

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: P1439537

Luminaire Tested: CB3-D-055U-055D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439537  
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-927-1D-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: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

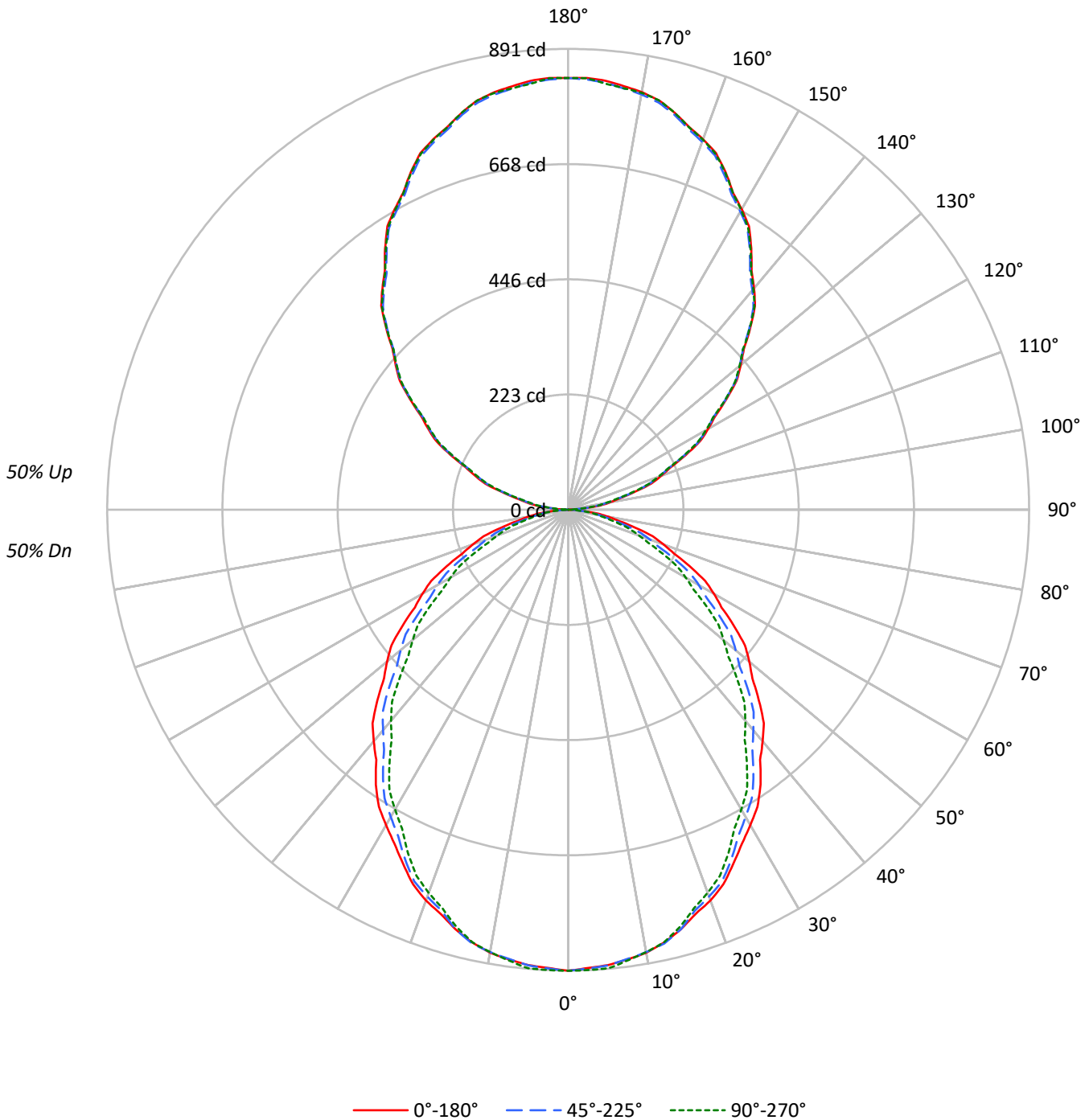
Lumens per Lamp: N/A  
Luminaire Lumens: 4283.9 lumens  
Efficiency: N/A  
Efficacy: 131.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 32.5  
Input Voltage (V): 120  
Input Current (Ain): 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	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°	10086	10086	10086
5°	10038	10045	10110
10°	9994	9979	9979
15°	9841	9841	9782
20°	9682	9583	9492
25°	9431	9312	9146
30°	9199	8960	8744
35°	8957	8625	8319
40°	8635	8223	7868
45°	8341	7866	7380
50°	8041	7439	6904
55°	7713	7027	6452
60°	7359	6599	5940
65°	6945	6115	5403
70°	6467	5544	4813
75°	5862	4866	4289
80°	5108	4079	3792
85°	3947	3453	3453

