

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: P1438685

Luminaire Tested: CB2-055U-120D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438685
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-835-1D-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

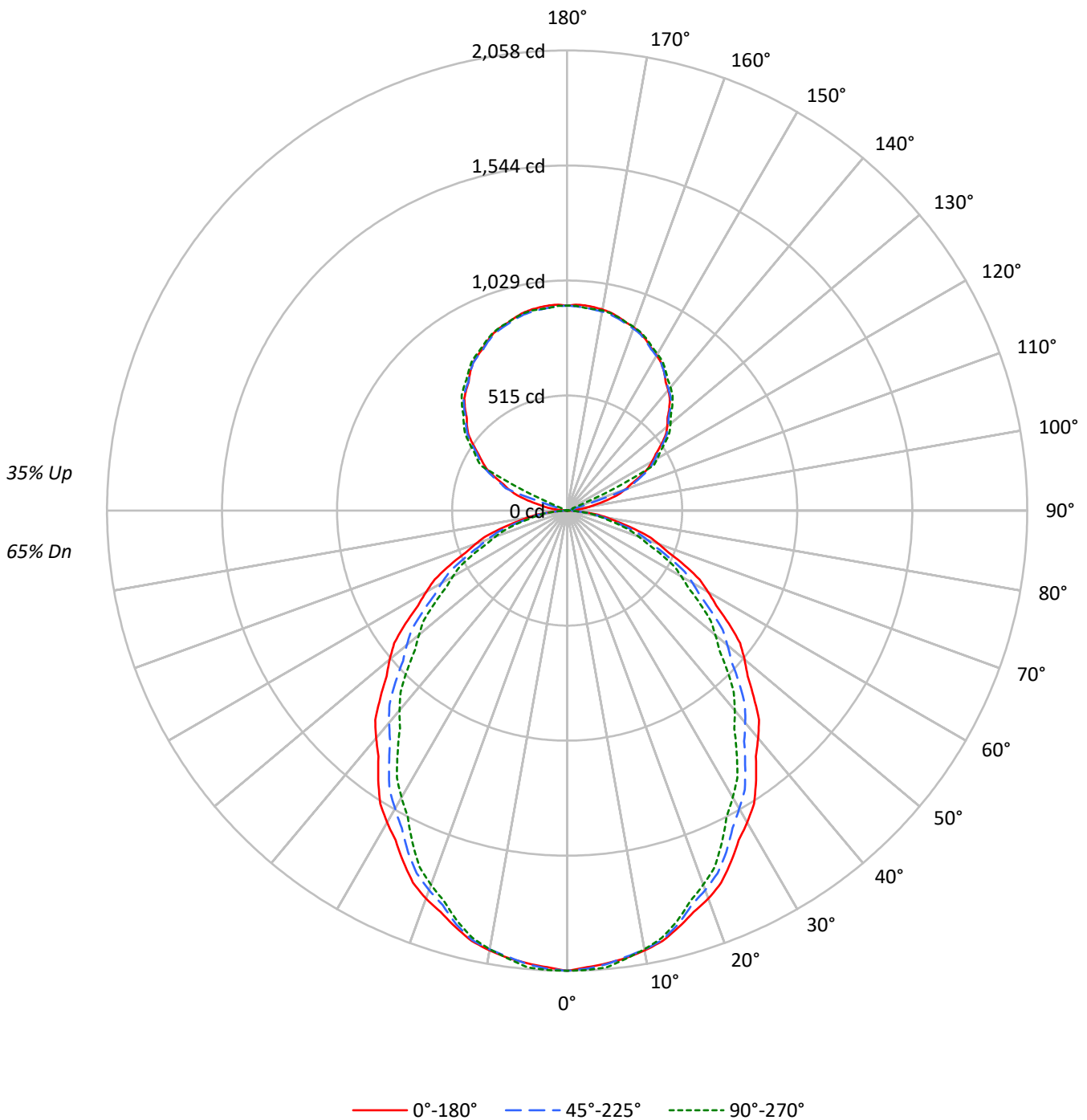
Lumens per Lamp: N/A
Luminaire Lumens: 7412.5 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Direct

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°	35845	35845	35845
5°	35541	35597	35844
10°	35338	35255	35227
15°	34780	34552	34268
20°	34233	33473	33006
25°	33312	32373	31465
30°	32390	30964	29792
35°	31328	29519	28111
40°	30203	28162	26513
45°	29073	26743	24959
50°	28053	25362	23441
55°	26798	23926	22012
60°	25360	22562	20584
65°	23833	21043	19160
70°	22147	19341	17335
75°	20148	17497	15693
80°	18014	15336	14223
85°	13849	12590	10392

