

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: P1439104

Luminaire Tested: CB2-D-125U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439104
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-125U-120D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

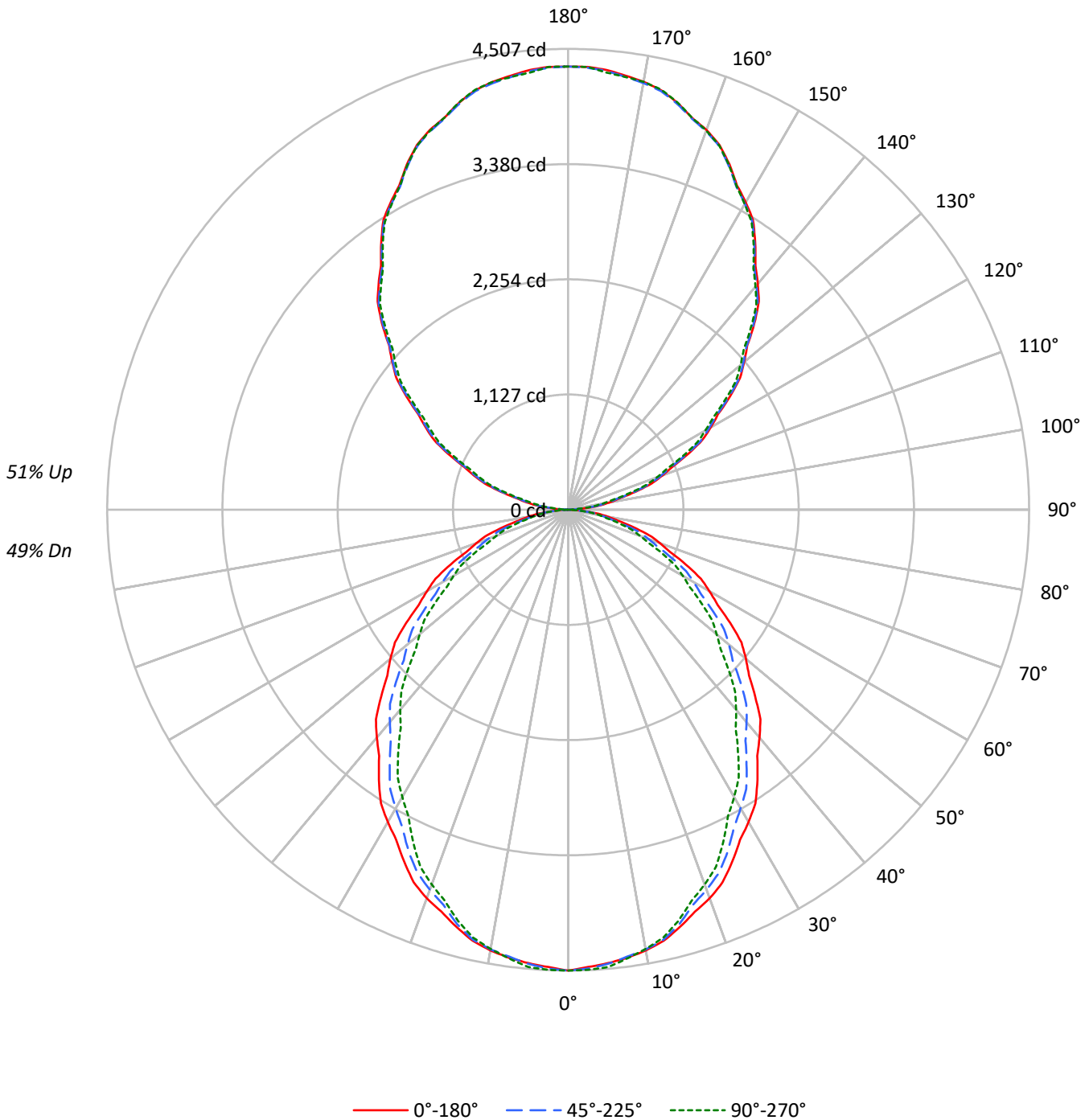
Lumens per Lamp: N/A
Luminaire Lumens: 21565.2 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 184.3
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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	41
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40	35
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34	30
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29	26
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	28	34	28	24	29	24	21	24	21	18	16
9	51	38	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14
10	47	35	28	23	44	33	26	22	29	23	20	24	20	17	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39253	39253	39253
5°	38920	38980	39251
10°	38699	38607	38577
15°	38086	37837	37526
20°	37485	36654	36143
25°	36479	35451	34456
30°	35469	33907	32623
35°	34306	32325	30784
40°	33075	30839	29034
45°	31837	29286	27330
50°	30721	27774	25670
55°	29344	26200	24105
60°	27772	24706	22542
65°	26100	23042	20979
70°	24253	21177	18982
75°	22063	19162	17187
80°	19729	16791	15577
85°	15178	13789	11381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31837 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.9	2.0
10°-20°	1181.5	5.5
20°-30°	1698.9	7.9
30°-40°	1909.5	8.9
40°-50°	1844.6	8.6
50°-60°	1558.5	7.2
60°-70°	1119.4	5.2
70°-80°	611.8	2.8
80°-90°	162.7	0.8
90°-100°	167.5	0.8
100°-110°	690.6	3.2
110°-120°	1253.7	5.8
120°-130°	1706.0	7.9
130°-140°	1969.3	9.1
140°-150°	1984.6	9.2
150°-160°	1712.6	7.9
160°-170°	1160.7	5.4
170°-180°	409.4	1.9
0°-30°	3304.2	15.3
0°-40°	5213.7	24.2
0°-60°	8616.8	40.0
0°-90°	10510.8	48.7
90°-120°	2111.7	9.8
90°-150°	7771.6	36.0
90°-180°	11054.0	51.3
0°-180°	21565.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4507	4507	4507	4507	4507	
5°	4452	4513	4459	4460	4490	423
15°	4224	4261	4197	4155	4162	1191
25°	3796	3800	3689	3606	3586	1748
35°	3227	3190	3040	2923	2896	2016
45°	2585	2531	2378	2253	2219	1997
55°	1933	1862	1726	1618	1588	1728
65°	1267	1219	1118	1038	1018	1256
75°	656	615	570	524	511	701
85°	152	142	138	121	114	181
90°	0	0	3	0	3	12
95°	162	142	135	105	105	189
