

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: P1439594

Luminaire Tested: CB3-D-125U-030D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439594
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-927-1D-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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

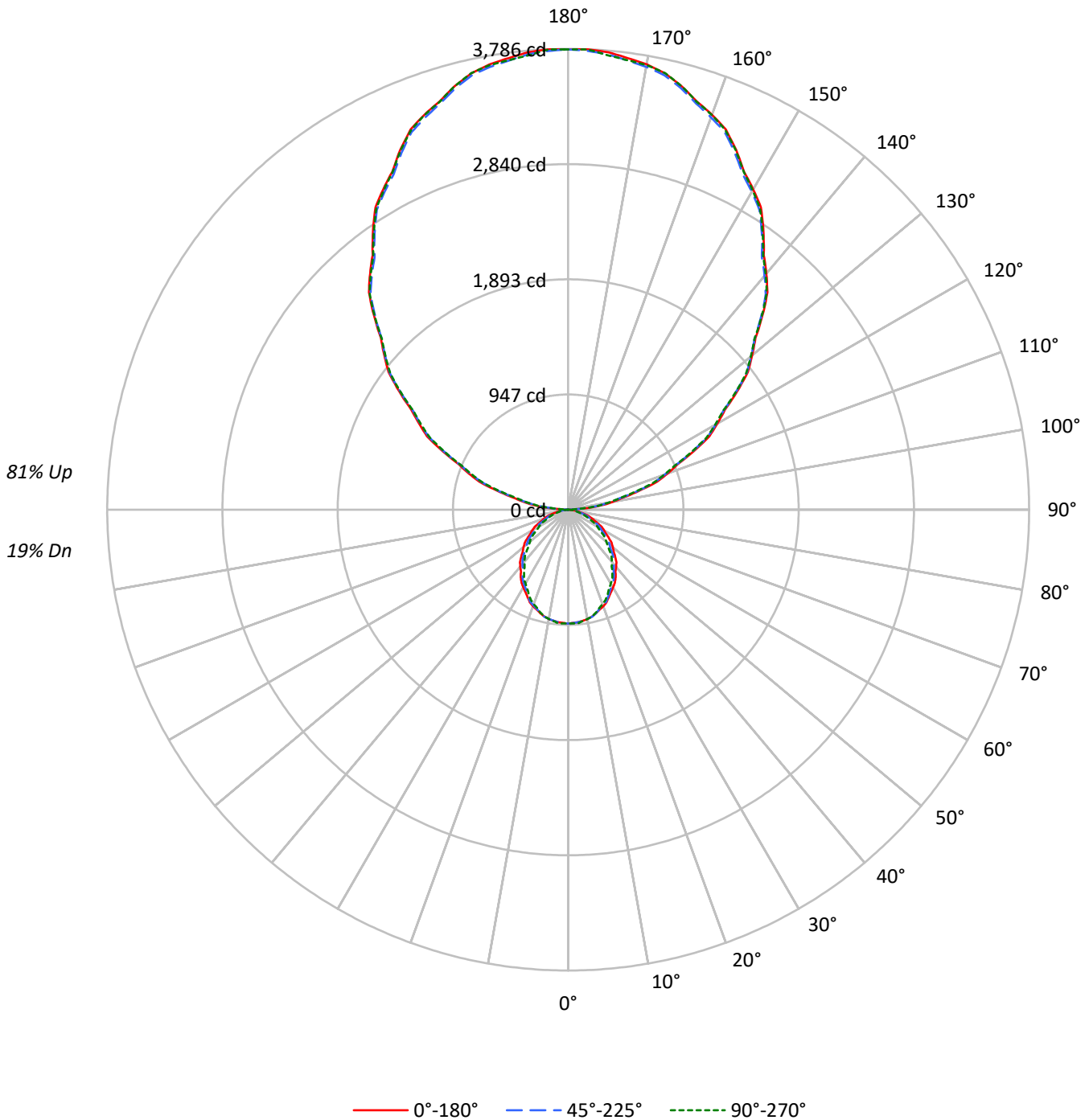
Lumens per Lamp: N/A
Luminaire Lumens: 11980.8 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 109.3
Input Voltage (V): 120
Input Current (Ain): 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	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°	5292	5292	5292
5°	5267	5271	5318
10°	5244	5237	5237
15°	5165	5165	5134
20°	5081	5029	4968
25°	4936	4874	4788
30°	4816	4690	4577
35°	4689	4515	4354
40°	4520	4304	4119
45°	4367	4117	3863
50°	4209	3894	3614
55°	4037	3678	3377
60°	3851	3454	3110
65°	3636	3201	2829
70°	3386	2903	2519
75°	3069	2549	2245
80°	2675	2137	1984
85°	2064	1805	1805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4367 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	0.7
10°-20°	248.0	2.1
20°-30°	359.5	3.0
30°-40°	408.3	3.4
40°-50°	396.4	3.3
50°-60°	334.7	2.8
60°-70°	238.1	2.0
70°-80°	127.2	1.1
80°-90°	33.6	0.3
90°-100°	159.8	1.3
100°-110°	625.2	5.2
110°-120°	1114.4	9.3
120°-130°	1508.0	12.6
130°-140°	1733.7	14.5
140°-150°	1739.7	14.5
150°-160°	1496.1	12.5
160°-170°	1012.7	8.5
170°-180°	357.2	3.0
0°-30°	695.7	5.8
0°-40°	1104.1	9.2
0°-60°	1835.1	15.3
0°-90°	2234.0	18.6
90°-120°	1899.4	15.9
90°-150°	6880.8	57.4
90°-180°	9747.0	81.4
0°-180°	11980.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	935	935	935	935	935	
5°	928	939	928	927	936	88
15°	882	890	882	876	876	248
25°	791	793	781	770	767	365
35°	679	672	654	634	630	423
45°	546	537	515	490	483	421
55°	409	398	373	349	342	366
65°	272	262	239	218	211	269
75°	140	133	117	105	103	150
85°	32	29	28	28	28	38
90°	0	0	0	0	0	7
95°	154	140	125	116	119	175
105°	606	603	583	574	568	647
115°	1137	1142	1116	1113	1111	1127
125°	1694	1713	1679	1673	1676	1514
135°	2256	2279	2242	2225	2247	1739
145°	2795	2818	2772	2758	2784	1747
