

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: P1439080

Luminaire Tested: CB2-D-125U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439080
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-030D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

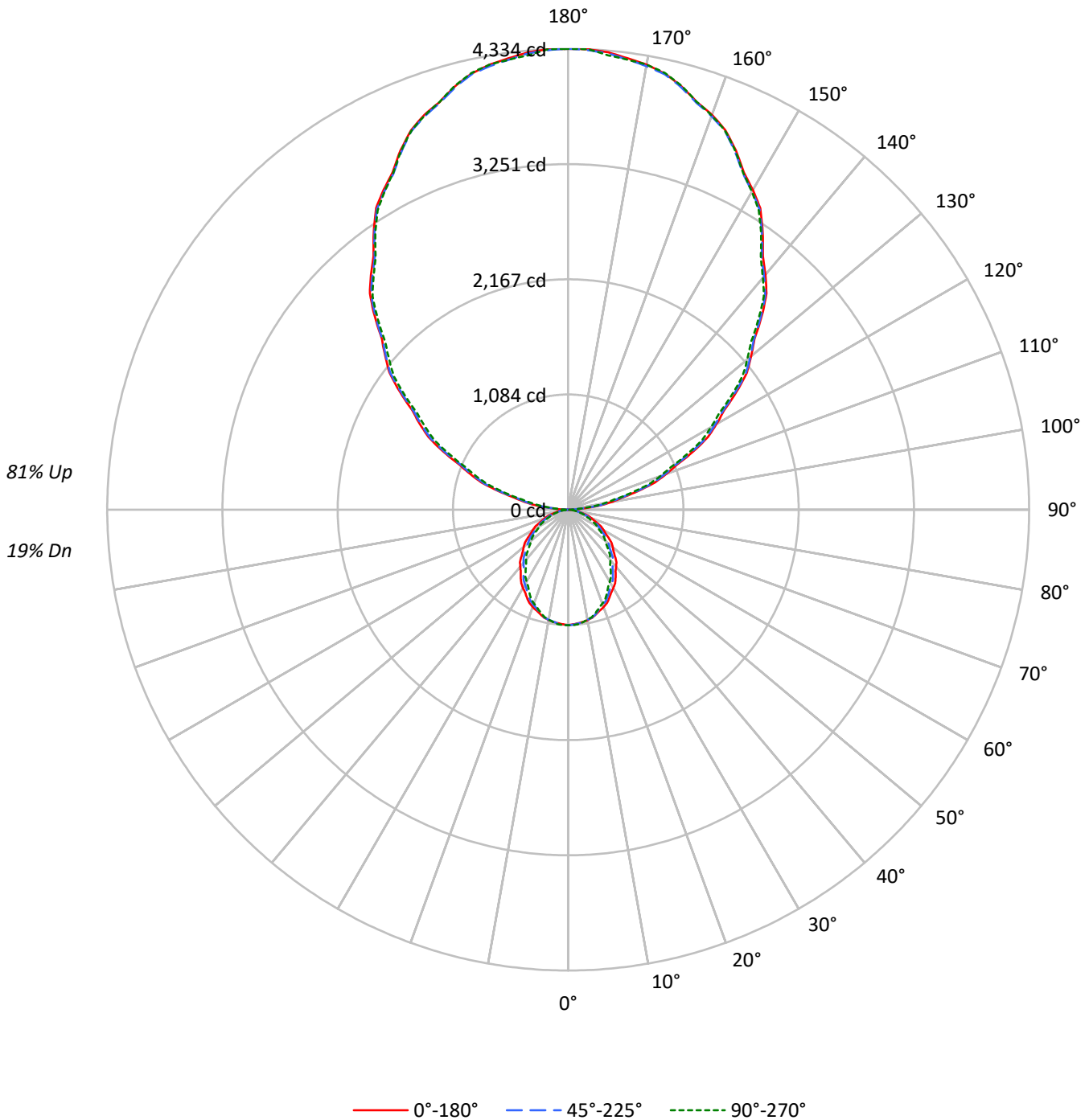
Lumens per Lamp: N/A
Luminaire Lumens: 13586.7 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 114.3
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

