

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: P1439213

Luminaire Tested: CB3-055U-120D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439213
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: CB3-055U-120D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

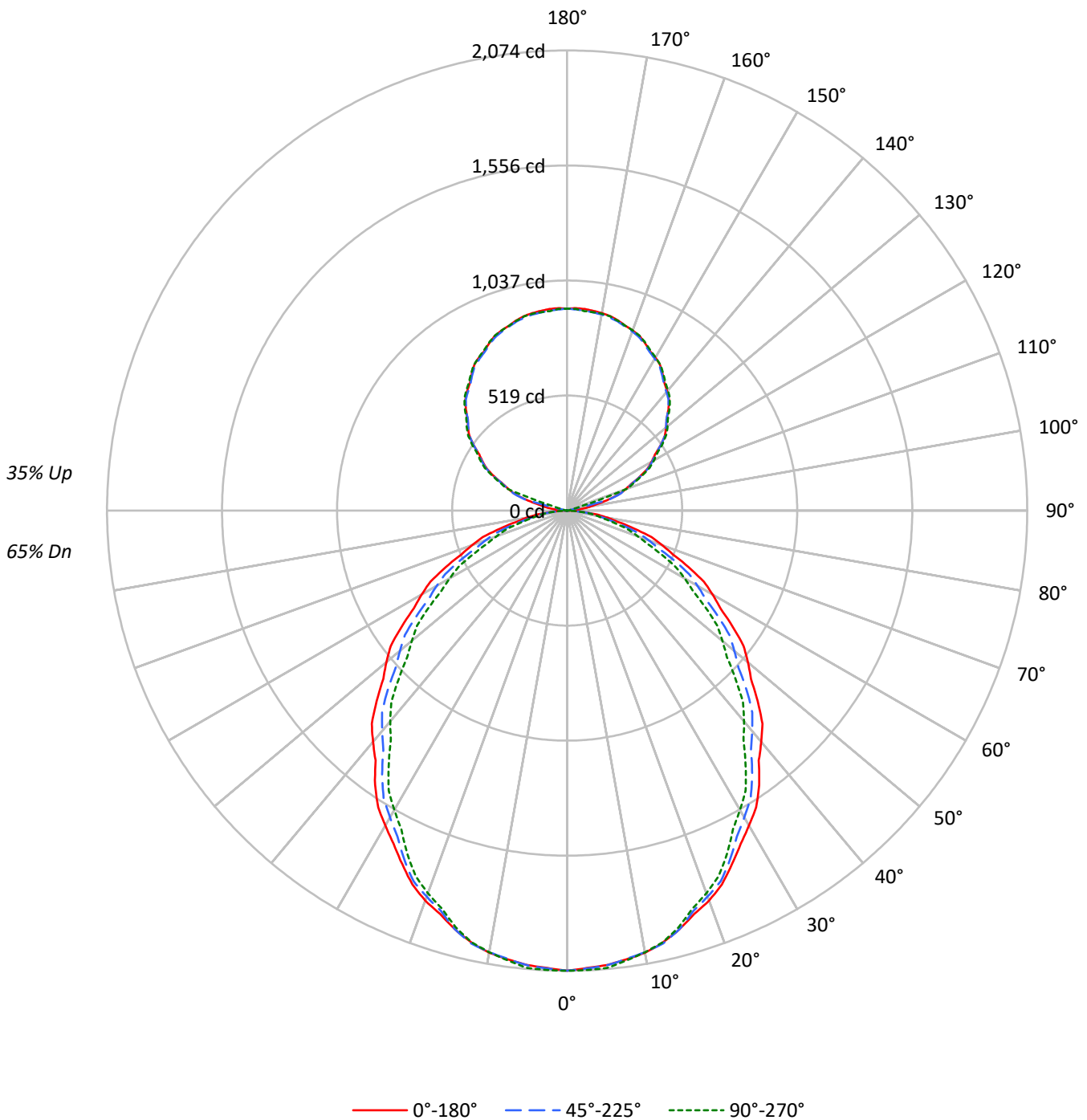
Lumens per Lamp: N/A
Luminaire Lumens: 7650.8 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 54.1
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	93	85	79	74	87	80	75	70	71	67	63	63	59	57	55	53	50	47
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	33	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	40	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	26	23	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23465	23465	23465
5°	23354	23371	23505
10°	23252	23218	23218
15°	22896	22896	22757
20°	22525	22293	22098
25°	21956	21680	21294
30°	21419	20861	20360
35°	20854	20081	19369
40°	20102	19145	18318
45°	19421	18313	17182
50°	18720	17319	16074
55°	17957	16359	15022
60°	17133	15365	13833
65°	16168	14235	12580
70°	15055	12912	11208
75°	13653	11331	9980
80°	11898	9500	8829
85°	9178	8036	8036