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29073 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.5	2.6
10°-20°	539.5	7.3
20°-30°	775.7	10.5
30°-40°	871.9	11.8
40°-50°	842.2	11.4
50°-60°	711.6	9.6
60°-70°	511.1	6.9
70°-80°	279.4	3.8
80°-90°	74.2	1.0
90°-100°	16.0	0.2
100°-110°	101.7	1.4
110°-120°	323.0	4.4
120°-130°	468.7	6.3
130°-140°	504.1	6.8
140°-150°	474.6	6.4
150°-160°	386.6	5.2
160°-170°	251.7	3.4
170°-180°	87.0	1.2
0°-30°	1508.7	20.4
0°-40°	2380.6	32.1
0°-60°	3934.4	53.1
0°-90°	4799.1	64.7
90°-120°	440.6	5.9
90°-150°	1888.1	25.5
90°-180°	2613.0	35.3
0°-180°	7412.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2058	2058	2058	2058	2058	
5°	2033	2060	2036	2036	2050	193
15°	1929	1946	1916	1897	1900	544
25°	1733	1735	1684	1646	1637	798
35°	1473	1456	1388	1334	1322	920
45°	1180	1156	1086	1029	1013	912
55°	882	850	788	739	725	789
65°	578	557	511	474	465	573
75°	299	281	260	239	233	320
85°	69	65	63	55	52	83
90°	0	0	0	1	1	4
95°	36	10	11	7	7	46
105°	191	198	20	23	24	201
115°	361	369	372	377	216	355
125°	513	522	522	531	538	459
135°	646	653	652	656	665	498
145°	756	761	756	757	767	472
155°	839	844	835	833	845	387
165°	895	897	888	884	893	253
175°	921	923	911	905	910	88
180°	916	916	916	916	916	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2058.0	2058.0	2058.0	2058.0	2058.0
2.5°	2044.1	2068.8	2050.5	2053.1	2056.8
5°	2032.8	2060.5	2036.0	2036.3	2050.1
7.5°	2018.3	2044.5	2013.6	2007.9	2020.8
10°	1998.1	2024.3	1993.4	1982.6	1991.8
12.5°	1971.7	1996.6	1966.9	1949.8	1957.8
15°	1928.8	1945.7	1916.2	1897.4	1900.4
17.5°	1882.2	1892.6	1850.0	1834.2	1831.1
20°	1846.9	1856.1	1805.9	1783.8	1780.7
22.5°	1801.5	1809.5	1756.7	1729.5	1725.2
25°	1733.4	1734.9	1684.5	1646.5	1637.3
27.5°	1662.2	1657.2	1601.3	1556.3	1544.3
30°	1610.5	1604.3	1539.6	1492.1	1481.3
32.5°	1555.0	1543.9	1479.1	1427.8	1417.0
35°	1473.4	1456.4	1388.3	1334.4	1322.1
37.5°	1386.4	1367.3	1300.4	1241.7	1227.9
40°	1328.4	1306.8	1238.6	1180.0	1166.1
42.5°	1270.4	1246.4	1176.8	1118.2	1103.1
45°	1180.3	1155.6	1085.7	1028.7	1013.3
47.5°	1094.6	1063.1	995.3	938.5	923.1
50°	1035.3	1001.4	936.0	880.5	865.1
52.5°	974.8	939.7	876.8	823.8	808.4
55°	882.5	850.1	787.9	738.7	724.9
57.5°	791.1	759.9	703.1	656.2	642.6
60°	728.0	701.8	647.7	603.3	590.9
62.5°	667.5	643.8	592.2	551.6	539.2
65°	578.3	556.8	510.6	474.1	464.9
67.5°	491.7	470.1	432.7	400.0	389.5
70°	434.9	413.4	379.8	349.6	340.4
72.5°	380.7	357.9	330.6	303.0	296.3
75°	299.4	280.9	260.0	239.4	233.2
77.5°	227.5	209.7	194.5	179.9	178.4
80°	179.6	164.2	152.9	143.4	141.8
82.5°	134.3	122.5	115.0	108.1	107.8
85°	69.3	64.7	63.0	55.1	52.0
87.5°	20.2	20.2	17.6	15.3	15.3
90°	0.0	0.0	0.0	0.7	0.7
92.5°	10.1	3.9	2.7	3.8	3.8
95°	36.4	10.5	11.3	7.3	6.6
97.5°	75.7	17.0	16.3	17.9	18.6
100°	105.4	34.7	17.9	20.6	21.2
102.5°	138.2	130.9	18.4	22.2	23.3
105°	190.9	198.0	19.9	23.2	24.5
107.5°	242.6	249.7	92.5	24.0	25.3
110°	277.0	284.1	292.9	24.6	25.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	309.4	318.0	324.7	54.6	26.9
115°	361.2	369.0	372.4	376.7	216.0
117.5°	406.9	416.5	420.4	427.9	435.1
120°	438.7	447.8	450.6	458.1	465.9
122.5°	470.0	478.0	479.8	488.3	495.6
125°	512.9	522.0	522.2	531.0	538.1
127.5°	555.9	563.7	563.3	569.9	577.8
130°	584.5	589.7	589.8	595.3	603.7
132.5°	608.4	615.6	615.8	620.2	628.7
135°	645.5	653.3	652.1	656.3	664.7
137.5°	680.3	687.9	685.8	689.3	698.0
140°	703.1	709.6	706.5	710.0	719.7
142.5°	724.4	730.8	726.1	729.1	739.3
145°	755.5	761.3	756.2	757.0	766.8
147.5°	783.2	788.9	782.7	783.5	792.6
150°	801.2	806.4	798.6	799.4	808.5
152.5°	817.1	821.8	813.4	813.3	823.9
155°	839.0	844.2	835.0	833.3	845.0
157.5°	858.9	863.7	854.5	853.3	862.3
160°	872.1	875.4	866.2	864.4	873.5
162.5°	881.2	884.9	875.7	872.9	881.9
165°	894.7	897.3	888.0	884.3	893.3
167.5°	906.3	909.3	897.5	894.1	903.8
170°	913.2	915.2	903.3	898.9	908.6
172.5°	917.5	918.9	907.0	902.0	908.6
175°	921.2	923.1	911.2	905.4	909.9
177.5°	921.8	922.9	913.9	908.8	916.5
180°	916.5	916.5	916.5	916.5	916.5



