

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: P1438661

Luminaire Tested: CB2-055U-055D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438661
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-055D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

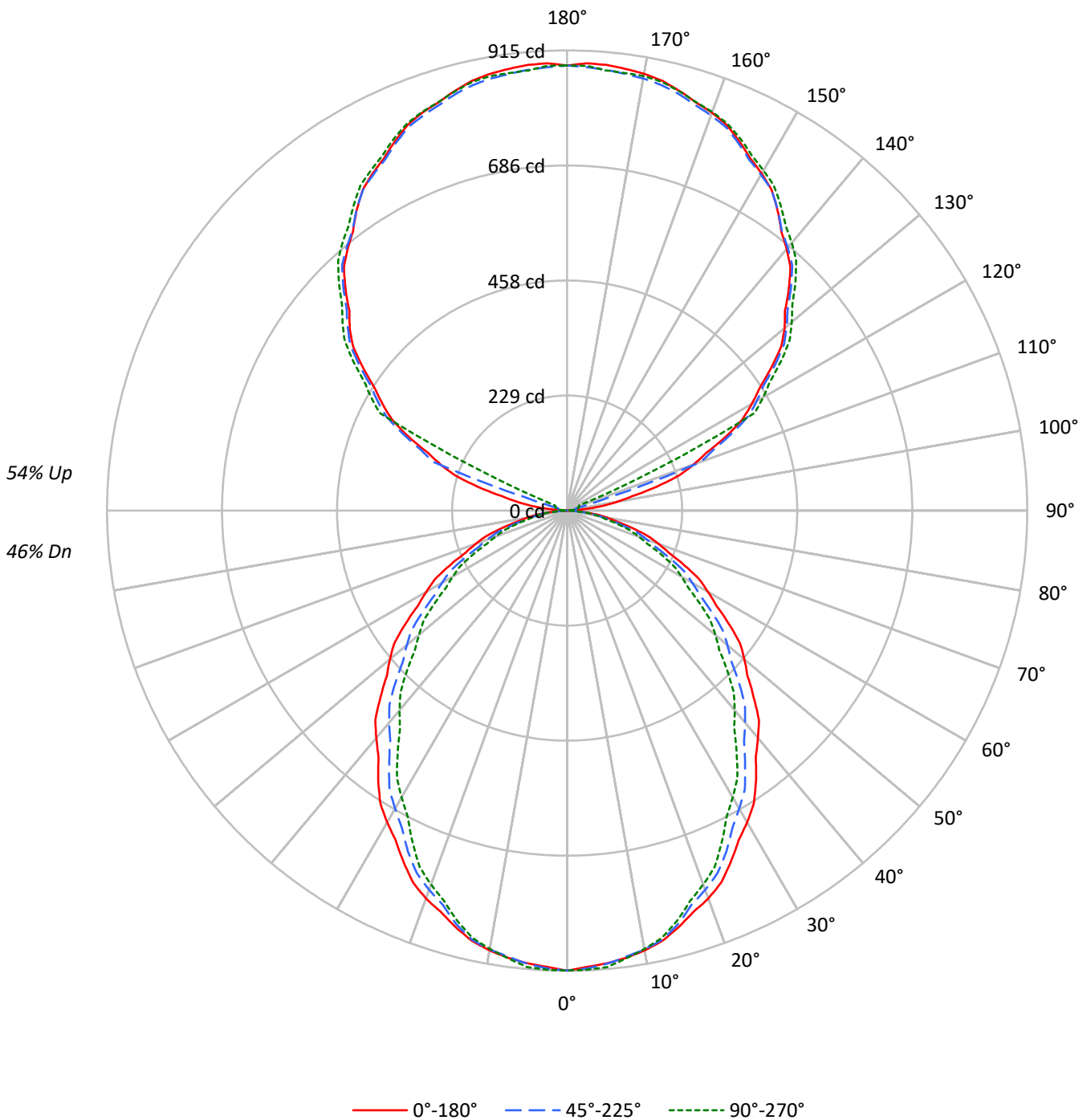
Lumens per Lamp: N/A
Luminaire Lumens: 4656.4 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 34.6
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

TEST NUMBER: P1438661

CATALOG NUMBER: CB2-055U-055D-927-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1438661

