

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: P1439287

Luminaire Tested: CB3-0U-055D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439287
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-0U-055D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
DIRECT ONLY
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

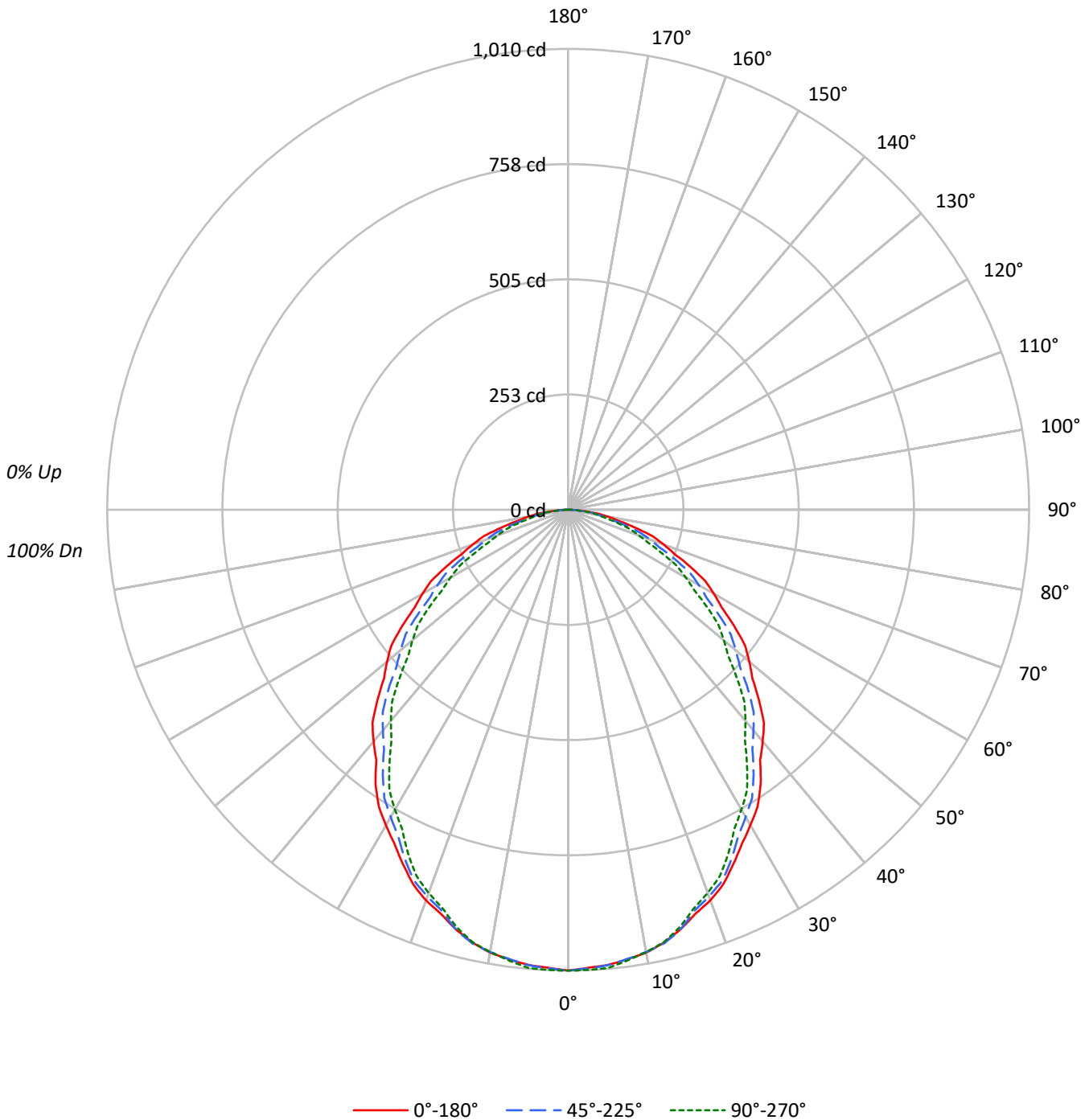
Lumens per Lamp: N/A
Luminaire Lumens: 2418.4 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.8
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11429	11429	11429
5°	11375	11383	11449
10°	11325	11309	11309
15°	11151	11151	11085
20°	10970	10858	10763
25°	10694	10559	10372
30°	10432	10161	9916
35°	10158	9781	9434
40°	9791	9324	8923
45°	9460	8919	8369
50°	9118	8435	7830
55°	8747	7967	7317
60°	8346	7483	6737
65°	7874	6934	6128
70°	7334	6289	5458
75°	6649	5521	4861
80°	5799	4626	4300
85°	4466	3908	3908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9460 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	3.9
10°-20°	267.8	11.1
20°-30°	389.0	16.1
30°-40°	442.3	18.3
40°-50°	429.4	17.8
50°-60°	362.5	15.0
60°-70°	257.9	10.7
70°-80°	137.8	5.7
80°-90°	36.4	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	752.1	31.1
0°-40°	1194.4	49.4
0°-60°	1986.2	82.1
0°-90°	2418.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2418.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	1002	1014	1002	1001	1008	95
15°	952	960	952	946	946	268
25°	857	859	846	834	831	395
35°	735	728	708	687	683	458
45°	591	582	557	531	523	456
55°	443	431	404	378	371	396
65°	294	284	259	236	229	291
75°	152	144	126	113	111	162
85°	34	32	30	30	30	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1010.1	1010.1	1010.1	1010.1	1010.1
2.5°	1005.0	1015.1	1006.1	1007.3	1009.6
5°	1001.5	1014.2	1002.2	1001.0	1008.0
7.5°	993.8	1005.3	992.9	990.0	996.4
10°	985.7	998.4	984.3	980.8	984.3
12.5°	971.4	984.6	973.4	967.6	970.5
15°	952.0	960.4	952.0	946.3	946.3
17.5°	928.3	937.2	921.3	917.3	915.7
20°	911.1	918.8	901.8	896.0	893.9
22.5°	888.2	895.3	881.1	871.3	868.7
25°	856.6	859.4	845.8	834.3	830.8
27.5°	824.9	825.6	807.0	792.9	788.3
30°	798.5	799.2	777.7	762.5	759.0
32.5°	772.1	770.0	749.6	731.6	729.2
35°	735.4	728.3	708.1	687.2	683.0
37.5°	691.0	686.8	662.9	642.0	635.6
40°	662.9	655.9	631.3	610.4	604.1
42.5°	634.8	626.6	601.5	578.2	571.4
45°	591.2	582.0	557.4	530.7	523.0
47.5°	547.3	537.3	510.2	484.4	475.8
50°	518.0	507.5	479.2	453.9	444.8
52.5°	488.1	477.1	448.8	423.0	415.5
55°	443.4	431.4	403.9	377.9	370.9
57.5°	398.6	386.8	359.4	334.8	326.4
60°	368.8	357.5	330.7	306.1	297.7
62.5°	338.3	327.7	301.5	277.5	269.6
65°	294.1	283.6	259.0	235.9	228.9
67.5°	250.4	241.4	217.1	195.9	190.3
70°	221.7	213.3	190.1	170.6	165.0
72.5°	194.1	185.2	163.1	146.6	142.6
75°	152.1	143.7	126.3	113.3	111.2
77.5°	113.6	106.8	91.7	84.3	83.2
80°	89.0	82.6	71.0	66.0	66.0
82.5°	66.0	60.8	53.2	51.1	51.1
85°	34.4	31.6	30.1	30.1	30.1
87.5°	10.3	10.3	9.8	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0



