

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: P1438639

Luminaire Tested: CB2-030U-120D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438639
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-4
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

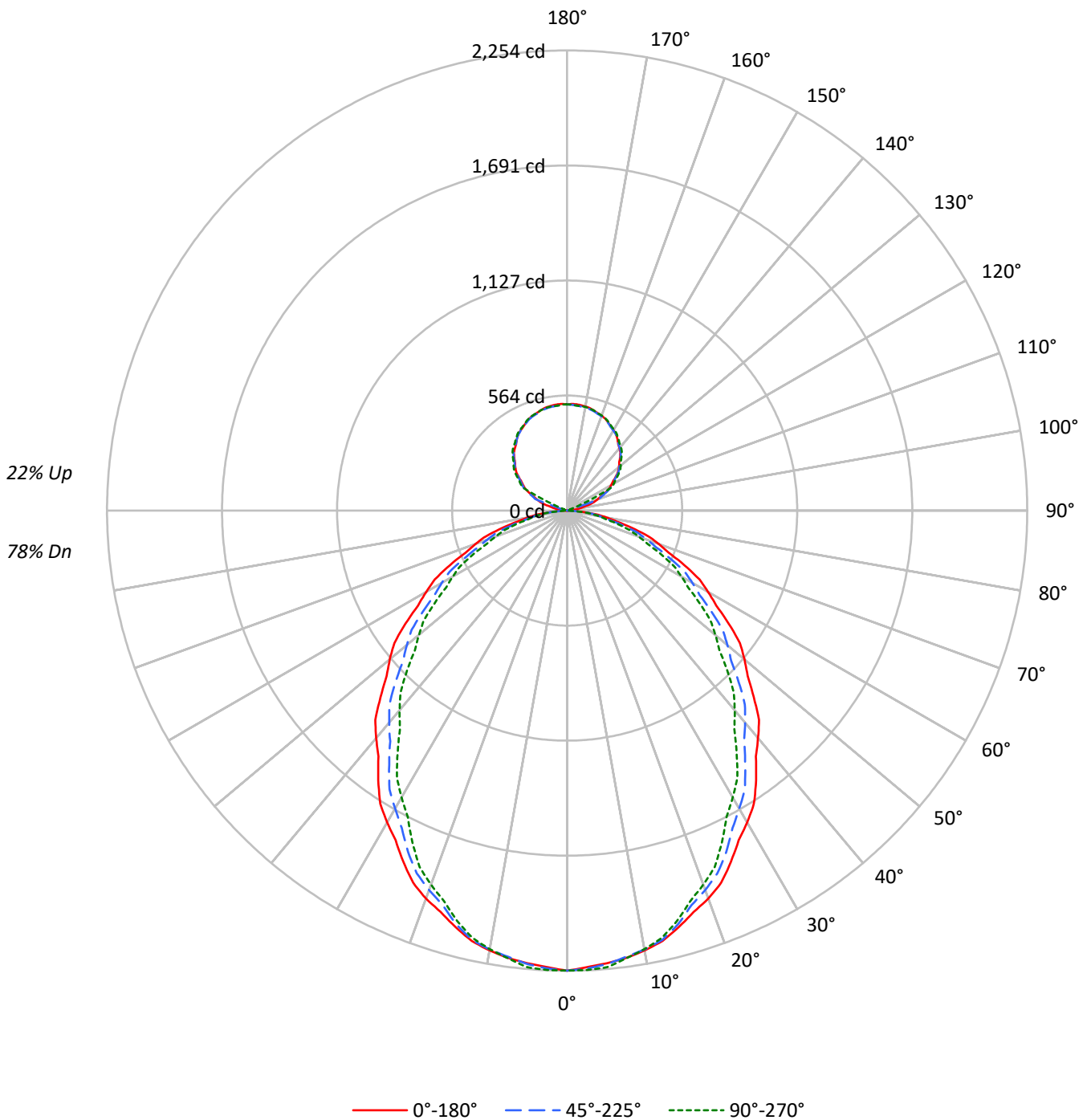
Lumens per Lamp: N/A
Luminaire Lumens: 6737.7 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 51.6
Input Voltage (V): 120
Input Current (Ain): 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°	38919	38980	39251
10°	38699	38607	38577
15°	38087	37836	37526
20°	37485	36655	36142
25°	36479	35451	34456
30°	35469	33907	32623
35°	34305	32326	30784
40°	33075	30838	29035
45°	31837	29285	27331
50°	30719	27774	25671
55°	29343	26200	24105
60°	27770	24705	22542
65°	26100	23042	20982
70°	24256	21180	18980
75°	22066	19159	17187
80°	19729	16791	15577
85°	15168	13789	11371

