

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: P1438691

Luminaire Tested: CB2-055U-120D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438691
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: CB2-055U-120D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

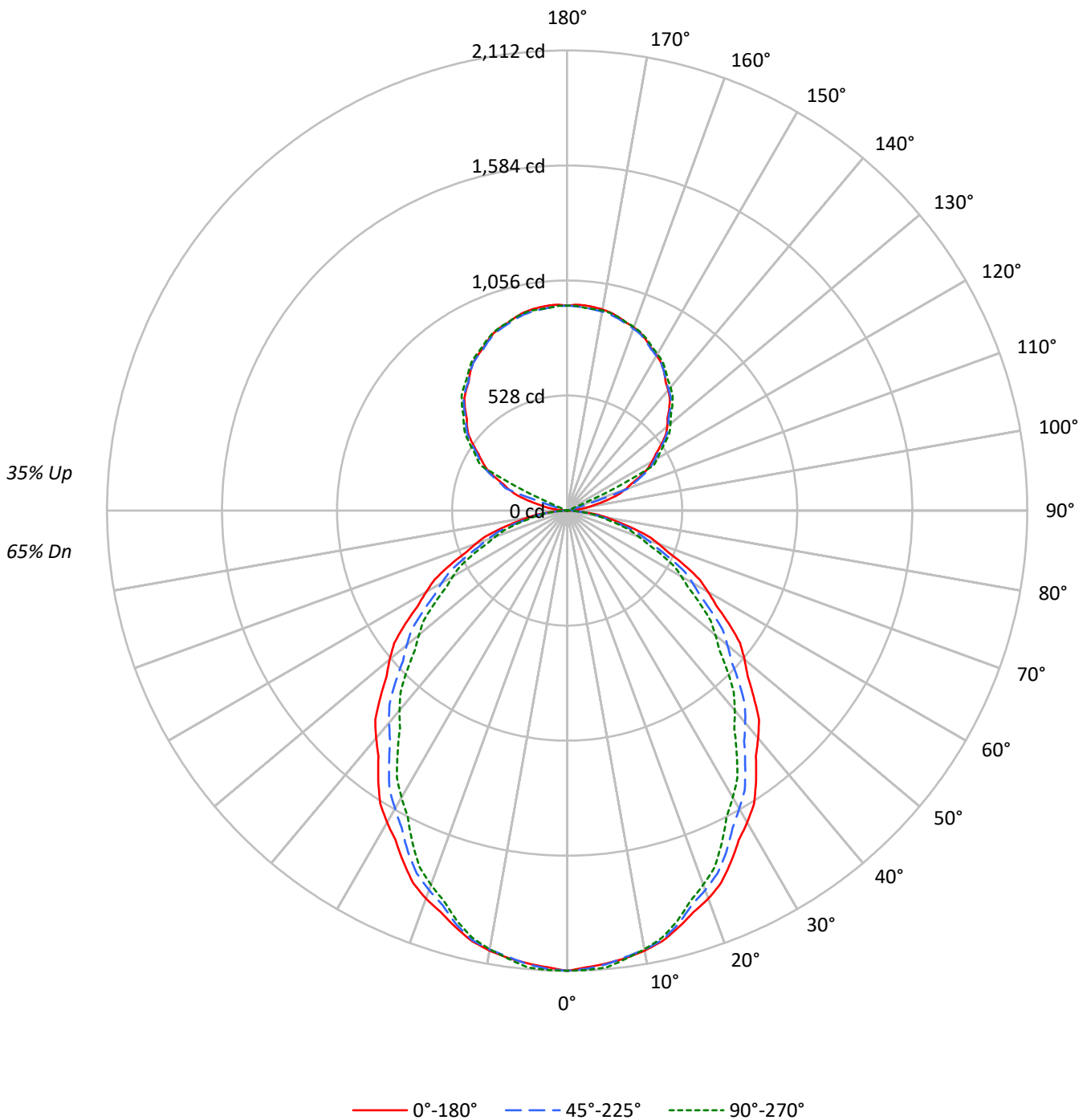
Lumens per Lamp: N/A
Luminaire Lumens: 7607.2 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 59.4
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	111	111	111	111	104	104	104	104	92	92	92	80	80	80	70	70	70	65
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	61	59	55
2	92	85	79	74	87	80	75	70	71	67	63	63	59	57	55	52	50	46
3	85	75	68	62	79	71	64	59	63	58	53	56	52	48	49	46	43	40
4	78	67	59	52	73	63	56	50	56	50	46	50	45	42	44	40	37	34
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	30
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	26
7	61	49	40	35	57	46	39	34	41	35	31	37	32	28	33	29	26	23
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36787	36787	36787
5°	36475	36531	36786
10°	36267	36182	36152
15°	35694	35459	35167
20°	35132	34351	33871
25°	34187	33224	32292
30°	33241	31777	30574
35°	32151	30295	28849
40°	30997	28901	27209
45°	29837	27447	25615
50°	28790	26029	24056
55°	27500	24554	22589
60°	26025	23155	21127
65°	24460	21596	19663
70°	22728	19845	17788
75°	20680	17954	16104
80°	18496	15737	14594
85°	14229	12930	10672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29837 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.6	2.6
10°-20°	553.7	7.3
20°-30°	796.1	10.5
30°-40°	894.8	11.8
40°-50°	864.3	11.4
50°-60°	730.3	9.6
60°-70°	524.6	6.9
70°-80°	286.7	3.8
80°-90°	76.2	1.0
90°-100°	16.4	0.2
100°-110°	104.3	1.4
110°-120°	331.5	4.4
120°-130°	481.0	6.3
130°-140°	517.3	6.8
140°-150°	487.1	6.4
150°-160°	396.8	5.2
160°-170°	258.3	3.4
170°-180°	89.3	1.2
0°-30°	1548.3	20.4
0°-40°	2443.1	32.1
0°-60°	4037.7	53.1
0°-90°	4925.2	64.7
90°-120°	452.2	5.9
90°-150°	1937.6	25.5
90°-180°	2682.0	35.3
0°-180°	7607.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2112	2112	2112	2112	2112	
5°	2086	2115	2089	2090	2104	198
15°	1980	1997	1966	1947	1950	558
25°	1779	1780	1729	1690	1680	819
35°	1512	1495	1425	1370	1357	945
45°	1211	1186	1114	1056	1040	936