CATALOG NUMBER: CB2-055U-055D-927-1D-UNV-STD-W-4

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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46				46
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44				39	
2	88	81	75	70	81	75	70	65	63	59	56	51	49	46	41	39	38				33	
3	81	72	64	59	74	66	60	55	55	51	47	46	42	39	37	34	32				28	
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28				24	
5	68	57	49	43	62	52	45	40	44	39	35	37	33	29	30	27	24				21	
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22				19	
7	58	46	38	33	53	42	36	31	36	31	27	30	26	23	25	22	19				17	
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17				15	
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16				14	
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14				12	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15930	15930	15930
5°	15795	15819	15930
10°	15705	15668	15656
15°	15457	15356	15230
20°	15214	14874	14667
25°	14804	14387	13983
30°	14394	13761	13240
35°	13923	13119	12494
40°	13424	12514	11782
45°	12919	11885	11092
50°	12467	11272	10419
55°	11910	10634	9781
60°	11269	10025	9148
65°	10592	9351	8515
70°	9844	8596	7705
75°	8957	7779	6972
80°	8004	6811	6319
85°	6155	5596	4616

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12919 cd/sqm



TEST NUMBER: P1438661

CATALOG NUMBER: CB2-055U-055D-927-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	1.8
10°-20°	239.8	5.1
20°-30°	344.7	7.4
30°-40°	387.5	8.3
40°-50°	374.3	8.0
50°-60°	316.2	6.8
60°-70°	227.1	4.9
70°-80°	124.2	2.7
80°-90°	33.0	0.7
90°-100°	15.4	0.3
100°-110°	98.2	2.1
110°-120°	311.9	6.7
120°-130°	452.6	9.7
130°-140°	486.8	10.5
140°-150°	458.3	9.8
150°-160°	373.4	8.0
160°-170°	243.0	5.2
170°-180°	84.0	1.8
0°-30°	670.5	14.4
0°-40°	1057.9	22.7
0°-60°	1748.5	37.5
0°-90°	2132.8	45.8
90°-120°	425.5	9.1
90°-150°	1823.2	39.2
90°-180°	2524.0	54.2
0°-180°	4656.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	903	916	905	905	911	86
15°	857	865	852	843	845	242
25°	770	771	749	732	728	355
35°	655	647	617	593	588	409
45°	524	514	482	457	450	405
55°	392	378	350	328	322	351
65°	257	247	227	211	207	255
75°	133	125	116	106	104	142
85°	31	29	28	24	23	37
90°	0	0	0	1	1	3
95°	35	10	11	7	6	45
105°	184	191	19	22	24	194
115°	349	356	360	364	209	343
125°	495	504	504	513	520	443
135°	623	631	630	634	642	481
145°	730	735	730	731	740	456
155°	810	815	806	805	816	374
165°	864	866	858	854	863	244
175°	890	891	880	874	879	85
180°	885	885	885	885	885	

TEST NUMBER: P1438661

CATALOG NUMBER: CB2-055U-055D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	914.6	914.6	914.6	914.6	914.6
2.5°	908.4	919.4	911.2	912.4	914.0
5°	903.4	915.7	904.8	904.9	911.1
7.5°	896.9	908.6	894.8	892.3	898.1
10°	888.0	899.6	885.9	881.1	885.2
12.5°	876.2	887.3	874.1	866.5	870.1
15°	857.2	864.7	851.6	843.2	844.6
17.5°	836.4	841.1	822.2	815.1	813.8
20°	820.8	824.9	802.5	792.7	791.3
22.5°	800.6	804.1	780.7	768.6	766.7
25°	770.3	771.0	748.6	731.7	727.6
27.5°	738.7	736.5	711.6	691.6	686.3
30°	715.7	713.0	684.2	663.1	658.3
32.5°	691.1	686.1	657.3	634.5	629.7
35°	654.8	647.3	617.0	593.0	587.6
37.5°	616.1	607.6	577.9	551.8	545.7
40°	590.4	580.8	550.4	524.4	518.2
42.5°	564.6	553.9	523.0	496.9	490.2
45°	524.5	513.6	482.5	457.1	450.3
47.5°	486.4	472.5	442.3	417.1	410.2
50°	460.1	445.0	416.0	391.3	384.5
52.5°	433.2	417.6	389.6	366.1	359.3
55°	392.2	377.8	350.2	328.3	322.1
57.5°	351.6	337.7	312.5	291.6	285.6
60°	323.5	311.9	287.8	268.1	262.6
62.5°	296.6	286.1	263.2	245.1	239.6
65°	257.0	247.4	226.9	210.7	206.6
67.5°	218.5	208.9	192.3	177.8	173.1
70°	193.3	183.7	168.8	155.4	151.3
72.5°	169.2	159.1	146.9	134.7	131.7
75°	133.1	124.8	115.6	106.4	103.6
77.5°	101.1	93.2	86.4	80.0	79.3
80°	79.8	73.0	67.9	63.7	63.0
82.5°	59.7	54.5	51.1	48.0	47.9
85°	30.8	28.8	28.0	24.5	23.1
87.5°	9.0	9.0	7.8	6.9	6.9
90°	0.0	0.0	0.0	0.6	0.6
92.5°	9.7	3.7	2.6	3.7	3.7
95°	35.2	10.2	10.9	7.0	6.4
97.5°	73.1	16.4	15.7	17.3	17.9
100°	101.8	33.5	17.3	19.9	20.5
102.5°	133.5	126.4	17.8	21.4	22.5
105°	184.3	191.2	19.2	22.4	23.7
107.5°	234.2	241.1	89.3	23.2	24.4
110°	267.5	274.4	282.9	23.7	25.0