TEST NUMBER: P1439080

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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	19	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°	9456	9456	9456
5°	9376	9391	9456
10°	9322	9301	9293
15°	9175	9115	9040
20°	9030	8830	8707
25°	8788	8540	8300
30°	8545	8168	7859
35°	8265	7787	7416
40°	7968	7429	6995
45°	7669	7056	6584
50°	7400	6691	6185
55°	7069	6312	5808
60°	6690	5952	5431
65°	6287	5551	5055
70°	5844	5103	4573
75°	5316	4616	4142
80°	4754	4042	3751
85°	3657	3327	2738

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7669 cd/sqm



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CATALOG NUMBER: CB2-D-125U-030D-940-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.1	0.8
10°-20°	284.6	2.1
20°-30°	409.3	3.0
30°-40°	460.0	3.4
40°-50°	444.4	3.3
50°-60°	375.5	2.8
60°-70°	269.7	2.0
70°-80°	147.4	1.1
80°-90°	39.4	0.3
90°-100°	167.5	1.2
100°-110°	690.6	5.1
110°-120°	1253.7	9.2
120°-130°	1706.0	12.6
130°-140°	1969.3	14.5
140°-150°	1984.6	14.6
150°-160°	1712.6	12.6
160°-170°	1160.7	8.5
170°-180°	409.4	3.0
0°-30°	796.0	5.9
0°-40°	1256.0	9.2
0°-60°	2075.8	15.3
0°-90°	2532.3	18.6
90°-120°	2111.7	15.5
90°-150°	7771.6	57.2
90°-180°	11054.0	81.4
0°-180°	13586.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1086	1086	1086	1086	1086	
5°	1072	1087	1074	1074	1082	102
15°	1018	1027	1011	1001	1003	287
25°	915	915	889	869	864	421
35°	777	768	732	704	698	486
45°	623	610	573	543	535	481
55°	466	448	416	390	382	416
65°	305	294	269	250	245	303
75°	158	148	137	126	123	169
85°	37	34	33	29	27	44
90°	0	0	3	0	3	7
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	

TEST NUMBER: P1439080

CATALOG NUMBER: CB2-D-125U-030D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1085.8	1085.8	1085.8	1085.8	1085.8
2.5°	1078.5	1091.5	1081.8	1083.2	1085.2
5°	1072.5	1087.2	1074.2	1074.4	1081.7
7.5°	1064.9	1078.7	1062.4	1059.4	1066.2
10°	1054.2	1068.1	1051.8	1046.0	1050.9
12.5°	1040.3	1053.4	1037.8	1028.7	1033.0
15°	1017.7	1026.6	1011.0	1001.1	1002.7
17.5°	993.1	998.6	976.1	967.7	966.1
20°	974.4	979.3	952.8	941.1	939.5
22.5°	950.5	954.7	926.9	912.5	910.2
25°	914.6	915.4	888.8	868.7	863.8
27.5°	877.0	874.4	844.9	821.1	814.8
30°	849.7	846.5	812.3	787.2	781.5
32.5°	820.4	814.6	780.4	753.3	747.6
35°	777.4	768.4	732.5	704.1	697.6
37.5°	731.5	721.4	686.1	655.2	647.8
40°	700.9	689.5	653.5	622.6	615.3
42.5°	670.3	657.6	620.9	590.0	582.0
45°	622.7	609.7	572.9	542.7	534.6
47.5°	577.5	560.9	525.1	495.2	487.0
50°	546.2	528.4	493.9	464.6	456.5
52.5°	514.3	495.8	462.6	434.6	426.5
55°	465.6	448.5	415.7	389.8	382.5
57.5°	417.4	401.0	371.0	346.2	339.1
60°	384.1	370.3	341.7	318.3	311.8
62.5°	352.2	339.7	312.4	291.0	284.5
65°	305.1	293.8	269.4	250.1	245.3
67.5°	259.4	248.0	228.3	211.1	205.5
70°	229.5	218.1	200.4	184.5	179.6
72.5°	200.9	188.8	174.4	159.9	156.3
75°	158.0	148.2	137.2	126.3	123.1
77.5°	120.1	110.6	102.6	94.9	94.1
80°	94.8	86.7	80.6	75.6	74.8
82.5°	70.8	64.7	60.7	57.0	56.9
85°	36.6	34.1	33.3	29.1	27.4
87.5°	10.6	10.6	10.0	8.0	8.7
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