155°	3262	3291	3236	3222	3256	1500
165°	3602	3633	3584	3565	3602	1015
175°	3773	3807	3755	3732	3746	358
180°	3781	3781	3781	3781	3781	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	935.4	935.4	935.4	935.4	935.4
2.5°	930.7	940.0	931.7	932.8	934.9
5°	927.5	939.2	928.2	927.0	936.4
7.5°	920.3	931.0	919.5	916.9	922.7
10°	912.9	924.6	911.6	908.4	911.6
12.5°	899.7	911.9	901.5	896.2	898.9
15°	881.8	889.6	881.8	876.5	876.5
17.5°	859.9	868.1	853.5	849.7	847.7
20°	844.0	851.2	835.4	830.0	825.2
22.5°	822.9	829.5	816.4	805.0	801.9
25°	790.8	793.4	780.9	770.2	767.0
27.5°	761.5	762.2	745.0	732.0	727.8
30°	737.2	737.8	718.0	704.0	700.7
32.5°	712.8	710.8	692.0	675.4	673.2
35°	678.9	672.4	653.7	634.4	630.5
37.5°	637.9	634.1	612.0	592.6	586.8
40°	612.0	605.5	582.8	563.5	557.7
42.5°	586.0	578.5	555.3	533.8	527.5
45°	545.8	537.3	514.6	490.0	482.8
47.5°	505.2	496.0	471.0	447.2	439.3
50°	478.2	468.5	442.4	419.1	410.6
52.5°	450.6	440.4	414.3	390.5	383.6
55°	409.3	398.3	372.9	348.9	342.4
57.5°	368.0	357.1	331.8	309.1	301.4
60°	340.4	330.1	305.3	282.6	274.9
62.5°	312.3	302.5	278.3	256.2	248.9
65°	271.6	261.8	239.1	217.8	211.3
67.5°	231.1	222.9	200.4	180.8	175.6
70°	204.7	196.9	175.5	157.5	152.3
72.5°	179.2	170.9	150.6	135.3	131.7
75°	140.4	132.6	116.6	104.6	102.7
77.5°	104.9	98.6	84.6	77.9	76.8
80°	82.1	76.3	65.6	60.9	60.9
82.5°	60.9	56.1	49.1	47.2	47.2
85°	31.8	29.2	27.8	27.8	27.8
87.5°	9.5	9.5	9.0	8.5	8.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	41.8	37.2	23.2	18.6	18.6
95°	153.7	139.5	124.7	116.1	118.9
97.5°	283.6	270.0	251.7	243.1	245.3
100°	374.1	362.7	342.2	333.5	333.5
102.5°	462.2	455.4	435.0	426.3	428.6
105°	606.0	603.2	582.9	574.0	568.4
107.5°	765.0	759.9	737.1	736.4	731.3
110°	867.0	864.2	843.8	840.9	838.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	971.4	975.4	952.9	949.9	947.1
115°	1136.7	1142.4	1116.4	1113.4	1110.6
117.5°	1306.1	1314.0	1286.3	1283.3	1278.2
120°	1415.1	1432.1	1397.7	1394.7	1391.9
122.5°	1526.4	1541.2	1509.0	1503.8	1503.2
125°	1693.5	1713.3	1679.0	1673.2	1676.1
127.5°	1860.5	1880.9	1848.9	1837.4	1843.7
130°	1971.8	1994.5	1960.2	1948.8	1957.3
132.5°	2085.5	2108.2	2073.9	2062.6	2075.6
