

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: P1439132

Luminaire Tested: CB3-030U-055D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439132
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-030U-055D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

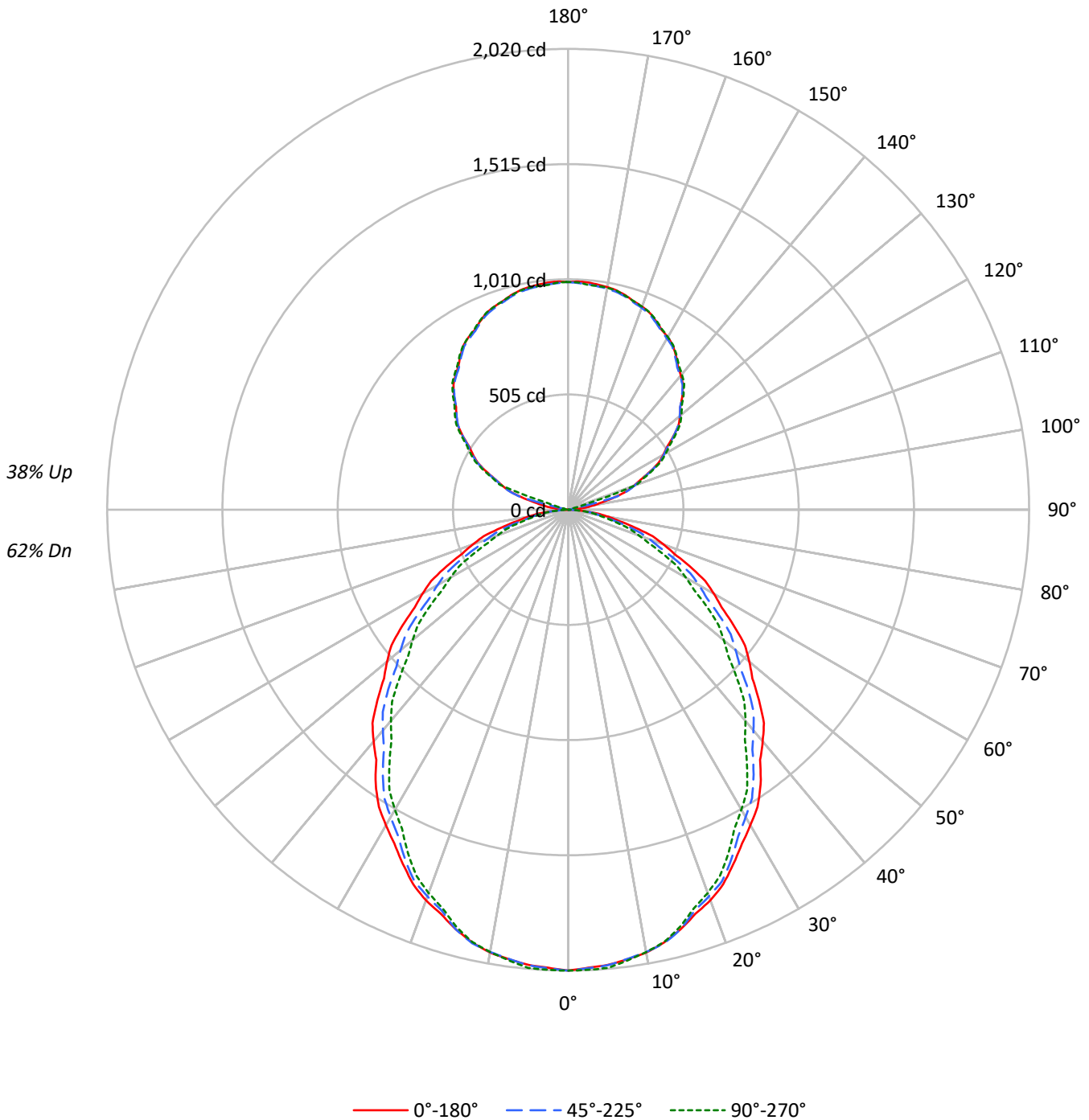
Lumens per Lamp: N/A
Luminaire Lumens: 7781.2 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 50.6
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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	93	89	94	91	87	84	79	77	75	69	67	66	60	59	57	53
2	92	84	78	73	86	79	74	69	70	66	62	61	58	55	53	51	49	45
3	84	74	67	61	78	70	64	58	62	57	53	54	50	47	47	44	42	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	44	39	44	39	35	38	35	32	29
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	25
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	22
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	33	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	32	26	22	28	24	20	25	21	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11429	11429	11429
5°	11375	11383	11449
10°	11325	11309	11309
15°	11151	11151	11085
20°	10971	10858	10763
25°	10694	10560	10372
30°	10432	10161	9917
35°	10157	9781	9434
40°	9791	9325	8922
45°	9459	8920	8369
50°	9118	8436	7830
55°	8746	7967	7317
60°	8344	7485	6738
65°	7875	6934	6127
70°	7334	6289	5458
75°	6649	5519	4861
80°	5796	4626	4300
85°	4472	3914	3914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	2.4
10°-20°	535.5	6.9
20°-30°	778.0	10.0
30°-40°	884.6	11.4
40°-50°	858.7	11.0
50°-60°	725.0	9.3
60°-70°	515.8	6.6
70°-80°	275.6	3.5
80°-90°	72.9	0.9
90°-100°	23.0	0.3
100°-110°	166.9	2.1
110°-120°	396.7	5.1
120°-130°	506.8	6.5
130°-140°	546.7	7.0
140°-150°	515.3	6.6
150°-160°	420.4	5.4
160°-170°	273.9	3.5
170°-180°	94.7	1.2
0°-30°	1504.2	19.3
0°-40°	2388.8	30.7
0°-60°	3972.5	51.1
0°-90°	4836.8	62.2
90°-120°	586.6	7.5
90°-150°	2155.4	27.7
90°-180°	2944.0	37.8
0°-180°	7781.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2020	2020	2020	2020	2020	
5°	2003	2028	2004	2002	2016	190
15°	1904	1921	1904	1893	1893	536
25°	1713	1719	1692	1669	1662	789
35°	1471	1457	1416	1374	1366	916
45°	1182	1164	1115	1061	1046	912
55°	887	863	808	756	742	793