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8341 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.1	2.0
10°-20°	236.3	5.5
20°-30°	343.1	8.0
30°-40°	390.0	9.1
40°-50°	378.6	8.8
50°-60°	319.7	7.5
60°-70°	227.4	5.3
70°-80°	121.5	2.8
80°-90°	32.1	0.7
90°-100°	35.3	0.8
100°-110°	138.0	3.2
110°-120°	245.9	5.7
120°-130°	332.8	7.8
130°-140°	382.6	8.9
140°-150°	383.9	9.0
150°-160°	330.2	7.7
160°-170°	223.5	5.2
170°-180°	78.8	1.8
0°-30°	663.5	15.5
0°-40°	1053.5	24.6
0°-60°	1751.9	40.9
0°-90°	2132.9	49.8
90°-120°	419.2	9.8
90°-150°	1518.5	35.4
90°-180°	2151.0	50.2
0°-180°	4283.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	891	891	891	891	891	
5°	884	895	884	883	890	84
15°	840	848	840	835	835	237
25°	755	758	746	736	733	348
35°	648	642	624	606	602	404
45°	521	513	492	468	461	402
55°	391	380	356	333	327	350
65°	259	250	228	208	202	257
75°	134	127	111	100	98	143
85°	30	28	27	27	27	36
90°	0	0	0	0	0	3
95°	34	31	28	26	26	39
105°	134	133	129	127	125	143
115°	251	252	246	246	245	249
125°	374	378	370	369	370	334
135°	498	503	495	491	496	384
145°	617	622	612	609	614	385
155°	720	726	714	711	719	331
165°	795	802	791	787	795	224
175°	833	840	829	824	827	79
180°	834	834	834	834	834	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	891.4	891.4	891.4	891.4	891.4
2.5°	886.8	895.7	887.8	888.9	890.9
5°	883.8	894.9	884.4	883.3	890.1
7.5°	877.0	887.1	876.2	873.7	879.2
10°	869.9	881.0	868.6	865.5	868.6
12.5°	857.2	868.9	859.0	853.9	856.5
15°	840.1	847.6	840.1	835.1	835.1
17.5°	819.3	827.1	813.1	809.5	808.0
20°	804.1	810.9	795.9	790.7	788.3
22.5°	783.8	790.2	777.6	768.5	766.0
25°	755.4	757.8	745.9	735.7	732.6
27.5°	727.4	728.0	711.6	699.2	695.1
30°	704.1	704.7	685.8	672.4	669.3
32.5°	680.8	679.0	661.0	645.1	643.0
35°	648.5	642.3	624.4	606.0	602.3
37.5°	609.4	605.6	584.6	566.1	560.5
40°	584.6	578.4	556.7	538.2	532.7
42.5°	559.8	552.6	530.4	509.9	503.8
45°	521.3	513.3	491.6	468.0	461.2
47.5°	482.6	473.8	449.9	427.1	419.6
50°	456.8	447.5	422.6	400.3	392.2
52.5°	430.4	420.7	395.8	373.0	366.4
55°	391.0	380.5	356.2	333.3	327.1
57.5°	351.5	341.1	317.0	295.3	287.8
60°	325.2	315.3	291.6	270.0	262.5
62.5°	298.4	288.9	265.8	244.7	237.7
65°	259.4	250.1	228.4	208.0	201.8
67.5°	220.8	212.9	191.4	172.7	167.8
70°	195.5	188.1	167.6	150.5	145.5
72.5°	171.2	163.3	143.9	129.2	125.8
75°	134.1	126.7	111.3	99.9	98.1
77.5°	100.2	94.1	80.9	74.4	73.4
80°	78.4	72.9	62.6	58.2	58.2
82.5°	58.2	53.6	46.9	45.0	45.0
85°	30.4	27.9	26.6	26.6	26.6
87.5°	9.1	9.1	8.6	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.2	8.2	5.1	4.1	4.1
95°	33.9	30.8	27.5	25.6	26.2
97.5°	62.6	59.6	55.5	53.6	54.1
100°	82.6	80.1	75.5	73.6	73.6
102.5°	102.0	100.5	96.0	94.1	94.6
105°	133.7	133.1	128.6	126.7	125.4
107.5°	168.8	167.7	162.7	162.5	161.4
110°	191.3	190.7	186.2	185.6	184.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	214.4	215.3	210.3	209.6	209.0
115°	250.9	252.1	246.4	245.7	245.1
117.5°	288.2	290.0	283.9	283.2	282.1
120°	312.3	316.0	308.5	307.8	307.2
122.5°	336.9	340.1	333.0	331.9	331.7
125°	373.7	378.1	370.5	369.3	369.9
127.5°	410.6	415.1	408.0	405.5	406.9
130°	435.2	440.2	432.6	430.1	432.0
132.5°	460.3	465.3	457.7	455.2	458.1
135°	497.9	502.9	494.7	491.0	496.0
137.5°	534.6	539.0	530.0	527.4	532.7
140°	558.7	563.1	553.6	550.5	556.8
142.5°	582.2	587.1	576.6	573.5	580.3
145°	616.9	621.9	611.8	608.7	614.4
147.5°	650.2	655.3	645.1	641.5	647.2
150°	670.7	676.3	665.5	662.5	668.7
152.5°	690.6	696.8	685.5	682.0	689.7
155°	719.9	726.2	714.2	711.2	718.7
157.5°	746.3	752.1	741.2	738.1	744.6
160°	762.2	768.4	757.1	754.0	761.5
162.5°	776.0	782.3	771.9	767.9	775.4
165°	794.8	801.7	791.0	786.7	794.8
167.5°	810.6	817.9	806.6	802.7	810.8
170°	819.8	826.7	815.3	810.4	818.5
172.5°	825.9	832.8	821.4	816.4	822.1
175°	832.6	840.1	828.7	823.7	826.8
177.5°	835.5	841.5	832.4	828.0	835.0
180°	834.5	834.5	834.5	834.5	834.5

