

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: P1438630

Luminaire Tested: CB2-030U-120D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438630
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-030U-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

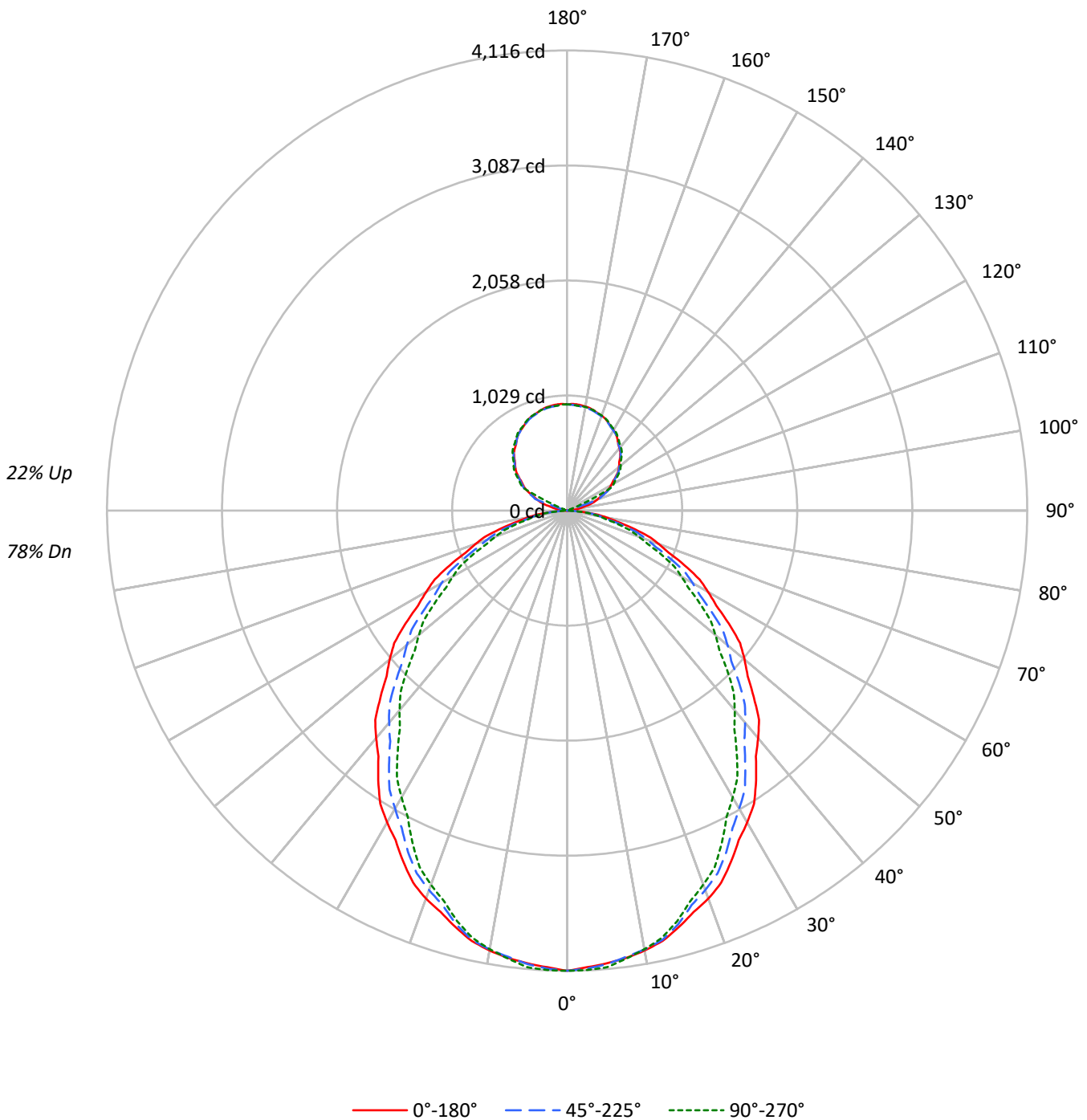
Lumens per Lamp: N/A
Luminaire Lumens: 12305.7 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 106.7
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	0		
RCR																										
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	82	82	82	82	82	82	78		
1	104	100	96	92	99	96	92	89	87	85	82	80	78	76	73	71	70	70	70	70	70	70	70	66		
2	95	88	81	76	91	84	78	73	77	72	68	70	67	64	64	62	59	59	59	59	59	59	59	56		
3	87	77	70	64	83	74	67	62	68	63	58	63	58	54	57	54	51	51	51	51	51	51	51	48		
4	80	69	61	54	76	66	59	53	61	55	50	56	51	47	51	47	44	44	44	44	44	44	44	41		
5	74	62	53	47	70	59	52	46	55	48	43	51	45	41	47	42	39	39	39	39	39	39	39	36		
6	68	56	47	41	65	54	46	40	50	43	38	46	40	36	42	38	34	34	34	34	34	34	34	32		
7	63	50	42	36	60	49	41	36	45	39	34	42	36	32	39	34	31	31	31	31	31	31	31	28		
8	59	46	38	33	56	44	37	32	41	35	30	39	33	29	36	31	27	27	27	27	27	27	27	25		
9	55	42	35	29	52	41	34	29	38	32	27	36	30	26	33	28	25	25	25	25	25	25	25	23		
10	52	39	32	27	49	38	31	26	35	29	25	33	28	24	31	26	23	23	23	23	23	23	23	21		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35845	35845	35845
5°	35541	35596	35845
10°	35339	35255	35228
15°	34780	34552	34268
20°	34232	33473	33005
25°	33312	32374	31465
30°	32390	30963	29791
35°	31328	29519	28111
40°	30203	28162	26513
45°	29073	26744	24958
50°	28053	25364	23441
55°	26797	23926	22012
60°	25361	22561	20586
65°	23833	21041	19158
70°	22150	19339	17335
75°	20148	17497	15693
80°	18019	15331	14223
85°	13859	12600	10392

