

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: P1439533

Luminaire Tested: CB3-D-055U-030D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439533
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-055U-030D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

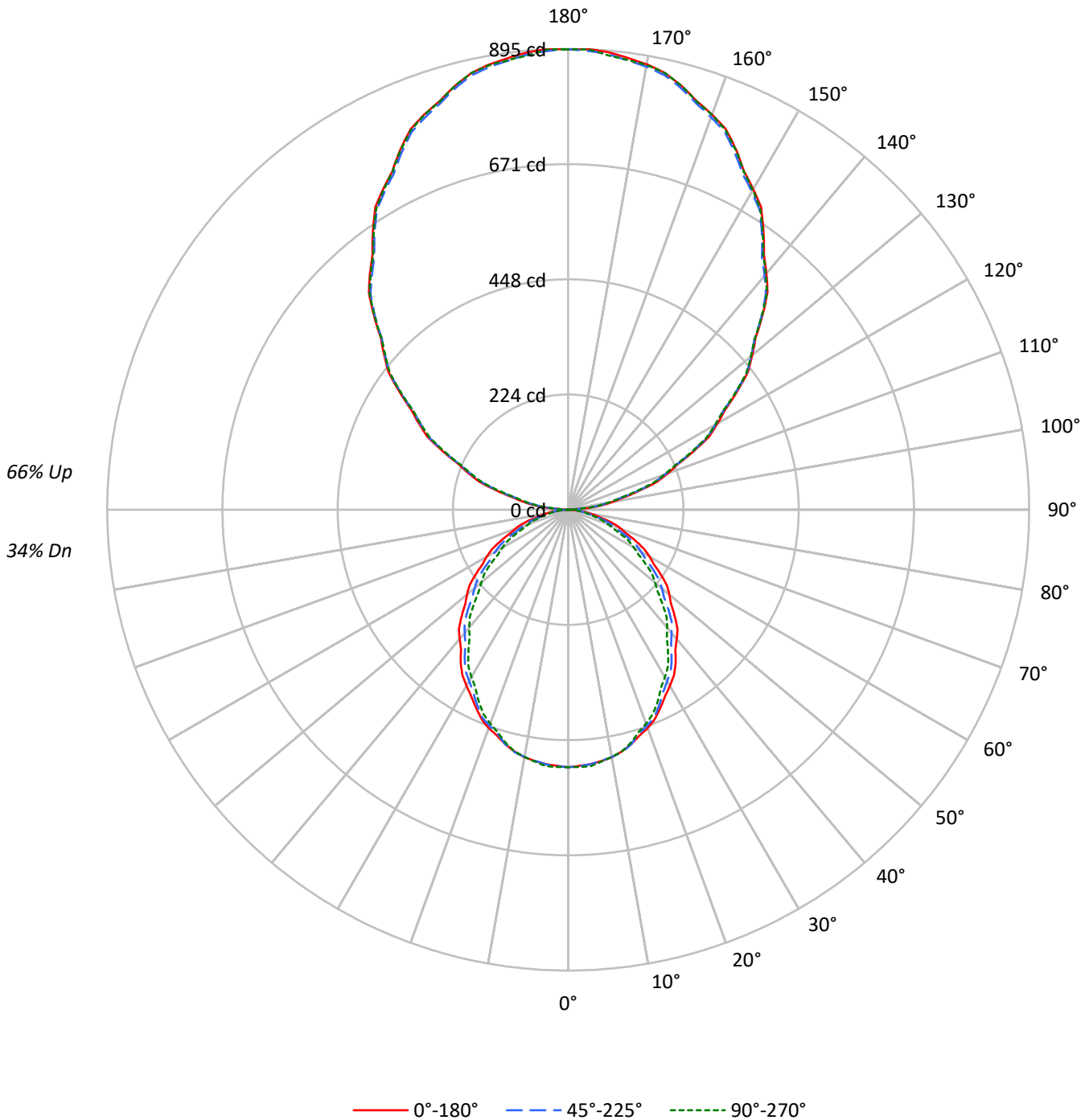
Lumens per Lamp: N/A
Luminaire Lumens: 3501.3 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 24.5
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: P1439533

CATALOG NUMBER: CB3-D-055U-030D-935-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439533