TEST NUMBER: P1438661

CATALOG NUMBER: CB2-055U-055D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	298.7	307.1	313.6	52.8	26.0
115°	348.8	356.3	359.7	363.8	208.6
117.5°	392.9	402.2	406.0	413.2	420.2
120°	423.6	432.4	435.2	442.4	449.9
122.5°	453.9	461.6	463.3	471.5	478.6
125°	495.3	504.1	504.3	512.8	519.6
127.5°	536.8	544.3	544.0	550.3	557.9
130°	564.4	569.4	569.6	574.9	583.0
132.5°	587.5	594.5	594.6	598.9	607.1
135°	623.3	630.8	629.7	633.7	641.9
137.5°	657.0	664.2	662.2	665.6	674.0
140°	679.0	685.2	682.2	685.6	695.0
142.5°	699.5	705.7	701.1	704.0	713.9
145°	729.5	735.2	730.2	731.0	740.4
147.5°	756.3	761.8	755.8	756.6	765.4
150°	773.7	778.7	771.1	772.0	780.7
152.5°	789.1	793.6	785.5	785.3	795.6
155°	810.2	815.2	806.3	804.7	815.9
157.5°	829.4	834.0	825.2	823.9	832.7
160°	842.2	845.3	836.4	834.7	843.5
162.5°	850.9	854.5	845.6	842.9	851.6
165°	863.9	866.4	857.5	853.9	862.7
167.5°	875.2	878.1	866.6	863.4	872.8
170°	881.9	883.7	872.3	868.0	877.4
172.5°	885.9	887.3	875.8	871.0	877.4
175°	889.5	891.4	879.9	874.3	878.7
177.5°	890.2	891.2	882.5	877.5	885.1
180°	885.1	885.1	885.1	885.1	885.1

TEST NUMBER: P1438661

CATALOG NUMBER: CB2-055U-055D-927-1D-UNV-STD-W-4

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	16.22	17.03	17.21	18.04	19.37	15.12	15.93	16.11	16.94	18.27
	3H	17.86	18.59	18.86	19.60	20.95	16.64	17.37	17.65	18.38	19.74
	4H	18.48	19.18	19.50	20.19	21.55	17.21	17.90	18.23	18.92	20.28
	6H	18.88	19.52	19.91	20.54	21.91	17.58	18.22	18.61	19.24	20.61
	8H	19.03	19.64	20.07	20.67	22.04	17.72	18.33	18.75	19.36	20.73
	12H	19.10	19.68	20.14	20.71	22.10	17.78	18.36	18.82	19.39	20.78
4H	2H	16.62	17.31	17.64	18.33	19.69	15.75	16.44	16.77	17.45	18.81
	3H	18.49	19.06	19.52	20.11	21.48	17.48	18.05	18.51	19.10	20.47
	4H	19.23	19.76	20.27	20.79	22.19	18.15	18.68	19.19	19.71	21.11
	6H	19.75	20.20	20.80	21.26	22.65	18.62	19.07	19.67	20.13	21.53
	8H	19.95	20.37	21.00	21.43	22.83	18.81	19.23	19.86	20.29	21.69
	12H	20.05	20.44	21.12	21.50	22.92	18.90	19.28	19.96	20.34	21.76
8H	4H	19.38	19.80	20.43	20.86	22.26	18.42	18.84	19.47	19.89	21.30
	6H	20.02	20.37	21.10	21.47	22.87	19.02	19.37	20.09	20.46	21.87
	8H	20.31	20.62	21.39	21.70	23.12	19.29	19.60	20.38	20.68	22.10
	12H	20.48	20.75	21.57	21.83	23.29	19.44	19.71	20.53	20.79	22.25
12H	4H	19.36	19.74	20.43	20.81	22.22	18.42	18.80	19.49	19.87	21.28
	6H	20.05	20.36	21.13	21.44	22.86	19.08	19.39	20.16	20.47	21.89
	8H	20.37	20.63	21.45	21.71	23.17	19.39	19.66	20.47	20.73	22.19