Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1313049

Luminaire Tested: LDSQA3D24R459050D010 3LSQCDR1MB

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1313049
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D24R459050D010 3LSQCDR1MB
Description:	3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2778.0 lumens
Efficiency:	N/A
Efficacy:	96.5 lumens/watt
Spacing Criteria (0/90/45):	0.72 / 0.74 / 0.67
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct

Input Watts (W):	28.8
Input Voltage (V):	NR
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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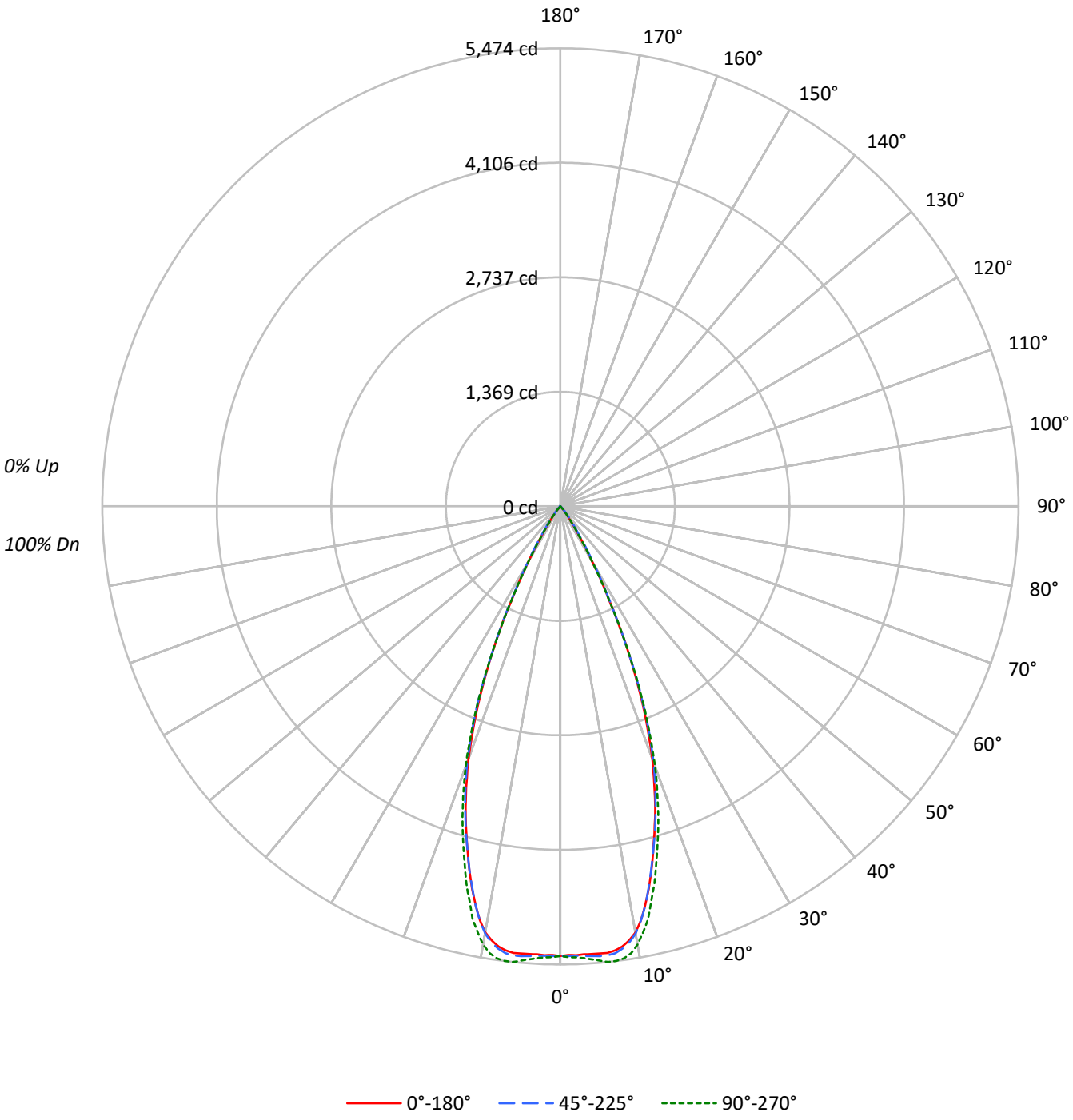
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	925369	925369	925369
5°	927487	932846	942112
10°	904267	906068	929904
15°	762884	763258	788291
20°	588883	597222	607063
25°	365326	365725	368082
30°	150720	160166	148254
35°	46885	57313	45161
40°	14389	19964	13467
45°	999	7550	999
50°	0	1099	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
Vertical Angle: 45°
Luminance: 7550 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.4	18.4
10°-20°	1189.0	42.8
20°-30°	872.2	31.4
30°-40°	187.4	6.7
40°-50°	17.8	0.6
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2572.6	92.6
0°-40°	2760.1	99.4
0°-60°	2778.0	100.0
0°-90°	2778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2778.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5373	5373	5373	5373	5373	
5°	5365	5379	5396	5433	5450	507
15°	4279	4270	4281	4349	4421	1178
25°	1922	1916	1925	1925	1937	862
35°	223	240	273	233	215	176
45°	4	12	31	12	4	10
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5373.1	5373.1	5373.1	5373.1	*5373.1*