105°	683	673	656	619	612	725
115°	1298	1295	1271	1234	1231	1281
125°	1931	1950	1910	1870	1873	1724
135°	2573	2603	2560	2512	2529	1981
145°	3188	3225	3175	3138	3161	1992
155°	3729	3766	3712	3689	3719	1715
165°	4122	4164	4111	4088	4125	1161
175°	4318	4364	4308	4281	4291	410
180°	4334	4334	4334	4334	4334	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4507.3	4507.3	4507.3	4507.3	4507.3
2.5°	4476.9	4530.9	4490.7	4496.4	4504.5
5°	4452.1	4512.8	4459.0	4459.7	4490.0
7.5°	4420.3	4477.7	4410.0	4397.5	4425.9
10°	4376.2	4433.5	4365.8	4342.1	4362.4
12.5°	4318.2	4372.8	4307.8	4270.3	4287.8
15°	4224.3	4261.4	4196.7	4155.4	4162.2
17.5°	4122.1	4145.1	4051.7	4017.1	4010.3
20°	4044.8	4065.1	3955.1	3906.6	3899.9
22.5°	3945.4	3963.0	3847.4	3787.9	3778.4
25°	3796.4	3799.7	3689.4	3606.1	3585.8
27.5°	3640.4	3629.6	3507.1	3408.5	3382.2
30°	3527.2	3513.7	3371.8	3267.8	3244.2
32.5°	3405.7	3381.4	3239.3	3127.0	3103.3
35°	3226.9	3189.8	3040.5	2922.6	2895.6
37.5°	3036.4	2994.5	2848.0	2719.6	2689.2
40°	2909.4	2862.1	2712.7	2584.3	2553.9
42.5°	2782.4	2729.7	2577.4	2448.9	2415.9
45°	2585.0	2531.0	2377.9	2252.9	2219.1
47.5°	2397.2	2328.4	2179.8	2055.5	2021.7
50°	2267.5	2193.2	2050.0	1928.5	1894.7
52.5°	2134.9	2058.0	1920.3	1804.2	1770.5
55°	1932.7	1861.8	1725.6	1617.9	1587.6
57.5°	1732.5	1664.4	1539.9	1437.1	1407.4
60°	1594.5	1537.1	1418.5	1321.2	1294.2
62.5°	1461.9	1410.0	1297.0	1208.0	1181.0
65°	1266.6	1219.4	1118.2	1038.4	1018.1
67.5°	1076.8	1029.5	947.7	876.1	853.1
70°	952.5	905.3	831.7	765.7	745.5
72.5°	833.8	783.9	724.1	663.7	648.8
75°	655.7	615.2	569.5	524.3	510.8
77.5°	498.4	459.2	425.9	394.1	390.7
80°	393.4	359.7	334.8	314.0	310.6
82.5°	294.0	268.4	251.9	236.7	236.1
85°	151.9	141.7	138.0	120.6	113.9
87.5°	44.2	44.2	39.3	33.1	33.8
90°	0.0	0.0	3.4	0.1	3.4
92.5°	40.6	35.3	33.1	21.7	25.0
95°	162.3	142.5	135.2	104.8	104.8
97.5°	306.3	286.5	275.9	244.6	238.0
100°	409.1	389.3	378.7	344.7	338.1
102.5°	514.6	505.3	486.9	450.2	443.6
105°	683.0	673.1	655.9	618.6	612.0
107.5°	856.1	858.1	832.4	801.8	792.5
110°	980.5	977.2	956.8	926.3	919.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1107.6	<i>1101.7</i>	1081.3	1050.7	1044.1
115°	1298.3	<i>1295.0</i>	1271.3	1234.0	1230.7
117.5°	1479.6	<i>1490.1</i>	1462.0	1422.7	1421.4
120°	1609.4	<i>1622.6</i>	1589.1	1555.1	1548.5
122.5°	1736.5	<i>1752.4</i>	1718.9	1679.7	1681.1
125°	1930.6	<i>1950.4</i>	1910.3	1869.8	1873.1
