

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: P1438628

Luminaire Tested: CB2-030U-120D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438628
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

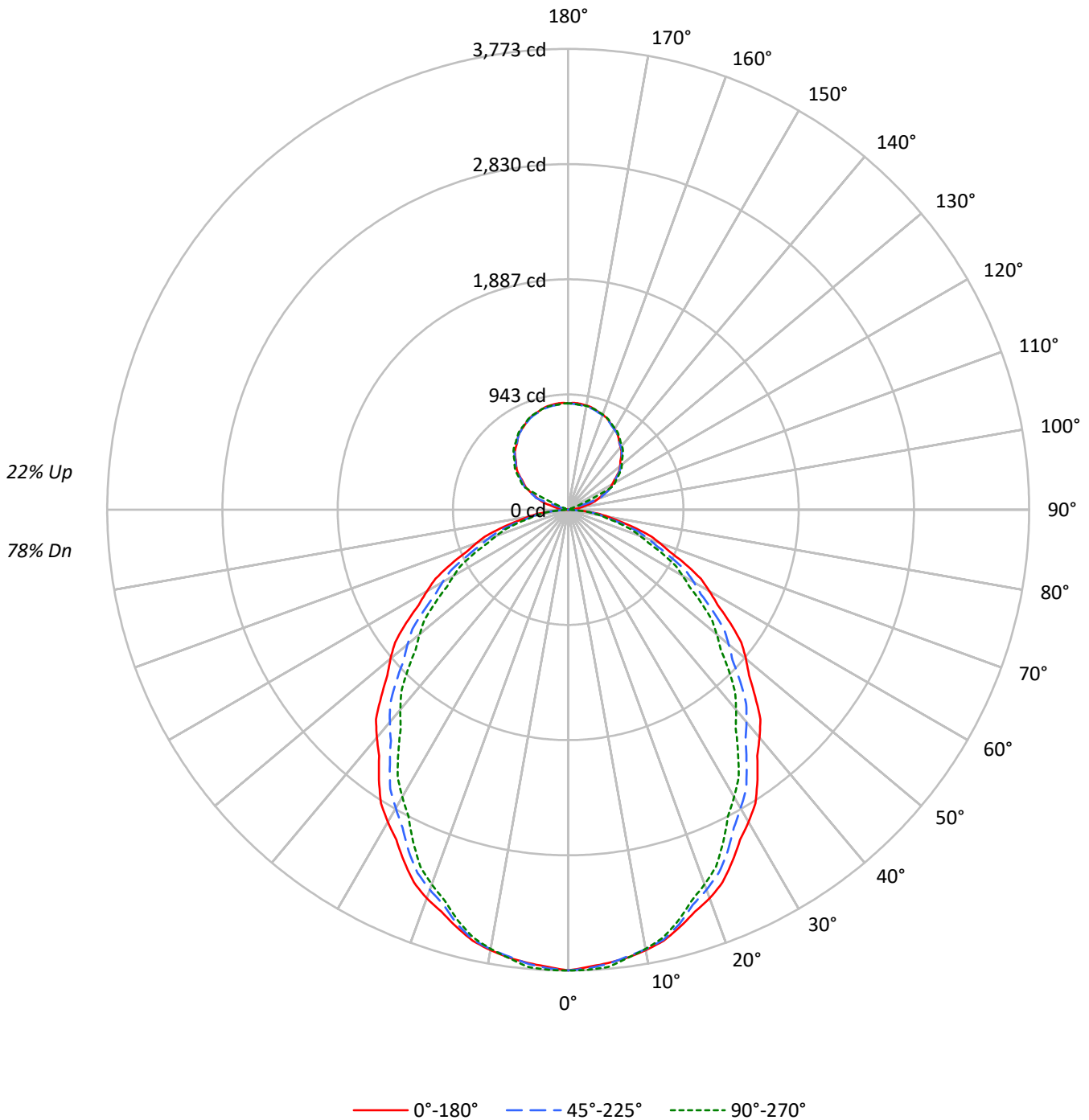
Lumens per Lamp: N/A
Luminaire Lumens: 11279.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