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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	19.46	21.04	19.83	21.36	21.67	18.38	19.96	18.75	20.28	20.59
	3H	21.18	22.60	21.56	22.93	23.29	19.85	21.27	20.22	21.60	21.96
	4H	21.84	23.18	22.24	23.53	23.90	20.39	21.73	20.79	22.08	22.46
	6H	22.26	23.50	22.67	23.86	24.25	20.75	21.99	21.16	22.35	22.74
	8H	22.42	23.60	22.84	23.99	24.39	20.89	22.07	21.31	22.46	22.86
	12H	22.51	23.64	22.94	24.02	24.45	20.99	22.12	21.42	22.50	22.93
4H	2H	19.95	21.29	20.35	21.64	22.01	19.09	20.43	19.49	20.78	21.15
	3H	21.90	23.02	22.31	23.42	23.82	20.77	21.89	21.18	22.29	22.69
	4H	22.68	23.69	23.11	24.10	24.54	21.41	22.41	21.84	22.83	23.27
	6H	23.22	24.10	23.67	24.54	25.00	21.86	22.74	22.31	23.18	23.63
	8H	23.43	24.25	23.89	24.69	25.16	22.04	22.86	22.50	23.31	23.77
	12H	23.56	24.29	24.04	24.77	25.24	22.18	22.92	22.66	23.39	23.86
8H	4H	22.86	23.68	23.32	24.13	24.59	21.72	22.54	22.18	22.99	23.45
	6H	23.51	24.19	24.00	24.68	25.15	22.28	22.96	22.77	23.45	23.92
	8H	23.79	24.40	24.30	24.91	25.40	22.54	23.15	23.05	23.65	24.14
	12H	23.99	24.53	24.49	25.02	25.58	22.74	23.28	23.25	23.78	24.34
12H	4H	22.87	23.60	23.35	24.08	24.55	21.76	22.49	22.24	22.97	23.44
	6H	23.53	24.14	24.04	24.65	25.14	22.34	22.95	22.85	23.46	23.95
	8H	23.86	24.40	24.37	24.89	25.46	22.65	23.20	23.16	23.69	24.25