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19421 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.7	2.6
10°-20°	549.7	7.2
20°-30°	798.7	10.4
30°-40°	908.1	11.9
40°-50°	881.5	11.5
50°-60°	744.3	9.7
60°-70°	529.5	6.9
70°-80°	282.9	3.7
80°-90°	74.8	1.0
90°-100°	21.0	0.3
100°-110°	152.2	2.0
110°-120°	361.8	4.7
120°-130°	462.2	6.0
130°-140°	498.6	6.5
140°-150°	470.0	6.1
150°-160°	383.4	5.0
160°-170°	249.8	3.3
170°-180°	86.4	1.1
0°-30°	1544.1	20.2
0°-40°	2452.2	32.1
0°-60°	4078.0	53.3
0°-90°	4965.3	64.9
90°-120°	535.0	7.0
90°-150°	1965.9	25.7
90°-180°	2685.0	35.1
0°-180°	7650.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2074	2074	2074	2074	2074	
5°	2056	2082	2058	2055	2070	195
15°	1955	1972	1955	1943	1943	551
25°	1759	1764	1737	1713	1706	810
35°	1510	1495	1454	1411	1402	941
45°	1214	1195	1144	1090	1074	936
55°	910	886	829	776	762	814
65°	604	582	532	484	470	598
75°	312	295	259	233	228	333
85°	71	65	62	62	62	84
90°	0	0	0	1	0	4
95°	38	7	9	10	10	47
105°	193	195	198	14	15	203
115°	361	364	365	370	372	356
125°	514	517	516	521	525	458
135°	645	649	643	648	652	497
145°	751	756	746	751	755	470
155°	832	838	827	829	834	384
165°	887	891	882	879	885	250
175°	912	917	904	900	902	87
180°	910	910	910	910	910	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2073.9	2073.9	2073.9	2073.9	2073.9
2.5°	2063.3	2084.1	2065.7	2068.1	2072.7
5°	2056.2	2082.2	2057.7	2055.1	2069.5
7.5°	2040.3	2064.0	2038.6	2032.7	2045.6
10°	2023.8	2049.8	2020.9	2013.7	2020.9
12.5°	1994.4	2021.5	1998.5	1986.6	1992.6
15°	1954.6	1971.9	1954.6	1942.8	1942.8
17.5°	1906.0	1924.2	1891.6	1883.3	1880.1
20°	1870.7	1886.5	1851.5	1839.6	1835.3
22.5°	1823.5	1838.2	1809.1	1788.9	1783.5
25°	1758.7	1764.5	1736.6	1712.9	1705.7
27.5°	1693.6	1695.0	1656.8	1628.0	1618.5
30°	1639.4	1640.8	1596.7	1565.6	1558.4
32.5°	1585.2	1580.9	1538.9	1502.0	1497.1
35°	1509.8	1495.4	1453.8	1410.9	1402.3
37.5°	1418.8	1410.1	1361.0	1318.0	1305.0
40°	1361.0	1346.6	1296.2	1253.2	1240.2
42.5°	1303.3	1286.6	1234.9	1187.2	1173.1
45°	1213.7	1195.0	1144.5	1089.6	1073.8
47.5°	1123.6	1103.1	1047.6	994.4	976.9
50°	1063.5	1041.9	983.9	932.0	913.2
52.5°	1002.2	979.4	921.5	868.4	853.1
55°	910.3	885.8	829.3	775.9	761.5
57.5°	818.4	794.2	738.0	687.5	670.2
60°	757.1	734.1	679.0	628.6	611.3
62.5°	694.6	672.8	618.9	569.7	553.5
65°	603.9	582.3	531.7	484.3	469.9
67.5°	514.1	495.6	445.7	402.1	390.6
70°	455.1	437.9	390.3	350.3	338.8
72.5°	398.6	380.1	335.0	300.9	292.8
75°	312.3	295.0	259.2	232.6	228.3
77.5°	233.3	219.2	188.2	173.2	170.9
80°	182.6	169.7	145.8	135.5	135.5
82.5°	135.5	124.9	109.3	104.9	104.9
85°	70.7	64.9	61.9	61.9	61.9
87.5°	21.2	21.2	20.0	19.0	18.9
90°	0.0	0.0	0.0	0.7	0.0
92.5°	10.4	4.0	3.3	4.0	3.8
95°	38.4	6.9	8.9	9.6	9.6
97.5°	77.3	75.9	10.4	12.5	12.6
100°	107.0	110.3	11.0	13.0	13.7
102.5°	139.9	142.7	20.3	13.6	14.3
105°	192.7	195.4	198.2	14.4	15.1
107.5°	245.2	247.2	249.1	224.2	83.9
110°	279.8	281.8	282.5	289.4	290.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	312.1	314.7	316.0	321.8	324.2
115°	361.4	364.1	364.8	370.3	372.3
117.5°	408.1	411.0	412.3	416.7	419.9
120°	438.9	442.2	443.0	448.5	451.2
122.5°	469.0	472.9	472.6	477.6	481.4
125°	513.6	517.0	515.7	521.2	524.6
127.5°	556.0	558.0	555.2	561.9	564.8
130°	582.9	584.9	581.5	587.7	591.1
132.5°	607.5	610.6	606.7	612.4	615.8
135°	645.3	648.6	643.2	648.1	652.1
137.5°	678.9	682.9	676.4	682.1	685.6
140°	700.8	704.8	696.7	703.0	707.0
142.5°	721.1	726.2	716.4	722.2	726.7
145°	750.9	755.6	746.1	751.0	755.0
147.5°	779.1	783.1	774.0	777.5	780.3
150°	796.1	800.1	789.9	793.5	796.8
152.5°	809.8	815.5	805.3	807.8	812.7
155°	831.8	838.5	827.0	829.2	834.5
157.5°	851.9	858.0	846.5	848.3	853.0
160°	864.0	870.0	858.5	859.3	864.0
162.5°	873.3	878.8	868.9	867.6	873.3
165°	886.6	891.3	881.8	879.2	885.3
167.5°	897.7	903.1	891.4	889.3	896.1
170°	903.8	909.1	896.9	893.7	901.0
172.5°	907.6	912.4	900.8	896.4	902.1
175°	912.0	916.7	904.5	899.7	902.4
177.5°	913.2	917.0	907.2	903.0	909.4
180°	910.0	910.0	910.0	910.0	910.0



