

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: P1439539

Luminaire Tested: CB3-D-055U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439539
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-055D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

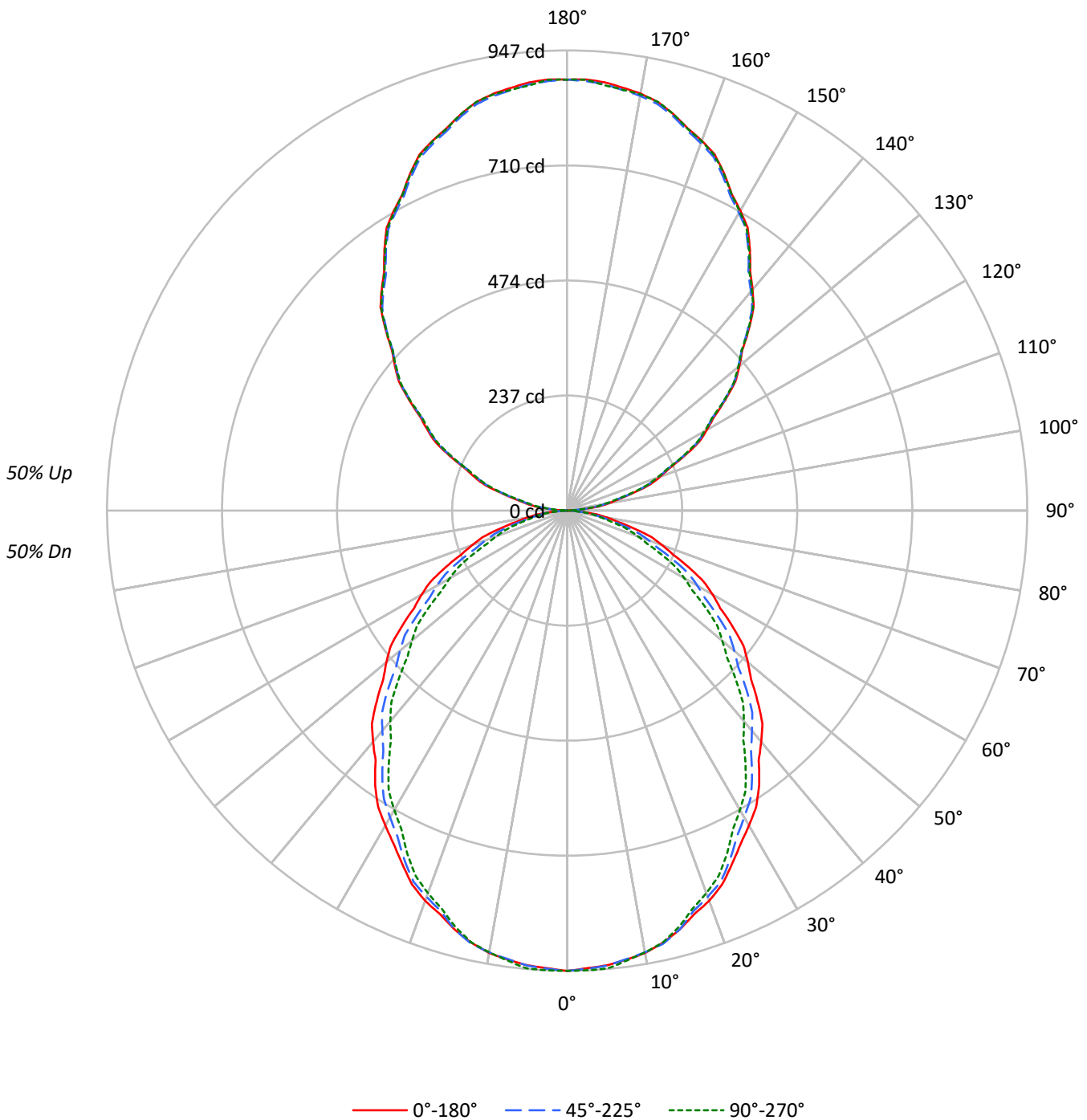
Lumens per Lamp: N/A
Luminaire Lumens: 4552.8 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 32.5
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

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Luminous Intensity Polar Plot