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29073 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.1	3.1
10°-20°	1079.0	8.8
20°-30°	1551.4	12.6
30°-40°	1743.7	14.2
40°-50°	1684.4	13.7
50°-60°	1423.2	11.6
60°-70°	1022.3	8.3
70°-80°	558.7	4.5
80°-90°	148.4	1.2
90°-100°	16.6	0.1
100°-110°	105.3	0.9
110°-120°	334.6	2.7
120°-130°	485.6	3.9
130°-140°	522.2	4.2
140°-150°	491.7	4.0
150°-160°	400.6	3.3
160°-170°	260.7	2.1
170°-180°	90.1	0.7
0°-30°	3017.4	24.5
0°-40°	4761.1	38.7
0°-60°	7868.8	63.9
0°-90°	9598.2	78.0
90°-120°	456.5	3.7
90°-150°	1956.1	15.9
90°-180°	2707.0	22.0
0°-180°	12305.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4116	4116	4116	4116	4116	
5°	4066	4121	4072	4072	4100	386
15°	3858	3892	3832	3795	3801	1087
25°	3467	3470	3369	3293	3274	1596
35°	2947	2913	2777	2669	2644	1841
45°	2361	2311	2172	2057	2026	1824
55°	1765	1700	1576	1478	1450	1578
65°	1157	1114	1021	948	930	1147
75°	599	562	520	479	466	641
85°	139	129	126	110	104	165
90°	0	0	0	1	1	7
95°	38	11	12	8	7	48
105°	198	205	21	24	25	208
115°	374	382	386	390	224	368
125°	531	541	541	550	558	475
135°	669	677	676	680	689	516
145°	783	789	783	784	794	489
155°	869	875	865	863	875	401
165°	927	930	920	916	926	262
175°	954	956	944	938	943	91
180°	950	950	950	950	950	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4116.0	4116.0	4116.0	4116.0	4116.0
2.5°	4088.3	4137.6	4100.9	4106.1	4113.5
5°	4065.6	4121.1	4071.9	4072.5	4100.3
7.5°	4036.6	4089.0	4027.2	4015.8	4041.7
10°	3996.3	4048.7	3986.8	3965.2	3983.7
12.5°	3943.3	3993.2	3933.9	3899.6	3915.6
15°	3857.6	3891.5	3832.4	3794.7	3800.9
17.5°	3764.3	3785.3	3700.0	3668.4	3662.2
20°	3693.7	3712.2	3611.8	3567.5	3561.3
22.5°	3602.9	3619.0	3513.4	3459.0	3450.4
25°	3466.8	3469.9	3369.1	3293.0	3274.5
27.5°	3324.3	3314.5	3202.7	3112.6	3088.6
30°	3221.0	3208.6	3079.1	2984.1	2962.5
32.5°	3110.0	3087.8	2958.1	2855.5	2833.9
35°	2946.8	2912.9	2776.6	2668.9	2644.2
37.5°	2772.8	2734.6	2600.7	2483.5	2455.8
40°	2656.8	2613.7	2477.2	2359.9	2332.2
42.5°	2540.8	2492.8	2353.6	2236.3	2206.1
45°	2360.6	2311.3	2171.5	2057.3	2026.5
47.5°	2189.1	2126.3	1990.6	1877.0	1846.2
50°	2070.6	2002.8	1872.1	1761.1	1730.2
52.5°	1949.6	1879.3	1753.6	1647.6	1616.8
55°	1764.9	1700.2	1575.8	1477.5	1449.8
57.5°	1582.1	1519.9	1406.3	1312.4	1285.2
60°	1456.1	1403.7	1295.3	1206.5	1181.9
62.5°	1335.0	1287.6	1184.4	1103.1	1078.5
65°	1156.6	1113.5	1021.1	948.2	929.7
67.5°	983.3	940.2	865.4	800.0	779.1
70°	869.9	826.7	759.5	699.2	680.8
72.5°	761.4	715.8	661.2	606.1	592.5
75°	598.8	561.8	520.0	478.8	466.4
77.5°	455.1	419.3	388.9	359.8	356.8
80°	359.3	328.5	305.7	286.7	283.6
82.5°	268.5	245.1	230.1	216.2	215.6
85°	138.7	129.4	126.1	110.2	104.0
87.5°	40.3	40.3	35.3	30.4	30.4
90°	0.0	0.0	0.0	0.7	0.7
92.5°	10.4	4.0	2.7	4.0	4.0
95°	37.8	10.9	11.7	7.5	6.9
97.5°	78.4	17.6	16.9	18.6	19.2
100°	109.2	36.0	18.5	21.3	22.0
102.5°	143.2	135.6	19.1	23.0	24.2
105°	197.7	205.1	20.6	24.1	25.4
107.5°	251.3	258.7	95.8	24.9	26.2
110°	287.0	294.4	303.5	25.4	26.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	320.5	329.5	336.4	56.6	27.9
115°	374.2	382.2	385.9	390.3	223.8
117.5°	421.6	431.5	435.6	443.3	450.8
120°	454.5	463.9	466.9	474.6	482.7
122.5°	486.9	495.2	497.1	505.9	513.4
125°	531.4	540.8	541.0	550.1	557.5
127.5°	575.9	584.0	583.6	590.4	598.6
130°	605.6	610.9	611.1	616.7	625.5
132.5°	630.3	637.8	638.0	642.6	651.3
135°	668.7	676.8	675.6	679.9	688.6
137.5°	704.8	712.6	710.5	714.1	723.1
140°	728.5	735.2	731.9	735.5	745.6
142.5°	750.4	757.1	752.2	755.3	765.9
145°	782.7	788.7	783.4	784.3	794.4
147.5°	811.4	817.3	810.8	811.7	821.1
150°	830.1	835.4	827.3	828.2	837.6
152.5°	846.5	851.4	842.7	842.5	853.5
155°	869.2	874.6	865.1	863.3	875.4
157.5°	889.8	894.8	885.3	884.0	893.4
160°	903.5	906.9	897.4	895.5	904.9
162.5°	912.9	916.8	907.2	904.3	913.7
165°	926.9	929.6	920.0	916.1	925.5
167.5°	939.0	942.0	929.8	926.3	936.3
170°	946.1	948.1	935.8	931.2	941.3
172.5°	950.5	952.0	939.6	934.4	941.3
175°	954.3	956.4	944.0	938.0	942.7
177.5°	955.0	956.1	946.8	941.5	949.5
180°	949.5	949.5	949.5	949.5	949.5