55°	906	872	809	758	744	810
65°	594	571	524	487	477	589
75°	307	288	267	246	239	329
85°	71	66	65	56	53	85
90°	0	0	0	1	1	4
95°	37	11	12	8	7	47
105°	196	203	20	24	25	206
115°	371	379	382	387	222	364
125°	526	536	536	545	552	471
135°	662	670	669	674	682	511
145°	775	781	776	777	787	485
155°	861	866	857	855	867	397
165°	918	921	911	908	917	259
175°	945	947	935	929	934	90
180°	941	941	941	941	941	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2112.1	2112.1	2112.1	2112.1	2112.1
2.5°	2097.8	2123.1	2104.3	2107.0	2110.8
5°	2086.2	2114.7	2089.4	2089.7	2104.0
7.5°	2071.3	2098.2	2066.5	2060.6	2073.9
10°	2050.6	2077.5	2045.8	2034.7	2044.1
12.5°	2023.4	2049.1	2018.6	2001.0	2009.2
15°	1979.5	1996.8	1966.5	1947.2	1950.3
17.5°	1931.6	1942.3	1898.6	1882.4	1879.2
20°	1895.4	1904.8	1853.3	1830.6	1827.4
22.5°	1848.8	1857.0	1802.9	1774.9	1770.5
25°	1778.9	1780.5	1728.8	1689.8	1680.3
27.5°	1705.8	1700.8	1643.4	1597.2	1584.9
30°	1652.8	1646.5	1580.0	1531.2	1520.2
32.5°	1595.9	1584.5	1517.9	1465.3	1454.2
35°	1512.1	1494.7	1424.8	1369.5	1356.8
37.5°	1422.8	1403.2	1334.5	1274.4	1260.1
40°	1363.3	1341.2	1271.1	1211.0	1196.7
42.5°	1303.8	1279.1	1207.7	1147.5	1132.0
45°	1211.3	1186.0	1114.3	1055.7	1039.9
47.5°	1123.3	1091.1	1021.4	963.2	947.4
50°	1062.5	1027.7	960.6	903.7	887.8
52.5°	1000.4	964.3	899.8	845.4	829.6
55°	905.6	872.4	808.6	758.1	743.9
57.5°	811.8	779.9	721.6	673.4	659.5
60°	747.1	720.3	664.7	619.1	606.5
62.5°	685.0	660.7	607.7	566.1	553.4
65°	593.5	571.4	524.0	486.6	477.1
67.5°	504.6	482.4	444.1	410.5	399.8
70°	446.3	424.2	389.7	358.8	349.3
72.5°	390.7	367.3	339.3	311.0	304.0
75°	307.3	288.3	266.8	245.7	239.3
77.5°	233.5	215.2	199.6	184.6	183.1
80°	184.4	168.5	156.9	147.1	145.5
82.5°	137.8	125.8	118.1	110.9	110.6
85°	71.2	66.4	64.7	56.5	53.4
87.5°	20.7	20.7	18.1	15.7	15.7
90°	0.0	0.0	0.0	0.7	0.7
92.5°	10.3	4.0	2.7	3.9	3.9
95°	37.4	10.8	11.6	7.5	6.8
97.5°	77.7	17.4	16.7	18.4	19.0
100°	108.1	35.7	18.4	21.1	21.8
102.5°	141.9	134.3	18.9	22.7	23.9
105°	195.9	203.2	20.4	23.8	25.2
107.5°	248.9	256.2	94.9	24.7	26.0
110°	284.3	291.6	300.6	25.2	26.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	317.5	326.4	333.3	56.1	27.6
115°	370.7	378.6	382.2	386.6	221.7
117.5°	417.6	427.4	431.5	439.1	446.6
