

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: P1438640

Luminaire Tested: CB2-030U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438640
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

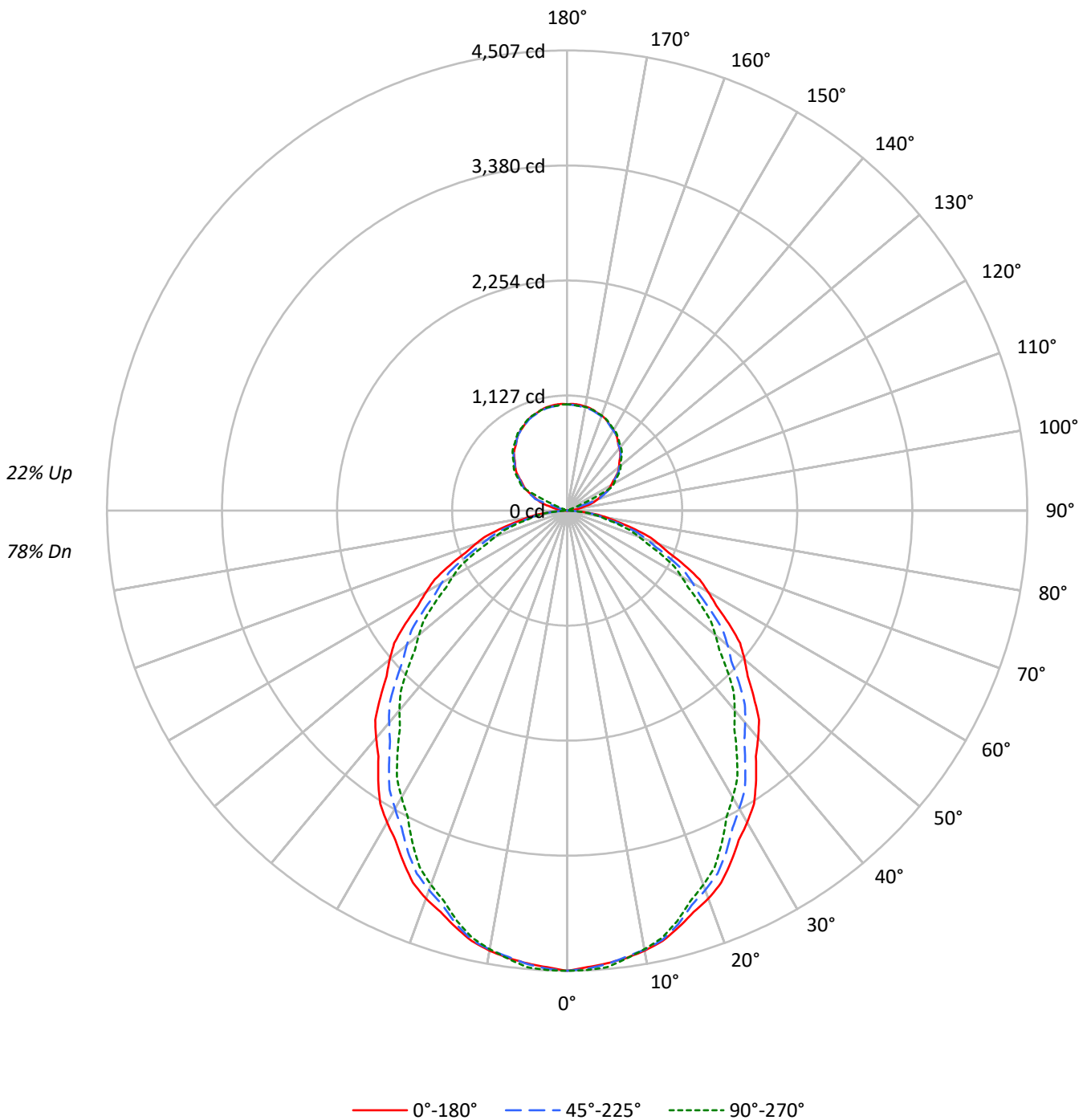
Lumens per Lamp: N/A
Luminaire Lumens: 13475.5 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

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

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	3.1
10°-20°	1181.5	8.8
20°-30°	1698.9	12.6
30°-40°	1909.5	14.2
40°-50°	1844.6	13.7
50°-60°	1558.5	11.6
60°-70°	1119.4	8.3
70°-80°	611.8	4.5
80°-90°	162.5	1.2
90°-100°	18.1	0.1
100°-110°	115.3	0.9
110°-120°	366.4	2.7
120°-130°	531.8	3.9
130°-140°	571.9	4.2
140°-150°	538.5	4.0
150°-160°	438.6	3.3
160°-170°	285.5	2.1
170°-180°	98.7	0.7
0°-30°	3304.2	24.5
0°-40°	5213.7	38.7
0°-60°	8616.8	63.9
0°-90°	10510.6	78.0
90°-120°	499.9	3.7
90°-150°	2142.0	15.9
90°-180°	2965.0	22.0
0°-180°	13475.5	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	0	1	1	8
95°	41	12	13	8	8	52
105°	216	225	23	26	28	228
115°	410	419	422	427	245	403
125°	582	592	592	602	610	520
135°	732	741	740	744	754	565
145°	857	864	858	859	870	536
155°	952	958	947	945	959	439
165°	1015	1018	1008	1003	1014	287
175°	1045	1047	1034	1027	1032	99
180°	1040	1040	1040	1040	1040	