65°	588	567	518	472	458	583
75°	304	287	252	227	222	324
85°	69	63	60	60	60	82
90°	0	0	0	1	0	4
95°	42	8	10	10	10	52
105°	211	214	217	16	16	223
115°	396	399	400	406	408	391
125°	563	567	565	572	575	503
135°	708	711	705	711	715	545
145°	823	828	818	823	828	515
155°	912	919	907	909	915	421
165°	972	977	967	964	971	274
175°	1000	1005	992	986	989	95
180°	998	998	998	998	998	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2020.3	2020.3	2020.3	2020.3	2020.3
2.5°	2009.9	2030.1	2012.2	2014.6	2019.1
5°	2003.0	2028.3	2004.5	2001.9	2016.0
7.5°	1987.6	2010.6	1985.8	1980.1	1992.7
10°	1971.5	1996.7	1968.6	1961.6	1968.6
12.5°	1942.8	1969.2	1946.8	1935.2	1941.1
15°	1904.0	1920.9	1904.0	1892.6	1892.6
17.5°	1856.7	1874.4	1842.6	1834.5	1831.4
20°	1822.3	1837.7	1803.6	1792.0	1787.8
22.5°	1776.3	1790.7	1762.3	1742.6	1737.3
25°	1713.2	1718.8	1691.7	1668.6	1661.6
27.5°	1649.8	1651.2	1613.9	1585.9	1576.6
30°	1597.0	1598.4	1555.4	1525.1	1518.1
32.5°	1544.2	1540.0	1499.1	1463.1	1458.4
35°	1470.7	1456.7	1416.2	1374.4	1366.0
37.5°	1382.0	1373.6	1325.8	1283.9	1271.3
40°	1325.8	1311.8	1262.7	1220.8	1208.1
42.5°	1269.6	1253.3	1203.0	1156.5	1142.7
45°	1182.3	1164.1	1114.9	1061.4	1046.0
47.5°	1094.5	1074.6	1020.5	968.7	951.6
50°	1036.0	1014.9	958.5	907.8	889.6
52.5°	976.3	954.1	897.6	845.9	831.1
55°	886.7	862.9	807.8	755.8	741.8
57.5°	797.2	773.6	718.9	669.7	652.9
60°	737.5	715.1	661.5	612.3	595.5
62.5°	676.7	655.3	602.9	554.9	539.2
65°	588.3	567.2	518.0	471.7	457.7
67.5°	500.8	482.8	434.2	391.7	380.5
70°	443.4	426.5	380.2	341.2	330.0
72.5°	388.3	370.3	326.3	293.1	285.2
75°	304.2	287.4	252.5	226.6	222.4
77.5°	227.3	213.5	183.4	168.7	166.4
80°	177.9	165.3	142.0	132.0	132.0
82.5°	132.0	121.6	106.5	102.2	102.2
85°	68.9	63.3	60.3	60.3	60.3
87.5°	20.7	20.7	19.5	18.5	18.4
90°	0.0	0.0	0.0	0.7	0.0
92.5°	11.4	4.4	3.6	4.4	4.2
95°	42.1	7.6	9.8	10.5	10.5
97.5°	84.8	83.2	11.4	13.7	13.8
100°	117.3	121.0	12.0	14.3	15.0
102.5°	153.4	156.5	22.3	14.9	15.6
105°	211.3	214.2	217.3	15.8	16.5
107.5°	268.9	271.1	273.1	245.8	92.0
110°	306.8	309.0	309.8	317.3	318.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	342.2	345.0	346.4	352.8	355.5
115°	396.2	399.2	400.0	406.0	408.2
117.5°	447.5	450.6	452.0	456.9	460.4