127.5°	2117.9	<i>2142.4</i>	2105.1	2063.9	2067.9
130°	2245.0	<i>2274.8</i>	2234.9	2191.1	2197.7
132.5°	2374.9	<i>2404.6</i>	2364.7	2318.3	2330.2
135°	2573.0	<i>2602.7</i>	2559.5	2512.5	2529.0
137.5°	2759.6	<i>2789.4</i>	2742.0	2702.6	2722.4
140°	2884.1	<i>2913.8</i>	2863.8	2827.0	2846.9
142.5°	3005.8	<i>3040.8</i>	2988.2	2948.9	2974.0
145°	3188.4	<i>3224.7</i>	3174.8	3138.2	3161.3
147.5°	3361.5	<i>3397.8</i>	3347.3	3312.0	3335.8
150°	3472.4	<i>3508.7</i>	3455.5	3425.6	3452.1
152.5°	3575.1	<i>3616.8</i>	3560.9	3531.3	3565.7
155°	3729.3	<i>3765.7</i>	3712.4	3689.4	3719.2
157.5°	3863.2	<i>3905.5</i>	3852.4	3832.6	3856.5
160°	3952.5	<i>3992.1</i>	3938.9	3919.3	3945.7
162.5°	4020.1	<i>4062.4</i>	4012.0	3989.7	4021.4
165°	4121.5	<i>4164.5</i>	4111.4	4088.5	4124.9
167.5°	4201.3	<i>4246.9</i>	4193.2	4169.7	4206.7
170°	4250.0	<i>4293.0</i>	4236.5	4210.3	4250.0
172.5°	4282.5	<i>4328.1</i>	4268.9	4242.5	4268.9
175°	4317.6	<i>4363.9</i>	4307.5	4280.7	4290.6
177.5°	4334.5	<i>4371.6</i>	4326.4	4302.8	4334.5
180°	4334.5	<i>4334.5</i>	4334.5	4334.5	4334.5



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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	19.63	20.47	20.60	21.46	22.75	18.53	19.37	19.50	20.36	21.65
	3H	21.28	22.03	22.26	23.02	24.33	20.06	20.81	21.04	21.80	23.12
	4H	21.90	22.62	22.90	23.61	24.93	20.63	21.34	21.63	22.34	23.66
	6H	22.31	22.96	23.31	23.96	25.29	21.00	21.66	22.01	22.66	23.99
	8H	22.45	23.08	23.46	24.09	25.42	21.14	21.77	22.15	22.78	24.11
	12H	22.53	23.12	23.54	24.13	25.48	21.20	21.80	22.22	22.81	24.16
4H	2H	20.04	20.75	21.04	21.75	23.07	19.17	19.88	20.17	20.87	22.19
	3H	21.91	22.50	22.92	23.52	24.86	20.90	21.49	21.91	22.52	23.85
	4H	22.65	23.19	23.67	24.21	25.57	21.57	22.11	22.59	23.13	24.49
	6H	23.17	23.64	24.20	24.68	26.03	22.05	22.51	23.07	23.55	24.91
	8H	23.37	23.81	24.40	24.84	26.21	22.23	22.67	23.26	23.70	25.07
	12H	23.48	23.87	24.53	24.92	26.30	22.32	22.71	23.37	23.76	25.14
8H	4H	22.81	23.24	23.84	24.28	25.64	21.84	22.28	22.87	23.31	24.68
	6H	23.45	23.81	24.50	24.88	26.25	22.45	22.81	23.50	23.88	25.25
	8H	23.74	24.05	24.80	25.11	26.50	22.72	23.04	23.78	24.10	25.48
	12H	23.91	24.19	24.98	25.24	26.67	22.87	23.15	23.93	24.20	25.63
12H	4H	22.79	23.18	23.83	24.23	25.60	21.85	22.24	22.89	23.29	24.66
	6H	23.48	23.79	24.54	24.85	26.24	22.51	22.83	23.57	23.89	25.27
	8H	23.79	24.07	24.86	25.13	26.55	22.81	23.09	23.88	24.15	25.58