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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50																				
1	98	94	90	86	90	87	83	80	73	71	69	61	59	58	50	49	48	42																				
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	40	36																				
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	30																				
4	75	64	56	50	69	59	53	47	51	45	41	43	39	36	35	32	30	26																				
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	32	29	26	23																				
6	63	51	43	37	58	48	41	35	41	35	31	35	30	27	29	26	23	20																				
7	59	46	38	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18																				
8	54	42	34	29	50	39	32	28	34	28	25	29	25	21	24	21	19	16																				
9	51	38	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15																				
10	47	35	28	23	44	33	27	22	29	23	20	25	20	18	21	18	15	13																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10719	10719	10719
5°	10668	10676	10744
10°	10622	10606	10606
15°	10459	10459	10396
20°	10290	10184	10088
25°	10022	9896	9720
30°	9776	9522	9293
35°	9520	9166	8841
40°	9177	8739	8361
45°	8865	8359	7842
50°	8544	7905	7338
55°	8196	7466	6857
60°	7821	7015	6314
65°	7381	6498	5743
70°	6874	5895	5114
75°	6230	5172	4555
80°	5434	4340	4033
85°	4193	3661	3661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8865 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	2.0
10°-20°	251.1	5.5
20°-30°	364.7	8.0
30°-40°	414.5	9.1
40°-50°	402.4	8.8
50°-60°	339.7	7.5
60°-70°	241.7	5.3
70°-80°	129.1	2.8
80°-90°	34.1	0.7
90°-100°	37.5	0.8
100°-110°	146.6	3.2
110°-120°	261.4	5.7
120°-130°	353.7	7.8
130°-140°	406.6	8.9
140°-150°	408.0	9.0
150°-160°	350.9	7.7
160°-170°	237.5	5.2
170°-180°	83.8	1.8
0°-30°	705.2	15.5
0°-40°	1119.7	24.6
0°-60°	1861.8	40.9
0°-90°	2266.8	49.8
90°-120°	445.5	9.8
90°-150°	1613.8	35.4
90°-180°	2286.0	50.2
0°-180°	4552.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	939	951	940	939	946	89
15°	893	901	893	888	888	252
25°	803	805	793	782	779	370
35°	689	683	664	644	640	429
45°	554	546	522	497	490	427
55°	416	404	378	354	348	371
65°	276	266	243	221	214	273
75°	142	135	118	106	104	152
85°	32	30	28	28	28	38
90°	0	0	0	0	0	3
95°	36	33	29	27	28	41
105°	142	142	137	135	133	152
115°	267	268	262	261	260	264
125°	397	402	394	392	393	355
135°	529	534	526	522	527	408
145°	656	661	650	647	653	410
155°	765	772	759	756	764	352
165°	845	852	841	836	845	238
175°	885	893	881	875	879	84
180°	887	887	887	887	887	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	947.4	947.4	947.4	947.4	947.4
2.5°	942.5	952.0	943.6	944.7	946.8
5°	939.3	951.1	940.0	938.8	946.0
7.5°	932.0	942.8	931.2	928.5	934.4
10°	924.5	936.3	923.1	919.9	923.1
12.5°	911.0	923.4	912.9	907.5	910.2
15°	892.9	900.8	892.9	887.5	887.5
17.5°	870.7	879.0	864.1	860.3	858.7
20°	854.6	861.8	845.8	840.4	837.8
22.5°	833.1	839.8	826.5	816.7	814.1
25°	802.8	805.4	792.7	781.9	778.6
27.5°	773.1	773.7	756.3	743.1	738.8
30°	748.3	749.0	728.8	714.6	711.3
32.5°	723.6	721.6	702.5	685.6	683.4
35°	689.2	682.6	663.6	644.0	640.1
37.5°	647.6	643.7	621.3	601.6	595.7
40°	621.3	614.7	591.7	572.0	566.1
42.5°	594.9	587.3	563.7	541.9	535.5
45°	554.0	545.5	522.4	497.4	490.1
47.5°	512.9	503.5	478.2	453.9	445.9
50°	485.4	475.6	449.1	425.4	416.9
52.5°	457.5	447.1	420.6	396.4	389.4
55°	415.5	404.3	378.5	354.2	347.6
57.5°	373.6	362.5	336.8	313.8	305.9
60°	345.6	335.1	310.0	286.9	279.0
62.5°	317.1	307.1	282.5	260.0	252.7
65°	275.7	265.8	242.7	221.1	214.5
67.5°	234.7	226.2	203.5	183.6	178.3
70°	207.8	199.9	178.2	159.9	154.6
72.5°	181.9	173.5	152.9	137.3	133.7
75°	142.5	134.6	118.3	106.2	104.2
77.5°	106.5	100.1	85.9	79.0	78.0
80°	83.4	77.5	66.6	61.9	61.9
82.5°	61.9	57.0	49.9	47.9	47.9
85°	32.3	29.6	28.2	28.2	28.2
87.5°	9.7	9.7	9.1	8.6	8.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.8	8.7	5.4	4.4	4.4
95°	36.0	32.7	29.2	27.2	27.9
97.5°	66.5	63.3	59.0	57.0	57.5
100°	87.7	85.1	80.3	78.2	78.2
102.5°	108.4	106.8	102.0	100.0	100.5
105°	142.1	141.5	136.7	134.6	133.3
107.5°	179.4	178.2	172.9	172.7	171.5
110°	203.4	202.7	197.9	197.2	196.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	227.8	228.8	223.5	222.8	222.1
115°	266.6	267.9	261.8	261.2	260.5
117.5°	306.3	308.2	301.7	301.0	299.8
120°	331.9	335.9	327.8	327.1	326.5
122.5°	358.0	361.5	353.9	352.7	352.6
125°	397.2	401.8	393.8	392.4	393.1
127.5°	436.4	441.2	433.6	431.0	432.4
130°	462.5	467.8	459.8	457.1	459.1
132.5°	489.1	494.5	486.4	483.8	486.8
135°	529.1	534.5	525.7	521.8	527.1
137.5°	568.2	572.8	563.3	560.5	566.1
140°	593.7	598.4	588.3	585.1	591.7
142.5°	618.8	624.0	612.8	609.6	616.7
145°	655.6	661.0	650.2	646.9	652.9
147.5°	691.0	696.5	685.6	681.8	687.9
150°	712.8	718.8	707.3	704.1	710.7
152.5°	734.0	740.5	728.5	724.8	733.0
155°	765.1	771.8	759.0	755.8	763.8
157.5°	793.2	799.3	787.7	784.5	791.4
160°	810.0	816.7	804.6	801.4	809.3
162.5°	824.7	831.4	820.4	816.1	824.0
165°	844.7	852.0	840.6	836.1	844.7
167.5°	861.4	869.3	857.2	853.1	861.7
170°	871.2	878.6	866.5	861.2	869.9
172.5°	877.8	885.1	873.0	867.7	873.7
175°	884.8	892.8	880.8	875.4	878.7
177.5°	888.0	894.4	884.7	880.0	887.4
180°	886.9	886.9	886.9	886.9	886.9