CATALOG NUMBER: CB3-D-055U-030D-935-1D-UNV-STD-W-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	50	30	10	0														
RCR																																						
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34																				
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35	29																				
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30	25																				
3	78	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26	21																				
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18																				
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	23	21	19	16																				
6	61	49	41	35	55	45	38	33	36	31	27	29	25	22	21	19	17	14																				
7	56	44	36	31	50	40	33	29	33	28	24	26	22	20	19	17	15	12																				
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14	11																				
9	48	36	29	24	44	33	27	23	27	22	19	22	18	16	16	14	12	10																				
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5661	5661	5661
5°	5633	5638	5678
10°	5609	5601	5601
15°	5524	5524	5490
20°	5434	5379	5323
25°	5290	5223	5130
30°	5159	5026	4905
35°	5024	4837	4666
40°	4843	4613	4413
45°	4679	4412	4140
50°	4510	4172	3873
55°	4326	3941	3620
60°	4128	3702	3333
65°	3895	3430	3031
70°	3626	3110	2699
75°	3287	2732	2404
80°	2867	2287	2124
85°	2207	1934	1934

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4679 cd/sqm



TEST NUMBER: P1439533

CATALOG NUMBER: CB3-D-055U-030D-935-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	1.3
10°-20°	132.6	3.8
20°-30°	192.5	5.5
30°-40°	218.8	6.2
40°-50°	212.4	6.1
50°-60°	179.3	5.1
60°-70°	127.6	3.6
70°-80°	68.2	1.9
80°-90°	18.0	0.5
90°-100°	37.8	1.1
100°-110°	147.8	4.2
110°-120°	263.5	7.5
120°-130°	356.6	10.2
130°-140°	410.0	11.7
140°-150°	411.4	11.7
150°-160°	353.8	10.1
160°-170°	239.5	6.8
170°-180°	84.5	2.4
0°-30°	372.3	10.6
0°-40°	591.1	16.9
0°-60°	982.8	28.1
0°-90°	1196.5	34.2
90°-120°	449.1	12.8
90°-150°	1627.1	46.5
90°-180°	2305.0	65.8
0°-180°	3501.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	500	500	500	500	500	
5°	496	502	496	496	500	47
15°	472	476	472	469	469	133
25°	424	425	418	413	411	195
35°	364	360	350	340	338	227
45°	292	288	276	262	259	226
55°	219	213	200	187	184	196
65°	146	140	128	117	113	144
75°	75	71	62	56	55	80
85°	17	16	15	15	15	20
90°	0	0	0	0	0	2
95°	36	33	30	27	28	41
105°	143	143	138	136	134	153
115°	269	270	264	263	263	266
125°	400	405	397	396	396	358
135°	534	539	530	526	531	411
145°	661	666	656	652	658	413
155°	771	778	765	762	770	355
165°	852	859	848	843	852	240
175°	892	900	888	883	886	85
180°	894	894	894	894	894	



TEST NUMBER: P1439533

CATALOG NUMBER: CB3-D-055U-030D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	500.3	500.3	500.3	500.3	500.3
2.5°	497.8	502.7	498.3	498.9	500.0
5°	496.0	502.3	496.4	495.8	499.9
7.5°	492.2	497.9	491.8	490.4	493.5
10°	488.2	494.5	487.5	485.8	487.5
12.5°	481.1	487.7	482.1	479.3	480.7
15°	471.6	475.7	471.6	468.7	468.7
17.5°	459.9	464.2	456.4	454.4	453.5
20°	451.3	455.2	446.7	443.8	442.1
22.5°	440.0	443.5	436.5	431.1	429.6
25°	423.7	425.1	418.4	412.6	410.9
27.5°	408.0	408.3	399.1	392.2	389.9
30°	394.9	395.3	384.7	377.2	375.4
32.5°	381.9	380.8	370.7	361.8	360.7
35°	363.7	360.2	350.2	339.9	337.8
37.5°	341.8	339.7	327.9	317.5	314.4
40°	327.9	324.4	312.3	301.9	298.8
42.5°	314.0	309.9	297.5	286.0	282.6
45°	292.4	287.9	275.7	262.5	258.7
47.5°	270.7	265.7	252.4	239.6	235.3
50°	256.2	251.0	237.0	224.5	220.0
52.5°	241.4	236.0	222.0	209.2	205.5
55°	219.3	213.4	199.8	186.9	183.5
57.5°	197.2	191.3	177.8	165.6	161.5
60°	182.4	176.8	163.6	151.4	147.3
62.5°	167.3	162.1	149.1	137.2	133.4
65°	145.5	140.3	128.1	116.7	113.2
67.5°	123.8	119.4	107.4	96.9	94.1
70°	109.6	105.5	94.0	84.4	81.6
72.5°	96.0	91.6	80.7	72.5	70.5
75°	75.2	71.1	62.5	56.0	55.0
77.5°	56.2	52.8	45.3	41.7	41.2
80°	44.0	40.9	35.1	32.6	32.6
82.5°	32.6	30.1	26.3	25.3	25.3
85°	17.0	15.6	14.9	14.9	14.9
87.5°	5.1	5.1	4.8	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.9	8.8	5.5	4.4	4.4
95°	36.3	33.0	29.5	27.4	28.1
97.5°	67.1	63.8	59.5	57.5	58.0
100°	88.5	85.8	80.9	78.9	78.9
102.5°	109.3	107.7	102.9	100.8	101.3
105°	143.3	142.6	137.8	135.7	134.4
107.5°	180.9	179.7	174.3	174.1	172.9
110°	205.0	204.4	199.5	198.8	198.2