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	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°	32854	32854	32854
5°	32576	32627	32854
10°	32391	32314	32288
15°	31878	31669	31410
20°	31375	30679	30251
25°	30533	29672	28840
30°	29687	28381	27306
35°	28714	27056	25766
40°	27684	25812	24301
45°	26647	24512	22876
50°	25713	23248	21486
55°	24562	21929	20175
60°	23245	20680	18868
65°	21845	19286	17561
70°	20301	17727	15889
75°	18469	16037	14384
80°	16515	14052	13039
85°	12700	11541	9522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26647 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.8	3.1
10°-20°	988.9	8.8
20°-30°	1421.9	12.6
30°-40°	1598.2	14.2
40°-50°	1543.9	13.7
50°-60°	1304.5	11.6
60°-70°	937.0	8.3
70°-80°	512.1	4.5
80°-90°	136.1	1.2
90°-100°	15.2	0.1
100°-110°	96.5	0.9
110°-120°	306.7	2.7
120°-130°	445.1	3.9
130°-140°	478.7	4.2
140°-150°	450.7	4.0
150°-160°	367.1	3.3
160°-170°	239.0	2.1
170°-180°	82.6	0.7
0°-30°	2765.7	24.5
0°-40°	4363.9	38.7
0°-60°	7212.3	63.9
0°-90°	8797.4	78.0
90°-120°	418.4	3.7
90°-150°	1792.8	15.9
90°-180°	2482.0	22.0
0°-180°	11279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3773	3773	3773	3773	3773	
5°	3726	3777	3732	3733	3758	354
15°	3536	3567	3513	3478	3484	997
25°	3178	3180	3088	3018	3001	1463
35°	2701	2670	2545	2446	2424	1687
45°	2164	2118	1990	1886	1857	1672
55°	1618	1558	1444	1354	1329	1446
65°	1060	1021	936	869	852	1051
75°	549	515	477	439	428	587
85°	127	119	116	101	95	151
90°	0	0	0	1	1	6
95°	35	10	11	7	6	44
105°	181	188	19	22	23	191
115°	343	350	354	358	205	337
125°	487	496	496	504	511	435
135°	613	620	619	623	631	473
145°	717	723	718	719	728	448
155°	797	802	793	791	802	367
165°	850	852	843	840	848	240
175°	875	877	865	860	864	83
180°	870	870	870	870	870	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3772.6	3772.6	3772.6	3772.6	3772.6
2.5°	3747.2	3792.4	3758.8	3763.5	3770.3
5°	3726.4	3777.3	3732.2	3732.8	3758.2
7.5°	3699.8	3747.9	3691.2	3680.7	3704.5
10°	3662.9	3710.9	3654.2	3634.4	3651.3
12.5°	3614.3	3660.1	3605.7	3574.2	3588.9
15°	3535.8	3566.8	3512.6	3478.1	3483.8
17.5°	3450.3	3469.5	3391.3	3362.3	3356.7
20°	3385.5	3402.5	3310.4	3269.9	3264.2
22.5°	3302.4	3317.0	3220.3	3170.4	3162.5
25°	3177.6	3180.4	3088.0	3018.3	3001.4
27.5°	3047.0	3038.0	2935.5	2852.9	2830.9
30°	2952.2	2940.9	2822.3	2735.1	2715.4
32.5°	2850.6	2830.2	2711.3	2617.3	2597.5
35°	2700.9	2669.9	2544.9	2446.2	2423.6
37.5°	2541.5	2506.4	2383.7	2276.3	2250.9
40°	2435.2	2395.6	2270.5	2163.1	2137.6
42.5°	2328.9	2284.8	2157.3	2049.8	2022.1
45°	2163.6	2118.4	1990.3	1885.7	1857.4
47.5°	2006.5	1948.9	1824.5	1720.4	1692.2
50°	1897.9	1835.7	1715.9	1614.1	1585.9
52.5°	1786.9	1722.5	1607.3	1510.1	1481.9
55°	1617.7	1558.4	1444.3	1354.2	1328.8
57.5°	1450.1	1393.1	1288.9	1202.9	1178.0
60°	1334.6	1286.6	1187.3	1105.9	1083.3
62.5°	1223.6	1180.2	1085.6	1011.1	988.5
65°	1060.1	1020.6	935.9	869.1	852.2
67.5°	901.3	861.7	793.2	733.3	714.1
70°	797.3	757.7	696.2	640.9	624.0
72.5°	697.9	656.1	606.0	555.5	543.1
75°	548.9	515.0	476.6	438.8	427.5
77.5°	417.1	384.4	356.5	329.8	327.0
80°	329.3	301.1	280.2	262.8	260.0
82.5°	246.1	224.7	210.9	198.2	197.6
85°	127.1	118.6	115.5	101.0	95.3
87.5°	37.0	37.0	32.4	27.9	27.9
90°	0.0	0.0	0.0	0.6	0.6
92.5°	9.6	3.7	2.5	3.6	3.6
95°	34.6	10.0	10.7	6.9	6.3
97.5°	71.9	16.1	15.5	17.0	17.6
100°	100.1	33.0	17.0	19.5	20.1
102.5°	131.3	124.3	17.5	21.0	22.2
105°	181.2	188.0	18.9	22.1	23.3
107.5°	230.3	237.1	87.8	22.8	24.0
110°	263.0	269.8	278.1	23.3	24.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	293.8	302.0	308.4	51.9	25.5
115°	343.0	350.3	353.7	357.7	205.1
117.5°	386.4	395.5	399.2	406.3	413.2
120°	416.6	425.2	427.9	435.0	442.4
122.5°	446.3	453.9	455.6	463.7	470.6
125°	487.1	495.7	495.9	504.2	511.0
127.5°	527.9	535.2	534.9	541.1	548.6
130°	555.0	560.0	560.1	565.3	573.3
132.5°	577.7	584.6	584.7	588.9	596.9
135°	612.9	620.3	619.2	623.2	631.2
137.5°	646.0	653.2	651.2	654.5	662.8
140°	667.7	673.8	670.8	674.2	683.4
142.5°	687.8	694.0	689.5	692.3	702.0
145°	717.4	722.9	718.0	718.9	728.1
147.5°	743.7	749.1	743.2	744.0	752.6
150°	760.8	765.7	758.3	759.1	767.7
152.5°	775.9	780.3	772.4	772.2	782.3
155°	796.7	801.6	792.9	791.3	802.3
157.5°	815.6	820.1	811.4	810.2	818.8
160°	828.1	831.2	822.5	820.8	829.4
162.5°	836.7	840.3	831.5	828.8	837.5
165°	849.5	852.0	843.3	839.7	848.3
167.5°	860.6	863.5	852.2	849.0	858.2
170°	867.2	869.0	857.7	853.5	862.8
172.5°	871.2	872.5	861.2	856.5	862.8
175°	874.7	876.6	865.3	859.7	864.0
177.5°	875.3	876.3	867.8	862.9	870.3
180°	870.3	870.3	870.3	870.3	870.3