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°	211.9	3.1
10°-20°	590.8	8.8
20°-30°	849.4	12.6
30°-40°	954.7	14.2
40°-50°	922.3	13.7
50°-60°	779.3	11.6
60°-70°	559.7	8.3
70°-80°	305.9	4.5
80°-90°	81.3	1.2
90°-100°	9.1	0.1
100°-110°	57.7	0.9
110°-120°	183.2	2.7
120°-130°	265.9	3.9
130°-140°	285.9	4.2
140°-150°	269.2	4.0
150°-160°	219.3	3.3
160°-170°	142.8	2.1
170°-180°	49.3	0.7
0°-30°	1652.1	24.5
0°-40°	2606.9	38.7
0°-60°	4308.4	63.9
0°-90°	5255.3	78.0
90°-120°	250.0	3.7
90°-150°	1071.0	15.9
90°-180°	1482.0	22.0
0°-180°	6737.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2254	2254	2254	2254	2254	
5°	2226	2256	2230	2230	2245	211
15°	2112	2131	2098	2078	2081	595
25°	1898	1900	1845	1803	1793	874
35°	1613	1595	1520	1461	1448	1008
45°	1292	1266	1189	1126	1110	999
55°	966	931	863	809	794	864
65°	633	610	559	519	509	628
75°	328	308	285	262	255	351
85°	76	71	69	60	57	90
90°	0	0	0	0	0	4
95°	21	6	6	4	4	26
105°	108	112	11	13	14	114
115°	205	209	211	214	122	201
125°	291	296	296	301	305	260
135°	366	371	370	372	377	282
145°	428	432	429	429	435	268
155°	476	479	474	473	479	219
165°	508	509	504	502	507	143
175°	522	524	517	514	516	50
180°	520	520	520	520	520	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2253.7	2253.7	2253.7	2253.7	2253.7
2.5°	2238.5	2265.5	2245.4	2248.2	2252.3
5°	2226.0	2256.4	2229.5	2229.8	2245.0
7.5°	2210.2	2238.8	2205.0	2198.8	2212.9
10°	2188.1	2216.8	2182.9	2171.1	2181.2
12.5°	2159.1	2186.4	2153.9	2135.1	2143.9
15°	2112.2	2130.7	2098.3	2077.7	2081.1
17.5°	2061.1	2072.5	2025.9	2008.5	2005.2
20°	2022.4	2032.5	1977.6	1953.3	1949.9
22.5°	1972.7	1981.5	1923.7	1893.9	1889.2
25°	1898.2	1899.9	1844.7	1803.0	1792.9
27.5°	1820.2	1814.8	1753.6	1704.3	1691.1
30°	1763.6	1756.8	1685.9	1633.9	1622.1
32.5°	1702.8	1690.7	1619.7	1563.5	1551.7
35°	1613.4	1594.9	1520.3	1461.3	1447.8
37.5°	1518.2	1497.3	1424.0	1359.8	1344.6
40°	1454.7	1431.1	1356.3	1292.1	1277.0
42.5°	1391.2	1364.9	1288.7	1224.5	1207.9
45°	1292.5	1265.5	1188.9	1126.4	1109.6
47.5°	1198.6	1164.2	1089.9	1027.7	1010.9
50°	1133.7	1096.6	1025.0	964.2	947.4
52.5°	1067.5	1029.0	960.1	902.1	885.2
55°	966.3	930.9	862.8	809.0	793.8
57.5°	866.3	832.2	770.0	718.6	703.7
60°	797.2	768.6	709.2	660.6	647.1
62.5°	731.0	705.0	648.5	604.0	590.5
65°	633.3	609.7	559.1	519.2	509.1
67.5°	538.4	514.8	473.9	438.0	426.6
70°	476.3	452.6	415.9	382.9	372.7
72.5°	416.9	391.9	362.0	331.8	324.4
75°	327.9	307.6	284.7	262.1	255.4
77.5°	249.2	229.6	212.9	197.0	195.3
80°	196.7	179.8	167.4	157.0	155.3
82.5°	147.0	134.2	126.0	118.4	118.0
85°	75.9	70.9	69.0	60.3	56.9
87.5°	22.1	22.1	19.3	16.6	16.6
90°	0.0	0.0	0.0	0.4	0.4
92.5°	5.7	2.2	1.5	2.2	2.2
95°	20.7	6.0	6.4	4.1	3.8
97.5°	42.9	9.6	9.2	10.2	10.5
100°	59.8	19.7	10.1	11.7	12.0
102.5°	78.4	74.2	10.5	12.6	13.2
105°	108.3	112.3	11.3	13.2	13.9
107.5°	137.6	141.6	52.5	13.6	14.4
110°	157.1	161.2	166.2	13.9	14.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	175.5	180.4	184.2	31.0	15.3
115°	204.9	209.3	211.3	213.7	122.5
117.5°	230.8	236.3	238.5	242.7	246.8
120°	248.9	254.0	255.6	259.9	264.3
122.5°	266.6	271.2	272.2	277.0	281.1
125°	291.0	296.1	296.2	301.2	305.2
127.5°	315.3	319.7	319.5	323.2	327.7
130°	331.6	334.5	334.6	337.7	342.5
132.5°	345.1	349.2	349.3	351.8	356.6
135°	366.1	370.6	369.9	372.3	377.0
137.5°	385.9	390.2	389.0	391.0	395.9
140°	398.9	402.5	400.7	402.7	408.2
142.5°	410.9	414.6	411.9	413.6	419.4
145°	428.5	431.9	428.9	429.4	434.9
147.5°	444.3	447.5	444.0	444.5	449.6
150°	454.5	457.4	453.0	453.5	458.6
152.5°	463.5	466.2	461.4	461.3	467.3
155°	475.9	478.9	473.7	472.7	479.3
157.5°	487.2	489.9	484.7	484.0	489.1
160°	494.7	496.5	491.3	490.3	495.5
162.5°	499.8	502.0	496.7	495.1	500.3
165°	507.5	509.0	503.7	501.6	506.7
167.5°	514.1	515.8	509.1	507.2	512.7
170°	518.0	519.1	512.4	509.9	515.4
172.5°	520.4	521.2	514.5	511.6	515.4
175°	522.5	523.6	516.9	513.6	516.1
177.5°	522.9	523.5	518.4	515.5	519.9
180°	519.9	519.9	519.9	519.9	519.9



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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	22.03	23.19	22.70	23.88	24.69	20.93	22.09	21.61	22.79	23.59
	3H	23.70	24.74	24.39	25.44	26.28	22.48	23.53	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	22.59	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	25.18	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	26.27	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	27.59
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	26.28	27.22
	8H	26.32	26.72	27.13	27.52	28.52	25.35	25.74	26.15	26.54	27.54