1°	5362.8	5375.2	5375.2	5383.5	*5387.6*
2°	5366.9	5375.2	5373.1	5387.6	*5393.8*
3°	5360.7	5375.2	5379.3	5395.9	*5406.2*
4°	5362.8	5375.2	5387.6	5412.4	*5426.8*
5°	5364.9	5379.3	5395.9	5433.0	*5449.5*
6°	*5366.9*	*5377.3*	*5395.9*	*5443.3*	*5474.3*
7°	5346.3	5360.7	5381.4	5441.3	*5474.3*
8°	5313.3	5321.5	5338.0	5416.5	*5455.7*
9°	5251.3	5249.2	5274.0	5360.7	*5406.2*
10°	5170.8	5146.0	5181.1	5267.8	*5317.4*
11°	5040.7	5013.8	5044.8	5137.7	*5185.2*
12°	4871.3	4871.3	4877.5	4960.1	*5042.7*
13°	4691.7	4671.0	4683.4	4776.4	*4834.2*
14°	4493.4	4472.8	4485.2	4555.4	*4646.3*
15°	4278.7	4270.4	4280.8	4348.9	*4421.2*
17.5°	3768.6	3750.0	3787.2	3855.4	*3892.5*
20°	3213.1	3244.1	3258.6	3301.9	*3312.3*
22.5°	2575.1	2608.1	2628.7	2634.9	*2641.1*
25°	1922.5	1916.3	1924.6	1924.6	*1937.0*
27.5°	1263.8	1263.8	1286.5	1272.0	*1257.6*
30°	757.9	788.8	805.4	778.5	*745.5*
32.5°	413.0	444.0	470.8	431.6	*402.7*
35°	223.0	239.5	272.6	233.3	*214.8*
37.5°	121.8	136.3	156.9	132.2	*121.8*
40°	64.0	78.5	88.8	78.5	*59.9*
42.5°	20.7	39.2	51.6	39.2	*18.6*
45°	4.1	12.4	31.0	12.4	*4.1*
47.5°	0.0	2.1	14.5	2.1	*0.0*
50°	0.0	0.0	4.1	0.0	*0.0*
52.5°	0.0	0.0	0.0	0.0	*0.0*
55°	0.0	0.0	0.0	0.0	*0.0*
57.5°	0.0	0.0	0.0	0.0	*0.0*
60°	0.0	0.0	0.0	0.0	*0.0*
62.5°	0.0	0.0	0.0	0.0	*0.0*
65°	0.0	0.0	0.0	0.0	*0.0*
67.5°	0.0	0.0	0.0	0.0	*0.0*
70°	0.0	0.0	0.0	0.0	*0.0*
72.5°	0.0	0.0	0.0	0.0	*0.0*
75°	0.0	0.0	0.0	0.0	*0.0*
77.5°	0.0	0.0	0.0	0.0	*0.0*
80°	0.0	0.0	0.0	0.0	*0.0*
82.5°	0.0	0.0	0.0	0.0	*0.0*
85°	0.0	0.0	0.0	0.0	*0.0*
87.5°	0.0	0.0	0.0	0.0	*0.0*

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	*0.0*

(END OF REPORT)