120°	450.2	459.6	462.5	470.1	478.1
122.5°	482.3	490.6	492.4	501.1	508.6
125°	526.4	535.7	535.9	544.9	552.3
127.5°	570.5	578.5	578.1	584.8	592.9
130°	599.9	605.2	605.3	610.9	619.6
132.5°	624.4	631.8	632.0	636.5	645.2
135°	662.4	670.4	669.2	673.5	682.2
137.5°	698.2	705.9	703.8	707.4	716.3
140°	721.6	728.3	725.0	728.6	738.6
142.5°	743.4	750.0	745.1	748.2	758.7
145°	775.3	781.3	776.0	776.9	786.9
147.5°	803.8	809.6	803.2	804.1	813.4
150°	822.3	827.6	819.6	820.4	829.8
152.5°	838.6	843.4	834.8	834.6	845.5
155°	861.0	866.4	857.0	855.2	867.2
157.5°	881.4	886.4	877.0	875.7	885.0
160°	895.0	898.4	888.9	887.1	896.4
162.5°	904.3	908.2	898.7	895.8	905.1
165°	918.2	920.8	911.4	907.5	916.8
167.5°	930.1	933.2	921.0	917.6	927.6
170°	937.2	939.2	927.0	922.5	932.5
172.5°	941.6	943.0	930.8	925.7	932.5
175°	945.4	947.4	935.2	929.2	933.8
177.5°	946.1	947.1	937.9	932.6	940.6
180°	940.6	940.6	940.6	940.6	940.6



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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	20.79	21.79	21.61	22.63	23.67	19.69	20.69	20.51	21.53	22.57
	3H	22.45	23.34	23.28	24.19	25.26	21.23	22.12	22.06	22.97	24.05
	4H	23.08	23.92	23.93	24.78	25.87	21.81	22.65	22.66	23.51	24.59
	6H	23.49	24.27	24.35	25.13	26.23	22.19	22.96	23.05	23.83	24.93
	8H	23.64	24.38	24.51	25.27	26.36	22.33	23.07	23.20	23.96	25.05
	12H	23.72	24.43	24.60	25.30	26.43	22.40	23.10	23.28	23.98	25.10
4H	2H	21.22	22.06	22.07	22.92	24.00	20.34	21.18	21.20	22.04	23.13
	3H	23.10	23.80	23.96	24.69	25.79	22.09	22.79	22.96	23.68	24.78
	4H	23.85	24.49	24.73	25.38	26.50	22.77	23.41	23.65	24.30	25.42
	6H	24.38	24.93	25.27	25.84	26.97	23.25	23.80	24.14	24.72	25.84
	8H	24.58	25.10	25.48	26.01	27.15	23.44	23.96	24.34	24.87	26.01
	12H	24.70	25.16	25.61	26.09	27.23	23.54	24.00	24.45	24.93	26.08
8H	4H	24.02	24.53	24.91	25.44	26.58	23.05	23.57	23.95	24.48	25.62
	6H	24.66	25.09	25.59	26.04	27.18	23.66	24.09	24.59	25.04	26.18
	8H	24.95	25.33	25.89	26.27	27.43	23.94	24.32	24.87	25.26	26.41
	12H	25.13	25.47	26.07	26.40	27.61	24.09	24.43	25.03	25.36	26.57
12H	4H	24.00	24.47	24.92	25.39	26.54	23.06	23.53	23.98	24.45	25.60
	6H	24.69	25.07	25.63	26.01	27.17	23.72	24.10	24.66	25.04	26.20
	8H	25.02	25.35	25.95	26.28	27.49	24.04	24.37	24.97	25.30	26.51