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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	20.70	21.70	21.52	22.54	23.58	19.60	20.60	20.42	21.44	22.48
	3H	22.36	23.25	23.19	24.10	25.17	21.14	22.03	21.97	22.88	23.96
	4H	22.99	23.83	23.84	24.69	25.78	21.72	22.56	22.57	23.42	24.50
	6H	23.40	24.18	24.26	25.04	26.14	22.10	22.87	22.96	23.74	24.84
	8H	23.55	24.29	24.42	25.18	26.27	22.24	22.98	23.11	23.87	24.96
	12H	23.63	24.33	24.51	25.21	26.34	22.31	23.01	23.19	23.89	25.01
4H	2H	21.13	21.97	21.98	22.83	23.91	20.25	21.09	21.11	21.95	23.04
	3H	23.01	23.71	23.87	24.60	25.70	22.00	22.70	22.87	23.59	24.69
	4H	23.76	24.40	24.64	25.29	26.41	22.68	23.32	23.56	24.21	25.33
	6H	24.29	24.84	25.18	25.75	26.88	23.16	23.71	24.06	24.63	25.75
	8H	24.49	25.01	25.39	25.92	27.06	23.35	23.87	24.25	24.78	25.92
	12H	24.61	25.07	25.52	26.00	27.14	23.45	23.91	24.36	24.84	25.99
8H	4H	23.93	24.44	24.82	25.35	26.49	22.96	23.48	23.86	24.39	25.53
	6H	24.57	25.00	25.50	25.95	27.09	23.57	24.00	24.50	24.95	26.09
	8H	24.86	25.24	25.80	26.18	27.34	23.85	24.23	24.78	25.17	26.33
	12H	25.04	25.38	25.98	26.31	27.52	24.00	24.34	24.94	25.27	26.48
12H	4H	23.91	24.38	24.83	25.30	26.45	22.97	23.44	23.89	24.36	25.51
	6H	24.60	24.98	25.54	25.92	27.08	23.63	24.01	24.57	24.95	26.11
	8H	24.93	25.26	25.86	26.19	27.40	23.95	24.28	24.89	25.21	26.42