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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	19.39	20.39	20.21	21.23	22.27	18.31	19.31	19.13	20.15	21.19
	3H	21.07	21.96	21.90	22.81	23.88	19.73	20.63	20.57	21.48	22.55
	4H	21.70	22.55	22.55	23.41	24.49	20.26	21.10	21.11	21.96	23.04
	6H	22.09	22.87	22.96	23.74	24.83	20.58	21.36	21.45	22.23	23.32
	8H	22.24	22.98	23.11	23.86	24.95	20.71	21.45	21.58	22.33	23.43
	12H	22.31	23.01	23.18	23.89	25.01	20.79	21.50	21.67	22.37	23.49
4H	2H	19.81	20.66	20.67	21.52	22.60	18.95	19.80	19.81	20.66	21.74
	3H	21.72	22.42	22.58	23.31	24.41	20.59	21.29	21.45	22.18	23.28
	4H	22.47	23.11	23.35	24.00	25.12	21.20	21.84	22.08	22.73	23.85
	6H	22.98	23.53	23.87	24.44	25.57	21.62	22.17	22.51	23.08	24.21
	8H	23.17	23.69	24.07	24.60	25.74	21.79	22.31	22.69	23.21	24.35
	12H	23.28	23.74	24.19	24.67	25.81	21.90	22.37	22.82	23.29	24.44
8H	4H	22.61	23.13	23.51	24.03	25.17	21.47	21.99	22.37	22.89	24.03
	6H	23.23	23.66	24.16	24.61	25.75	22.00	22.43	22.93	23.38	24.52
	8H	23.51	23.89	24.44	24.83	25.99	22.26	22.64	23.19	23.58	24.73
	12H	23.68	24.01	24.62	24.95	26.15	22.44	22.77	23.38	23.71	24.91
12H	4H	22.59	23.05	23.51	23.98	25.12	21.48	21.94	22.39	22.87	24.01
	6H	23.25	23.63	24.18	24.57	25.73	22.06	22.44	23.00	23.38	24.54
	8H	23.56	23.89	24.49	24.82	26.03	22.35	22.68	23.29	23.62	24.82