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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	15.16	16.00	16.12	16.98	18.25	14.08	14.93	15.04	15.90	17.18
	3H	16.82	17.58	17.79	18.57	19.86	15.49	16.25	16.46	17.23	18.53
	4H	17.45	18.17	18.44	19.16	20.46	16.01	16.73	16.99	17.71	19.02
	6H	17.84	18.50	18.83	19.49	20.81	16.32	16.99	17.32	17.98	19.30
	8H	17.97	18.60	18.98	19.61	20.93	16.45	17.08	17.45	18.09	19.40
	12H	18.04	18.64	19.05	19.64	20.98	16.52	17.12	17.53	18.12	19.46
4H	2H	15.56	16.28	16.55	17.27	18.58	14.70	15.42	15.70	16.41	17.72
	3H	17.45	18.05	18.45	19.07	20.39	16.32	16.92	17.32	17.94	19.26
	4H	18.20	18.75	19.21	19.76	21.10	16.93	17.48	17.94	18.49	19.83
	6H	18.70	19.17	19.72	20.20	21.55	17.34	17.81	18.36	18.84	20.18
	8H	18.89	19.33	19.91	20.36	21.71	17.51	17.95	18.53	18.98	20.33
	12H	18.99	19.39	20.03	20.43	21.79	17.61	18.01	18.65	19.05	20.41
8H	4H	18.33	18.77	19.35	19.79	21.15	17.19	17.63	18.21	18.65	20.01
	6H	18.95	19.31	19.99	20.38	21.73	17.72	18.08	18.76	19.15	20.50
	8H	19.22	19.54	20.28	20.59	21.97	17.97	18.29	19.02	19.34	20.71
	12H	19.39	19.67	20.44	20.71	22.13	18.14	18.43	19.20	19.47	20.89
12H	4H	18.30	18.70	19.34	19.74	21.10	17.19	17.59	18.23	18.63	19.99
	6H	18.96	19.28	20.02	20.34	21.71	17.77	18.09	18.83	19.15	20.52
	8H	19.26	19.54	20.32	20.59	22.00	18.05	18.34	19.11	19.38	20.80