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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	15.37	16.22	16.33	17.19	18.47	14.29	15.14	15.25	16.11	17.39
	3H	17.03	17.79	18.01	18.78	20.07	15.70	16.46	16.67	17.45	18.74
	4H	17.66	18.38	18.65	19.37	20.68	16.22	16.94	17.20	17.93	19.23
	6H	18.05	18.71	19.04	19.70	21.02	16.54	17.20	17.53	18.19	19.51
	8H	18.18	18.82	19.19	19.82	21.14	16.66	17.29	17.66	18.30	19.61
	12H	18.25	18.85	19.26	19.85	21.19	16.73	17.33	17.74	18.34	19.68
4H	2H	15.77	16.49	16.77	17.48	18.79	14.91	15.63	15.91	16.62	17.93
	3H	17.66	18.26	18.66	19.28	20.60	16.53	17.13	17.53	18.15	19.47
	4H	18.41	18.96	19.42	19.97	21.31	17.14	17.69	18.15	18.70	20.04
	6H	18.91	19.38	19.93	20.42	21.76	17.55	18.02	18.57	19.06	20.40
	8H	19.10	19.54	20.13	20.57	21.92	17.72	18.16	18.74	19.19	20.54
	12H	19.20	19.60	20.24	20.64	22.00	17.83	18.22	18.87	19.26	20.62
8H	4H	18.54	18.98	19.56	20.00	21.36	17.40	17.84	18.42	18.87	20.22
	6H	19.16	19.52	20.20	20.59	21.94	17.93	18.29	18.97	19.36	20.71
	8H	19.43	19.75	20.49	20.81	22.18	18.18	18.50	19.23	19.55	20.93
	12H	19.60	19.88	20.65	20.93	22.34	18.36	18.64	19.41	19.69	21.10
12H	4H	18.51	18.91	19.55	19.95	21.31	17.40	17.80	18.44	18.84	20.20
	6H	19.17	19.49	20.23	20.55	21.92	17.99	18.31	19.04	19.36	20.73
	8H	19.47	19.76	20.53	20.80	22.22	18.27	18.55	19.32	19.60	21.01