°	394.3	382.6	355.6	331.2	322.9
60°	364.8	353.7	327.2	302.8	294.5
62.5°	334.7	324.1	298.2	274.5	266.7
65°	291.0	280.6	256.2	233.3	226.4
67.5°	247.7	238.8	214.8	193.8	188.2
70°	219.3	211.0	188.1	168.8	163.2
72.5°	192.0	183.2	161.4	145.0	141.1
75°	150.5	142.1	124.9	112.1	110.0
77.5°	112.4	105.6	90.7	83.4	82.3
80°	88.0	81.8	70.3	65.3	65.3
82.5°	65.3	60.2	52.7	50.5	50.5
85°	34.1	31.3	29.8	29.8	29.8
87.5°	10.2	10.2	9.7	9.1	9.1
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	9.07	9.70	10.26	10.87	12.53	7.99	8.62	9.18	9.79	11.45
	3H	10.72	11.28	11.91	12.46	14.13	9.39	9.95	10.58	11.13	12.80
	4H	11.34	11.87	12.54	13.05	14.73	9.89	10.43	11.09	11.60	13.28
	6H	11.71	12.20	12.92	13.38	15.07	10.20	10.69	11.41	11.87	13.56
	8H	11.84	12.31	13.05	13.50	15.18	10.31	10.78	11.52	11.98	13.65
	12H	11.90	12.35	13.11	13.53	15.23	10.38	10.83	11.60	12.01	13.71
4H	2H	9.45	9.98	10.66	11.16	12.84	8.59	9.13	9.80	10.30	11.98
	3H	11.32	11.76	12.53	12.96	14.65	10.19	10.63	11.40	11.83	13.52
	4H	12.05	12.47	13.27	13.66	15.36	10.78	11.20	12.00	12.38	14.09
	6H	12.54	12.90	13.76	14.11	15.80	11.18	11.54	12.40	12.75	14.44
	8H	12.73	13.06	13.95	14.26	15.97	11.35	11.68	12.56	12.88	14.59
	12H	12.82	13.12	14.05	14.33	16.04	11.44	11.74	12.67	12.95	14.67
8H	4H	12.17	12.50	13.38	13.70	15.41	11.03	11.36	12.24	12.56	14.27
	6H	12.78	13.05	14.01	14.29	16.00	11.55	11.82	12.78	13.06	14.77
	8H	13.05	13.29	14.29	14.50	16.23	11.80	12.03	13.03	13.25	14.98
	12H	13.20	13.41	14.45	14.63	16.39	11.96	12.17	13.20	13.39	15.14
12H	4H	12.13	12.43	13.36	13.64	15.35	11.02	11.32	12.25	12.53	14.24
	6H	12.79	13.03	14.03	14.25	15.97	11.60	11.84	12.84	13.06	14.78
	8H	13.08	13.29	14.32	14.50	16.26	11.87	12.08	13.11	13.30	15.05