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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	21.41	22.58	22.09	23.27	24.07	20.31	21.48	20.99	22.17	22.97
	3H	23.08	24.12	23.77	24.82	25.67	21.86	22.91	22.55	23.61	24.45
	4H	23.72	24.71	24.43	25.42	26.27	22.45	23.43	23.16	24.15	25.00
	6H	24.14	25.05	24.86	25.77	26.64	22.83	23.74	23.56	24.47	25.33
	8H	24.30	25.16	25.03	25.90	26.77	22.98	23.85	23.72	24.59	25.46
	12H	24.38	25.21	25.12	25.94	26.84	23.06	23.88	23.79	24.62	25.52
4H	2H	21.86	22.84	22.57	23.55	24.41	20.98	21.97	21.69	22.68	23.53
	3H	23.75	24.57	24.48	25.32	26.19	22.74	23.57	23.47	24.31	25.19
	4H	24.51	25.26	25.25	26.01	26.91	23.43	24.17	24.17	24.93	25.83
	6H	25.05	25.69	25.80	26.47	27.38	23.92	24.57	24.68	25.34	26.25
	8H	25.26	25.86	26.02	26.63	27.55	24.12	24.72	24.88	25.49	26.41
	12H	25.38	25.92	26.16	26.72	27.64	24.22	24.76	25.00	25.56	26.48
8H	4H	24.69	25.29	25.45	26.07	26.99	23.73	24.33	24.49	25.10	26.02
	6H	25.34	25.84	26.14	26.66	27.58	24.34	24.84	25.13	25.66	26.58
	8H	25.64	26.08	26.44	26.90	27.83	24.62	25.06	25.42	25.88	26.82
	12H	25.82	26.22	26.63	27.02	28.02	24.78	25.18	25.59	25.98	26.98
12H	4H	24.68	25.23	25.47	26.02	26.95	23.74	24.29	24.53	25.08	26.01
	6H	25.37	25.82	26.18	26.63	27.57	24.41	24.85	25.21	25.67	26.61
	8H	25.71	26.10	26.51	26.90	27.90	24.73	25.12	25.53	25.92	26.92