TEST NUMBER: P1439533

CATALOG NUMBER: CB3-D-055U-030D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	229.7	230.7	225.3	224.6	224.0
115°	268.8	270.1	264.0	263.3	262.6
117.5°	308.8	310.7	304.2	303.5	302.3
120°	334.6	338.7	330.5	329.8	329.1
122.5°	361.0	364.4	356.8	355.6	355.5
125°	400.5	405.2	397.0	395.7	396.3
127.5°	440.0	444.8	437.2	434.5	436.0
130°	466.3	471.7	463.5	460.8	462.9
132.5°	493.2	498.5	490.4	487.8	490.8
135°	533.5	538.9	530.1	526.1	531.4
137.5°	572.8	577.5	567.9	565.2	570.8
140°	598.6	603.3	593.1	589.9	596.6
142.5°	623.9	629.1	617.8	614.6	621.8
145°	661.0	666.4	655.5	652.3	658.3
147.5°	696.7	702.2	691.2	687.4	693.5
150°	718.6	724.7	713.1	709.9	716.6
152.5°	740.0	746.6	734.5	730.8	739.1
155°	771.4	778.1	765.3	762.0	770.1
157.5°	799.7	805.9	794.2	790.9	797.9
160°	816.7	823.4	811.2	808.0	816.0
162.5°	831.5	838.2	827.1	822.8	830.8
165°	851.7	859.0	847.5	842.9	851.7
167.5°	868.5	876.4	864.3	860.1	868.8
170°	878.4	885.8	873.6	868.3	877.0
172.5°	885.0	892.4	880.2	874.8	880.9
175°	892.1	900.2	888.0	882.6	885.9
177.5°	895.3	901.7	892.0	887.2	894.7
180°	894.2	894.2	894.2	894.2	894.2



TEST NUMBER: P1439533
 CATALOG NUMBER: CB3-D-055U-030D-935-1D-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	11.49	12.22	12.57	13.30	14.78	10.41	11.14	11.49	12.22	13.70
	3H	13.15	13.80	14.24	14.89	16.39	11.81	12.47	12.91	13.56	15.06
	4H	13.77	14.39	14.87	15.48	16.98	12.33	12.94	13.43	14.04	15.54
	6H	14.15	14.72	15.26	15.81	17.33	12.64	13.20	13.75	14.30	15.82
	8H	14.28	14.82	15.40	15.93	17.44	12.76	13.30	13.87	14.41	15.92
	12H	14.34	14.86	15.46	15.96	17.50	12.83	13.34	13.95	14.44	15.98
4H	2H	11.88	12.50	12.99	13.59	15.10	11.02	11.64	12.13	12.73	14.24
	3H	13.76	14.27	14.88	15.39	16.91	12.63	13.14	13.75	14.26	15.78
	4H	14.50	14.97	15.62	16.08	17.62	13.23	13.70	14.35	14.81	16.35
	6H	15.00	15.40	16.12	16.53	18.06	13.63	14.04	14.76	15.17	16.70
	8H	15.18	15.56	16.31	16.69	18.23	13.80	14.18	14.93	15.30	16.85
	12H	15.28	15.62	16.42	16.75	18.30	13.90	14.24	15.05	15.38	16.93
8H	4H	14.62	15.00	15.75	16.12	17.67	13.48	13.86	14.61	14.98	16.53
	6H	15.23	15.55	16.38	16.71	18.25	14.00	14.32	15.15	15.48	17.02
	8H	15.51	15.78	16.66	16.93	18.49	14.26	14.53	15.41	15.67	17.24
	12H	15.67	15.91	16.82	17.05	18.65	14.43	14.67	15.58	15.81	17.41
12H	4H	14.59	14.93	15.73	16.07	17.62	13.48	13.82	14.62	14.95	16.51
	6H	15.25	15.52	16.40	16.67	18.23	14.06	14.33	15.21	15.48	17.04
	8H	15.54	15.78	16.70	16.92	18.52	14.34	14.58	15.49	15.72	17.32