TEST NUMBER: P1439080

CATALOG NUMBER: CB2-D-125U-030D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1107.6	1101.7	1081.3	1050.7	1044.1
115°	1298.3	1295.0	1271.3	1234.0	1230.7
117.5°	1479.6	1490.1	1462.0	1422.7	1421.4
120°	1609.4	1622.6	1589.1	1555.1	1548.5
122.5°	1736.5	1752.4	1718.9	1679.7	1681.1
125°	1930.6	1950.4	1910.3	1869.8	1873.1
127.5°	2117.9	2142.4	2105.1	2063.9	2067.9
130°	2245.0	2274.8	2234.9	2191.1	2197.7
132.5°	2374.9	2404.6	2364.7	2318.3	2330.2
135°	2573.0	2602.7	2559.5	2512.5	2529.0
137.5°	2759.6	2789.4	2742.0	2702.6	2722.4
140°	2884.1	2913.8	2863.8	2827.0	2846.9
142.5°	3005.8	3040.8	2988.2	2948.9	2974.0
145°	3188.4	3224.7	3174.8	3138.2	3161.3
147.5°	3361.5	3397.8	3347.3	3312.0	3335.8
150°	3472.4	3508.7	3455.5	3425.6	3452.1
152.5°	3575.1	3616.8	3560.9	3531.3	3565.7
155°	3729.3	3765.7	3712.4	3689.4	3719.2
157.5°	3863.2	3905.5	3852.4	3832.6	3856.5
160°	3952.5	3992.1	3938.9	3919.3	3945.7
162.5°	4020.1	4062.4	4012.0	3989.7	4021.4
165°	4121.5	4164.5	4111.4	4088.5	4124.9
167.5°	4201.3	4246.9	4193.2	4169.7	4206.7
170°	4250.0	4293.0	4236.5	4210.3	4250.0
172.5°	4282.5	4328.1	4268.9	4242.5	4268.9
175°	4317.6	4363.9	4307.5	4280.7	4290.6
177.5°	4334.5	4371.6	4326.4	4302.8	4334.5
180°	4334.5	4334.5	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	10.71	11.34	11.90	12.51	14.17	9.61	10.24	10.80	11.41	13.07
	3H	12.33	12.90	13.53	14.08	15.75	11.12	11.68	12.31	12.86	14.53
	4H	12.95	13.49	14.15	14.67	16.34	11.68	12.22	12.88	13.39	15.07
	6H	13.34	13.84	14.55	15.01	16.70	12.04	12.53	13.25	13.71	15.40
	8H	13.48	13.95	14.69	15.15	16.82	12.17	12.64	13.38	13.83	15.51
	12H	13.55	14.00	14.76	15.18	16.88	12.23	12.67	13.44	13.86	15.56
4H	2H	11.09	11.63	12.30	12.80	14.48	10.21	10.75	11.42	11.93	13.60
	3H	12.94	13.38	14.15	14.58	16.27	11.93	12.38	13.14	13.58	15.26
	4H	13.67	14.09	14.89	15.27	16.98	12.59	13.01	13.81	14.19	15.90
	6H	14.18	14.53	15.40	15.74	17.44	13.05	13.41	14.27	14.62	16.31
	8H	14.38	14.71	15.59	15.91	17.62	13.24	13.57	14.45	14.77	16.48
	12H	14.47	14.77	15.70	15.98	17.70	13.31	13.61	14.55	14.83	16.54
8H	4H	13.81	14.14	15.03	15.34	17.05	12.85	13.18	14.06	14.38	16.09
	6H	14.44	14.71	15.68	15.96	17.67	13.44	13.71	14.68	14.96	16.66
	8H	14.73	14.97	15.97	16.19	17.92	13.71	13.95	14.95	15.17	16.90
	12H	14.90	15.10	16.14	16.32	18.08	13.85	14.06	15.10	15.28	17.04
12H	4H	13.78	14.08	15.01	15.29	17.01	12.84	13.14	14.07	14.35	16.07
	6H	14.47	14.71	15.71	15.93	17.65	13.50	13.74	14.74	14.96	16.69
	8H	14.78	14.98	16.02	16.20	17.96	13.80	14.00	15.04	15.22	16.98