120°	481.2	484.9	485.7	491.8	494.7
122.5°	514.3	518.5	518.2	523.7	527.8
125°	563.1	566.8	565.4	571.5	575.2
127.5°	609.6	611.8	608.7	616.1	619.2
130°	639.1	641.3	637.6	644.4	648.1
132.5°	666.1	669.5	665.2	671.5	675.2
135°	707.5	711.2	705.2	710.6	715.0
137.5°	744.3	748.7	741.6	747.9	751.7
140°	768.4	772.8	763.9	770.7	775.1
142.5°	790.6	796.2	785.5	791.8	796.8
145°	823.3	828.4	818.0	823.4	827.8
147.5°	854.2	858.6	848.7	852.5	855.6
150°	872.9	877.3	866.1	870.0	873.6
152.5°	887.9	894.1	883.0	885.6	891.1
155°	912.0	919.3	906.7	909.1	915.0
157.5°	934.1	940.7	928.1	930.1	935.3
160°	947.3	953.9	941.3	942.2	947.3
162.5°	957.5	963.6	952.7	951.2	957.5
165°	972.1	977.3	966.9	964.0	970.6
167.5°	984.3	990.2	977.4	975.0	982.5
170°	990.9	996.8	983.4	979.8	987.9
172.5°	995.1	1000.4	987.6	982.8	989.1
175°	999.9	1005.1	991.7	986.5	989.4
177.5°	1001.3	1005.4	994.7	990.0	997.1
180°	997.7	997.7	997.7	997.7	997.7



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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	16.67	17.64	17.52	18.50	19.59	15.59	16.56	16.44	17.43	18.51
	3H	18.34	19.21	19.20	20.09	21.20	17.01	17.88	17.87	18.76	19.87
	4H	18.98	19.80	19.86	20.68	21.81	17.53	18.35	18.41	19.24	20.36
	6H	19.37	20.12	20.26	21.02	22.15	17.86	18.61	18.75	19.50	20.64
	8H	19.51	20.23	20.41	21.14	22.27	17.98	18.70	18.88	19.61	20.75
	12H	19.58	20.27	20.48	21.17	22.33	18.06	18.75	18.96	19.65	20.81
4H	2H	17.09	17.91	17.97	18.79	19.92	16.23	17.05	17.11	17.93	19.06
	3H	18.99	19.67	19.88	20.59	21.73	17.86	18.54	18.75	19.46	20.60
	4H	19.74	20.36	20.65	21.28	22.44	18.47	19.09	19.37	20.00	21.17
	6H	20.25	20.79	21.17	21.72	22.89	18.89	19.43	19.81	20.36	21.53
	8H	20.44	20.95	21.36	21.88	23.06	19.06	19.56	19.98	20.49	21.67
	12H	20.55	21.00	21.49	21.95	23.13	19.17	19.62	20.11	20.57	21.76
8H	4H	19.88	20.38	20.80	21.31	22.49	18.74	19.24	19.66	20.17	21.35
	6H	20.50	20.92	21.45	21.89	23.07	19.27	19.69	20.22	20.66	21.84
	8H	20.78	21.15	21.74	22.11	23.31	19.53	19.89	20.48	20.86	22.05
	12H	20.95	21.27	21.91	22.23	23.47	19.71	20.03	20.67	20.99	22.23
12H	4H	19.86	20.31	20.80	21.26	22.44	18.75	19.20	19.69	20.15	21.33
	6H	20.52	20.89	21.48	21.85	23.05	19.33	19.70	20.29	20.66	21.86
	8H	20.82	21.15	21.79	22.10	23.35	19.62	19.94	20.58	20.90	22.14