135°	2256.0	2278.7	2241.5	2224.6	2247.3
137.5°	2422.5	2442.3	2401.6	2389.9	2413.8
140°	2531.5	2551.3	2508.3	2494.4	2522.8
142.5°	2638.2	2660.3	2612.7	2598.9	2629.5
145°	2795.4	2818.1	2772.2	2758.3	2783.8
147.5°	2946.2	2969.4	2923.0	2906.7	2932.8
150°	3038.9	3064.5	3015.8	3001.9	3030.2
152.5°	3129.4	3157.2	3106.2	3090.2	3125.4
155°	3262.2	3290.6	3236.1	3222.4	3256.4
157.5°	3381.7	3407.8	3358.5	3344.7	3374.2
160°	3453.6	3482.0	3430.4	3416.7	3450.7
162.5°	3516.2	3544.6	3497.7	3479.3	3513.3
165°	3601.5	3632.7	3584.1	3564.6	3601.5
167.5°	3672.8	3706.3	3654.9	3637.1	3674.0
170°	3714.6	3745.8	3694.3	3671.9	3708.8
172.5°	3742.4	3773.6	3722.1	3699.5	3725.0
175°	3772.6	3806.6	3755.2	3732.3	3746.5
177.5°	3785.9	3813.1	3772.0	3751.9	3783.6
180°	3781.3	3781.3	3781.3	3781.3	3781.3



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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	8.83	9.46	10.02	10.63	12.29	7.75	8.38	8.94	9.55	11.21
	3H	10.48	11.04	11.67	12.22	13.89	9.14	9.71	10.34	10.89	12.56
	4H	11.10	11.63	12.30	12.81	14.49	9.65	10.19	10.85	11.36	13.04
	6H	11.47	11.96	12.68	13.14	14.83	9.96	10.45	11.17	11.63	13.32
	8H	11.60	12.07	12.81	13.26	14.94	10.07	10.54	11.28	11.74	13.41
	12H	11.66	12.10	12.87	13.29	14.99	10.14	10.59	11.36	11.77	13.47
4H	2H	9.21	9.75	10.42	10.92	12.60	8.35	8.89	9.56	10.06	11.74
	3H	11.08	11.52	12.29	12.72	14.41	9.95	10.39	11.16	11.59	13.28
	4H	11.81	12.23	13.03	13.42	15.12	10.54	10.96	11.76	12.14	13.85
	6H	12.30	12.66	13.52	13.87	15.56	10.94	11.30	12.16	12.51	14.20
	8H	12.49	12.82	13.71	14.02	15.73	11.11	11.44	12.32	12.64	14.35
	12H	12.58	12.88	13.81	14.09	15.80	11.20	11.50	12.43	12.71	14.43
8H	4H	11.93	12.26	13.14	13.46	15.17	10.79	11.12	12.00	12.32	14.03
	6H	12.54	12.81	13.77	14.05	15.76	11.31	11.58	12.54	12.82	14.53
	8H	12.81	13.04	14.05	14.26	15.99	11.56	11.79	12.79	13.01	14.74
	12H	12.96	13.17	14.20	14.39	16.14	11.72	11.93	12.96	13.15	14.90
12H	4H	11.89	12.19	13.12	13.40	15.11	10.78	11.08	12.01	12.29	14.00
	6H	12.55	12.79	13.79	14.01	15.73	11.36	11.60	12.60	12.82	14.54
	8H	12.84	13.05	14.08	14.26	16.02	11.63	11.84	12.87	13.06	14.81