

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: P1438632

Luminaire Tested: CB2-030U-120D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438632
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-840-1D-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, 80 CRI LEDS
Ballast/Driver: -

Summary

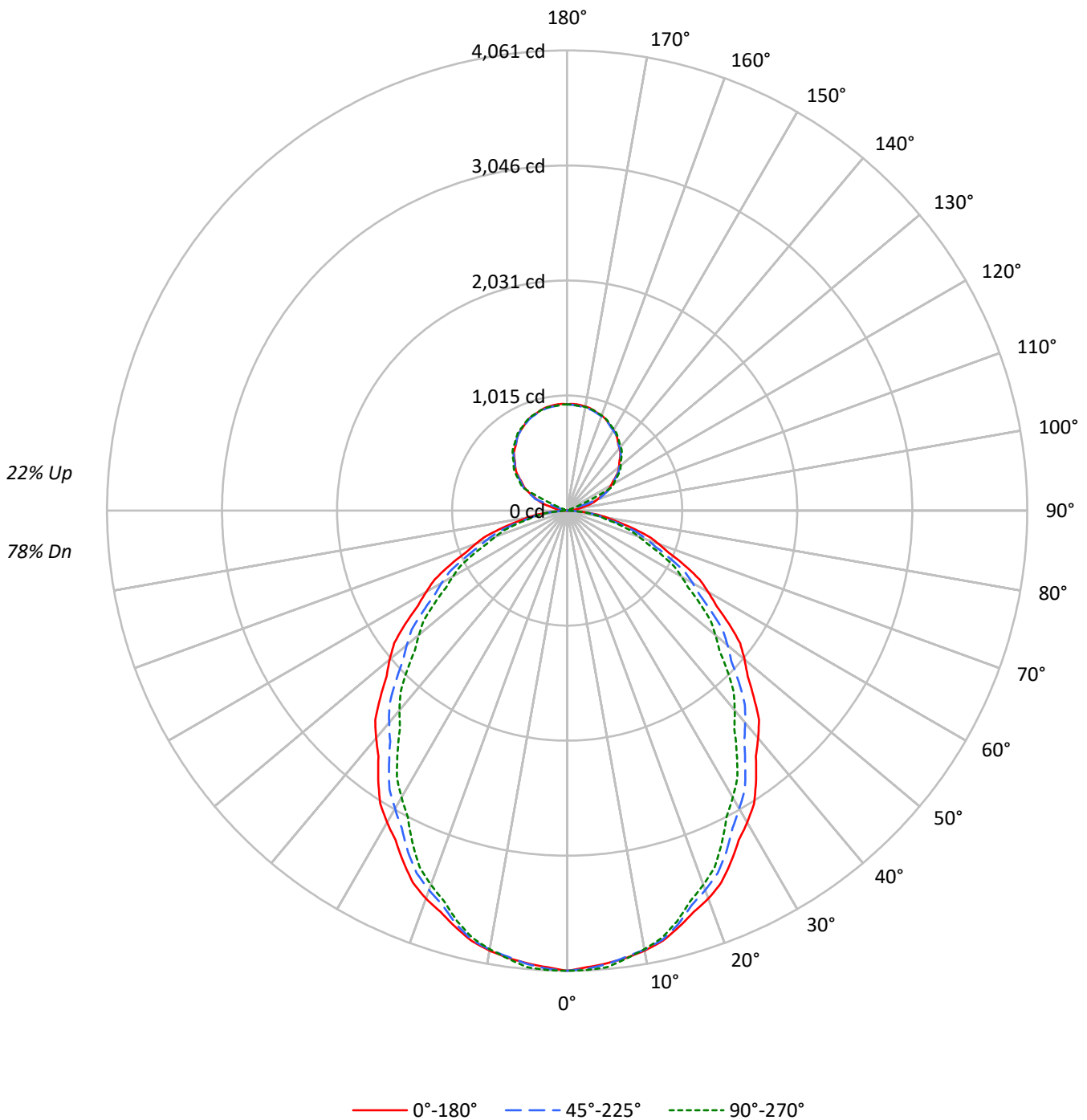
Lumens per Lamp: N/A
Luminaire Lumens: 12141.6 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