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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	33.3	33.3
90°	0.0	0.0	0.0	0.8	0.8
92.5°	11.4	4.4	3.0	4.4	4.4
95°	41.4	11.9	12.8	8.3	7.5
97.5°	85.9	19.3	18.5	20.3	21.1
100°	119.5	39.4	20.3	23.3	24.1
102.5°	156.8	148.5	20.9	25.1	26.5
105°	216.5	224.6	22.6	26.3	27.8
107.5°	275.2	283.3	105.0	27.2	28.7
110°	314.3	322.4	332.3	27.9	29.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	351.0	360.8	368.4	62.0	30.5
115°	409.8	418.6	422.5	427.4	245.1
117.5°	461.6	472.5	477.0	485.4	493.7
120°	497.7	508.0	511.3	519.7	528.5
122.5°	533.2	542.3	544.3	554.0	562.2
125°	581.9	592.2	592.4	602.4	610.5
127.5°	630.6	639.5	639.1	646.5	655.5
130°	663.1	669.0	669.1	675.4	684.9
132.5°	690.2	698.4	698.6	703.6	713.2
135°	732.3	741.1	739.8	744.5	754.1
137.5°	771.8	780.4	778.0	782.0	791.8
140°	797.7	805.1	801.5	805.5	816.5
142.5°	821.8	829.1	823.7	827.1	838.8
145°	857.1	863.7	857.8	858.9	869.9
147.5°	888.5	895.0	887.9	888.9	899.2
150°	909.0	914.9	906.0	907.0	917.2
152.5°	927.0	932.3	922.8	922.6	934.7
155°	951.8	957.7	947.3	945.4	958.6
157.5°	974.4	979.8	969.4	968.0	978.3
160°	989.4	993.1	982.7	980.6	990.9
162.5°	999.6	1003.9	993.5	990.3	1000.5
165°	1015.0	1017.9	1007.5	1003.2	1013.5
167.5°	1028.2	1031.6	1018.1	1014.3	1025.4
170°	1036.0	1038.2	1024.8	1019.7	1030.8
172.5°	1040.8	1042.5	1029.0	1023.3	1030.8
175°	1045.1	1047.3	1033.8	1027.1	1032.3
177.5°	1045.8	1047.0	1036.8	1031.0	1039.8
180°	1039.8	1039.8	1039.8	1039.8	1039.8



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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	22.03	23.19	22.70	23.88	24.69	20.93	22.09	21.61	22.78	23.59
	3H	23.70	24.74	24.39	25.44	26.28	22.48	23.52	23.17	24.23	25.07
	4H	24.34	25.32	25.05	26.04	26.89	23.07	24.05	23.77	24.76	25.62
	6H	24.76	25.67	25.48	26.39	27.26	23.45	24.36	24.17	25.08	25.95
	8H	24.91	25.78	25.65	26.52	27.39	23.60	24.47	24.33	25.21	26.08
	12H	25.00	25.82	25.73	26.56	27.46	23.67	24.50	24.41	25.24	26.13
4H	2H	22.47	23.46	23.19	24.17	25.03	21.60	22.58	22.31	23.30	24.15
	3H	24.37	25.19	25.09	25.94	26.81	23.36	24.18	24.09	24.93	25.80
	4H	25.13	25.87	25.87	26.62	27.53	24.05	24.79	24.79	25.54	26.44
	6H	25.66	26.31	26.42	27.09	28.00	24.54	25.19	25.30	25.96	26.87
	8H	25.88	26.48	26.64	27.25	28.17	24.74	25.34	25.50	26.11	27.03
	12H	26.00	26.54	26.78	27.33	28.26	24.84	25.38	25.62	26.18	27.10
8H	4H	25.31	25.91	26.07	26.68	27.60	24.34	24.95	25.11	25.72	26.64
	6H	25.96	26.46	26.75	27.28	28.20	24.96	25.46	25.75	26.28	27.20
	8H	26.25	26.70	27.06	27.51	28.45	25.24	25.68	26.04	26.50	27.44
	12H	26.44	26.84	27.25	27.64	28.64	25.40	25.79	26.21	26.60	27.60
12H	4H	25.30	25.84	26.09	26.64	27.57	24.36	24.90	25.14	25.70	26.63
	6H	25.99	26.44	26.80	27.25	28.19	25.02	25.47	25.83	26.29	27.22
	8H	26.32	26.72	27.13	27.52	28.52	25.35	25.74	26.15	26.54	27.54