

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: P1438784

Luminaire Tested: CB2-0U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438784  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-0U-120D-940-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE  
2-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

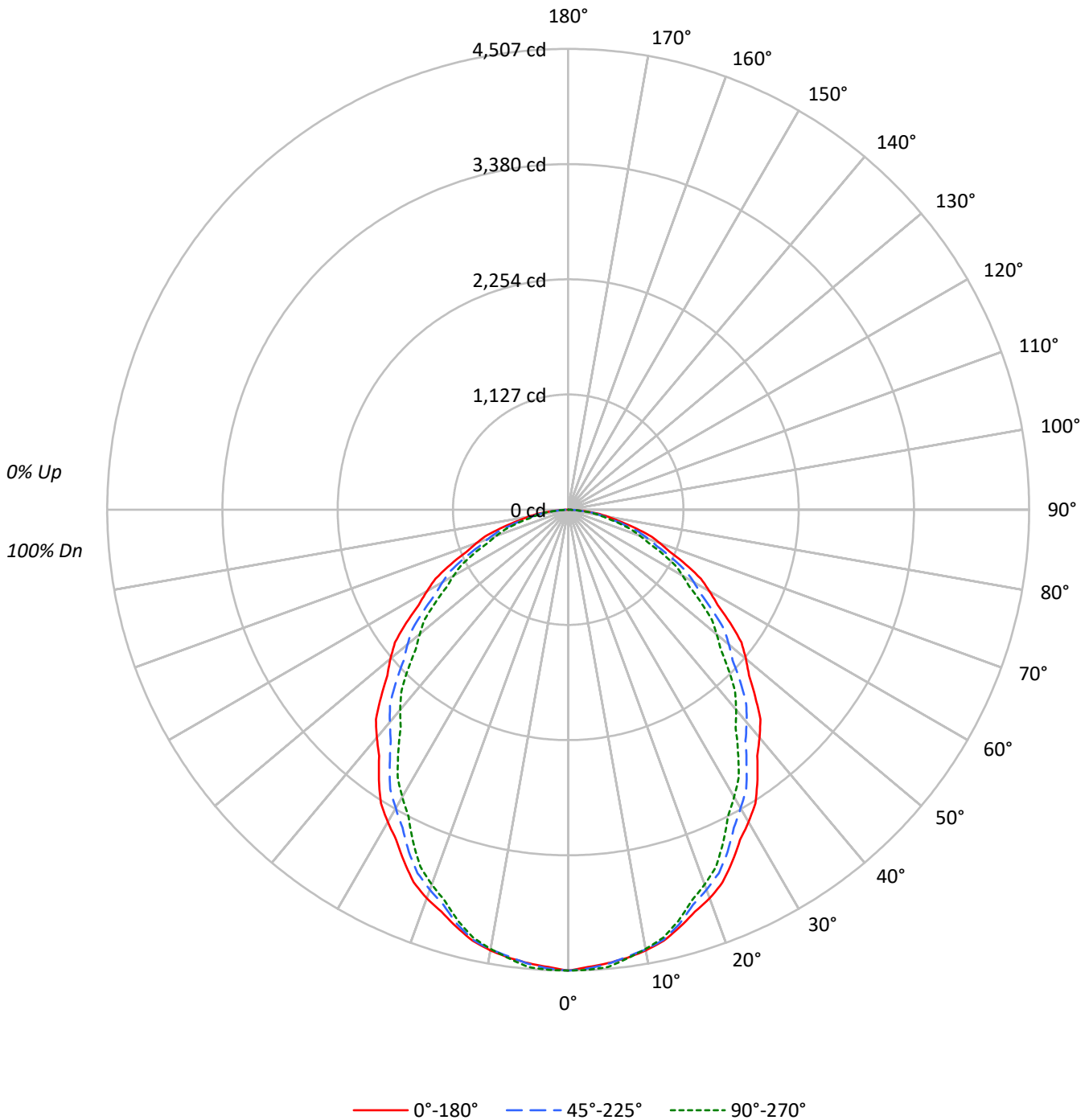
Lumens per Lamp: N/A  
Luminaire Lumens: 10510.6 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 88.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

**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	4.0
10°-20°	1181.5	11.2
20°-30°	1698.9	16.2
30°-40°	1909.5	18.2
40°-50°	1844.6	17.5
50°-60°	1558.5	14.8
60°-70°	1119.4	10.7
70°-80°	611.8	5.8
80°-90°	162.5	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3304.2	31.4
0°-40°	5213.7	49.6
0°-60°	8616.8	82.0
0°-90°	10510.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10510.6	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	187
90°	0	0	0	0	0	



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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	38.7	33.1	33.1
90°	0.0	0.0	0.0	0.0	0.0



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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	23.60	25.18	23.97	25.49	25.81	22.50	24.08	22.87	24.40	24.71
	3H	25.30	26.72	25.67	27.05	27.41	24.08	25.50	24.46	25.83	26.19
	4H	25.96	27.29	26.35	27.64	28.02	24.68	26.02	25.08	26.37	26.75
	6H	26.39	27.63	26.80	28.00	28.39	25.09	26.33	25.50	26.69	27.08
	8H	26.56	27.74	26.98	28.13	28.53	25.25	26.43	25.67	26.82	27.22
	12H	26.66	27.79	27.09	28.17	28.60	25.33	26.46	25.76	26.85	27.28
4H	2H	24.09	25.43	24.49	25.78	26.15	23.22	24.55	23.61	24.90	25.28
	3H	26.02	27.14	26.43	27.54	27.94	25.01	26.13	25.42	26.53	26.93
	4H	26.79	27.80	27.23	28.22	28.65	25.71	26.72	26.14	27.14	27.57
	6H	27.35	28.23	27.81	28.67	29.13	26.23	27.11	26.68	27.55	28.00
	8H	27.57	28.39	28.03	28.84	29.30	26.43	27.25	26.89	27.70	28.16
	12H	27.71	28.45	28.19	28.93	29.40	26.55	27.29	27.03	27.77	28.24
8H	4H	27.00	27.83	27.47	28.27	28.74	26.04	26.86	26.50	27.31	27.77
	6H	27.67	28.36	28.17	28.85	29.32	26.67	27.35	27.17	27.84	28.32
	8H	27.97	28.58	28.48	29.09	29.58	26.95	27.56	27.46	28.07	28.56
	12H	28.18	28.72	28.68	29.21	29.77	27.14	27.68	27.64	28.17	28.73
12H	4H	27.02	27.75	27.50	28.23	28.70	26.08	26.81	26.56	27.29	27.76
	6H	27.71	28.32	28.22	28.83	29.31	26.74	27.35	27.25	27.86	28.35
	8H	28.06	28.60	28.57	29.09	29.65	27.08	27.62	27.59	28.11	28.67