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										
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	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°	35368	35368	35368
5°	35067	35122	35366
10°	34868	34786	34758
15°	34316	34092	33811
20°	33776	33026	32565
25°	32868	31942	31046
30°	31958	30551	29393
35°	30911	29126	27737
40°	29801	27787	26160
45°	28685	26387	24626
50°	27679	25025	23130
55°	26440	23607	21718
60°	25022	22261	20310
65°	23516	20761	18902
70°	21854	19082	17103
75°	19879	17265	15485
80°	17779	15126	14037
85°	13669	12430	10252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28685 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.9	3.1
10°-20°	1064.6	8.8
20°-30°	1530.7	12.6
30°-40°	1720.5	14.2
40°-50°	1662.0	13.7
50°-60°	1404.2	11.6
60°-70°	1008.6	8.3
70°-80°	551.3	4.5
80°-90°	146.5	1.2
90°-100°	16.3	0.1
100°-110°	103.9	0.9
110°-120°	330.2	2.7
120°-130°	479.1	3.9
130°-140°	515.3	4.2
140°-150°	485.1	4.0
150°-160°	395.2	3.3
160°-170°	257.2	2.1
170°-180°	88.9	0.7
0°-30°	2977.2	24.5
0°-40°	4697.7	38.7
0°-60°	7763.9	63.9
0°-90°	9470.2	78.0
90°-120°	450.4	3.7
90°-150°	1930.0	15.9
90°-180°	2671.0	22.0
0°-180°	12141.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4061	4061	4061	4061	4061	
5°	4011	4066	4018	4018	4046	381
15°	3806	3840	3781	3744	3750	1073
25°	3421	3424	3324	3249	3231	1575
35°	2908	2874	2740	2633	2609	1816
45°	2329	2280	2142	2030	2000	1799
55°	1741	1678	1555	1458	1430	1557
65°	1141	1099	1008	936	917	1132
75°	591	554	513	472	460	632
85°	137	128	124	109	103	163
90°	0	0	0	1	1	7
95°	37	11	12	7	7	47
105°	195	202	20	24	25	205
115°	369	377	381	385	221	363
125°	524	534	534	543	550	469
135°	660	668	667	671	680	509
145°	772	778	773	774	784	483
155°	858	863	854	852	864	395
165°	914	917	908	904	913	258
175°	942	944	932	926	930	90
180°	937	937	937	937	937	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4061.2	4061.2	4061.2	4061.2	4061.2
2.5°	4033.8	4082.4	4046.2	4051.4	4058.7
5°	4011.4	4066.1	4017.6	4018.3	4045.6
7.5°	3982.8	4034.5	3973.5	3962.2	3987.8
10°	3943.0	3994.7	3933.7	3912.3	3930.6
12.5°	3890.8	3940.0	3881.4	3847.6	3863.4
15°	3806.2	3839.6	3781.3	3744.1	3750.2
17.5°	3714.1	3734.8	3650.7	3619.5	3613.4
20°	3644.5	3662.7	3563.6	3520.0	3513.9
22.5°	3554.9	3570.7	3466.6	3412.9	3404.4
25°	3420.6	3423.6	3324.2	3249.1	3230.9
27.5°	3280.0	3270.3	3160.0	3071.1	3047.4
30°	3178.0	3165.9	3038.1	2944.3	2923.0
32.5°	3068.6	3046.7	2918.7	2817.5	2796.2
35°	2907.5	2874.0	2739.6	2633.3	2609.0
37.5°	2735.8	2698.1	2566.1	2450.4	2423.0
40°	2621.4	2578.8	2444.2	2328.5	2301.1
42.5°	2507.0	2459.5	2322.3	2206.5	2176.7
45°	2329.1	2280.5	2142.5	2029.9	1999.5
47.5°	2159.9	2097.9	1964.0	1852.0	1821.6
50°	2043.0	1976.1	1847.1	1737.6	1707.2
52.5°	1923.6	1854.3	1730.2	1625.6	1595.2
55°	1741.4	1677.5	1554.8	1457.8	1430.4
57.5°	1561.0	1499.6	1387.5	1294.9	1268.1
60°	1436.6	1385.0	1278.1	1190.4	1166.1
62.5°	1317.2	1270.4	1168.6	1088.4	1064.1
65°	1141.2	1098.7	1007.5	935.6	917.3
67.5°	970.2	927.6	853.9	789.4	768.7
70°	858.3	815.7	749.4	689.9	671.7
72.5°	751.3	706.3	652.4	598.0	584.6
75°	590.8	554.3	513.1	472.4	460.2
77.5°	449.0	413.8	383.7	355.0	352.0
80°	354.5	324.1	301.6	282.9	279.9
82.5°	264.9	241.8	227.0	213.3	212.7
85°	136.8	127.7	124.4	108.7	102.6
87.5°	39.8	39.8	34.8	30.0	30.0
90°	0.0	0.0	0.0	0.7	0.7
92.5°	10.3	3.9	2.7	3.9	3.9
95°	37.3	10.8	11.5	7.4	6.8
97.5°	77.4	17.4	16.7	18.3	19.0
100°	107.7	35.5	18.3	21.0	21.7
102.5°	141.3	133.8	18.8	22.7	23.8
105°	195.1	202.4	20.3	23.7	25.1
107.5°	247.9	255.2	94.6	24.6	25.9
110°	283.2	290.4	299.4	25.1	26.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	316.2	325.1	331.9	55.9	27.5
115°	369.2	377.1	380.7	385.1	220.8
117.5°	415.9	425.7	429.8	437.4	444.8
120°	448.5	457.7	460.6	468.3	476.2
122.5°	480.4	488.6	490.5	499.2	506.6
125°	524.3	533.6	533.8	542.8	550.1
127.5°	568.2	576.2	575.8	582.5	590.6
130°	597.5	602.8	602.9	608.5	617.1
132.5°	621.9	629.3	629.5	634.0	642.6
135°	659.8	667.8	666.6	670.8	679.5
137.5°	695.4	703.1	701.0	704.6	713.5
140°	718.7	725.4	722.1	725.7	735.7
142.5°	740.4	747.0	742.2	745.3	755.7
145°	772.3	778.2	772.9	773.8	783.8
147.5°	800.6	806.4	800.0	800.9	810.2
150°	819.0	824.3	816.3	817.2	826.5
152.5°	835.3	840.0	831.5	831.3	842.2
155°	857.6	862.9	853.6	851.8	863.7
157.5°	877.9	882.8	873.5	872.2	881.5
160°	891.5	894.8	885.4	883.6	892.8
162.5°	900.7	904.5	895.1	892.2	901.5
165°	914.5	917.2	907.7	903.9	913.2
167.5°	926.4	929.5	917.4	913.9	923.9
170°	933.5	935.5	923.3	918.8	928.7
172.5°	937.8	939.3	927.1	922.0	928.7
175°	941.6	943.6	931.5	925.5	930.1
177.5°	942.3	943.4	934.2	928.9	936.9
180°	936.9	936.9	936.9	936.9	936.9