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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	21.71	22.88	22.39	23.57	24.38	20.61	21.78	21.29	22.47	23.28
	3H	23.38	24.43	24.07	25.13	25.97	22.16	23.21	22.85	23.91	24.75
	4H	24.02	25.01	24.73	25.72	26.57	22.75	23.74	23.46	24.45	25.30
	6H	24.44	25.35	25.16	26.07	26.94	23.14	24.05	23.86	24.77	25.64
	8H	24.60	25.46	25.33	26.21	27.08	23.29	24.15	24.02	24.89	25.76
	12H	24.68	25.51	25.42	26.24	27.14	23.36	24.19	24.10	24.92	25.82
4H	2H	22.16	23.14	22.87	23.86	24.71	21.28	22.27	22.00	22.98	23.83
	3H	24.05	24.88	24.78	25.63	26.50	23.05	23.87	23.77	24.62	25.49
	4H	24.81	25.56	25.55	26.31	27.21	23.73	24.48	24.47	25.23	26.13
	6H	25.35	26.00	26.11	26.77	27.68	24.22	24.87	24.98	25.65	26.55
	8H	25.56	26.16	26.32	26.94	27.86	24.42	25.02	25.18	25.80	26.72
	12H	25.68	26.22	26.46	27.02	27.94	24.52	25.06	25.31	25.86	26.79
8H	4H	24.99	25.60	25.76	26.37	27.29	24.03	24.63	24.79	25.40	26.33
	6H	25.65	26.15	26.44	26.96	27.88	24.64	25.14	25.44	25.96	26.88
	8H	25.94	26.38	26.74	27.20	28.14	24.92	25.37	25.73	26.18	27.12
	12H	26.13	26.52	26.93	27.32	28.32	25.09	25.48	25.89	26.28	27.28
12H	4H	24.99	25.53	25.77	26.32	27.25	24.05	24.59	24.83	25.38	26.31
	6H	25.68	26.12	26.48	26.94	27.88	24.71	25.16	25.51	25.97	26.91
	8H	26.01	26.40	26.81	27.20	28.20	25.03	25.42	25.84	26.23	27.22