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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	21.67	22.83	22.34	23.52	24.33	20.57	21.73	21.24	22.42	23.23
	3H	23.33	24.38	24.02	25.08	25.92	22.12	23.16	22.81	23.86	24.70
	4H	23.98	24.96	24.68	25.67	26.53	22.70	23.69	23.41	24.40	25.25
	6H	24.39	25.30	25.12	26.03	26.89	23.09	24.00	23.81	24.72	25.59
	8H	24.55	25.42	25.28	26.16	27.03	23.24	24.11	23.97	24.85	25.72
	12H	24.63	25.46	25.37	26.20	27.09	23.31	24.14	24.05	24.87	25.77
4H	2H	22.11	23.10	22.82	23.81	24.66	21.24	22.22	21.95	22.93	23.79
	3H	24.01	24.83	24.73	25.58	26.45	23.00	23.82	23.72	24.57	25.44
	4H	24.77	25.51	25.51	26.26	27.16	23.69	24.43	24.42	25.18	26.08
	6H	25.30	25.95	26.06	26.72	27.63	24.18	24.82	24.94	25.60	26.51
	8H	25.51	26.12	26.28	26.89	27.81	24.37	24.98	25.14	25.75	26.67
	12H	25.63	26.18	26.42	26.97	27.90	24.48	25.02	25.26	25.81	26.74
8H	4H	24.95	25.55	25.71	26.32	27.24	23.98	24.59	24.74	25.36	26.28
	6H	25.60	26.10	26.39	26.91	27.84	24.60	25.10	25.39	25.91	26.84
	8H	25.89	26.34	26.70	27.15	28.09	24.88	25.32	25.68	26.13	27.07
	12H	26.08	26.47	26.89	27.28	28.27	25.04	25.43	25.85	26.24	27.23
12H	4H	24.94	25.48	25.72	26.28	27.20	24.00	24.54	24.78	25.34	26.26
	6H	25.63	26.08	26.43	26.89	27.83	24.66	25.11	25.47	25.92	26.86
	8H	25.96	26.35	26.77	27.16	28.16	24.98	25.38	25.79	26.18	27.18