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: P1316088

Luminaire Tested: LDSQA3D02R259740DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1316088
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D02R259740DE010 3LSQPHRL1MMS
Description:	3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	202.0 lumens
Efficiency:	N/A
Efficacy:	56.1 lumens/watt
Spacing Criteria (0/90/45):	0.52 / 0.52 / 0.54
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct

Input Watts (W):	3.6
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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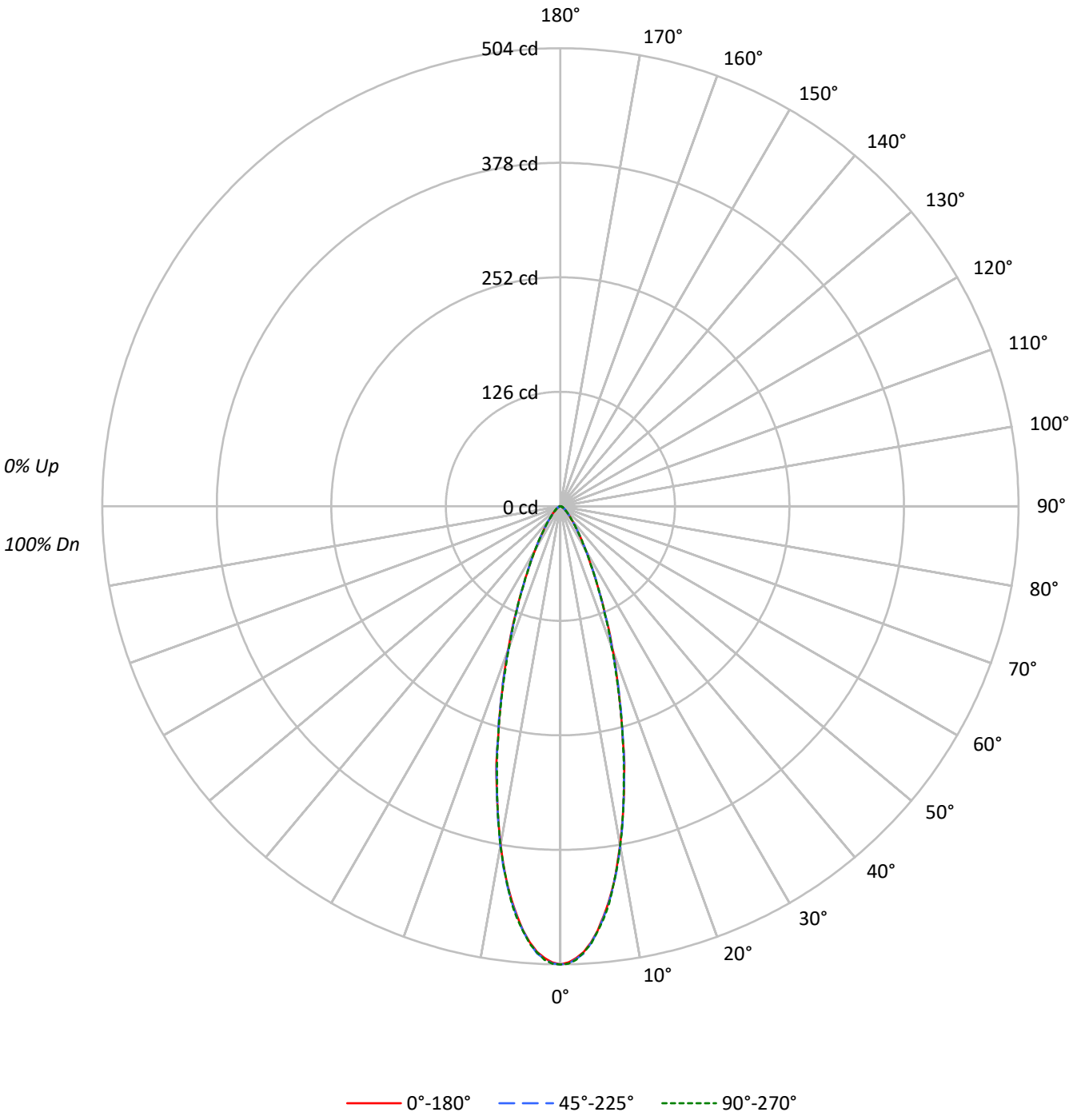
Luminous Intensity Polar Plot



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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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	86817	86817	86817
5°	81046	81116	81167
10°	66104	66314	66314
15°	47213	47463	47213
20°	30900	30589	30167
25°	18376	18452	18376
30°	11057	11057	11017
35°	6749	6791	6749
40°	4294	4339	4339
45°	2996	2996	2996
50°	2143	2224	2224
55°	1711	1711	1772
60°	1378	1447	1447
65°	1263	1263	1263
70°	1057	1057	1209
75°	932	932	1131
80°	893	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2996 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	20.7
10°-20°	73.0	36.1
20°-30°	45.9	22.7
30°-40°	21.0	10.4
40°-50°	9.8	4.9
50°-60°	5.3	2.6
60°-70°	3.1	1.5
70°-80°	1.6	0.8
80°-90°	0.3	0.2
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°	160.8	79.6
0°-40°	181.8	90.0
0°-60°	196.9	97.5
0°-90°	202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	504	504	504	504	504	
5°	469	470	469	470	470	42
15°	265	266	266	267	265	73
25°	97	98	97	97	97	46
35°	32	32	32	32	32	21
45°	12	12	12	12	12	10
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	1	1	1	2	2	2
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°	504.1	504.1	504.1	504.1	504.1
1°	502.0	502.5	503.0	503.7	503.4
2°	497.3	498.2	498.5	499.4	499.2
3°	490.9	490.7	492.6	492.6	491.4
4°	481.0	481.5	482.0	482.4	482.7
5°	468.8	469.7	469.2	469.7	469.5
6°	453.7	455.1	454.9	455.3	456.0
7°	437.6	438.6	438.6	438.1	440.0
8°	420.2	419.5	420.7	420.2	420.0
9°	399.4	400.9	401.1	399.9	400.4
10°	378.0	378.9	379.2	379.9	379.2
11°	356.8	356.8	357.2	358.4	356.5
12°	333.7	335.8	333.7	334.6	333.7
13°	311.7	312.2	311.7	311.5	309.8
14°	291.0	289.3	289.8	287.9	288.1
15°	264.8	266.5	266.2	266.7	264.8
17.5°	212.9	213.9	213.6	213.2	210.8
20°	168.6	168.6	166.9	166.0	164.6
22.5°	128.7	128.3	127.6	126.9	127.3
25°	96.7	97.9	97.1	97.1	96.7
27.5°	73.1	74.5	73.3	72.6	73.1
30°	55.6	56.1	55.6	55.4	55.4
32.5°	42.0	42.2	42.0	42.0	42.0
35°	32.1	32.1	32.3	32.3	32.1
37.5°	24.8	24.8	24.8	24.8	25.0
40°	19.1	19.3	19.3	19.3	19.3
42.5°	15.1	15.3	15.3	15.3	15.3
45°	12.3	12.3	12.3	12.3	12.3
47.5°	9.9	9.9	9.9	9.9	10.1
50°	8.0	8.3	8.3	8.3	8.3
52.5°	6.8	6.8	6.8	6.8	6.8
55°	5.7	5.7	5.7	5.9	5.9
57.5°	4.7	4.7	5.0	5.0	5.0
60°	4.0	4.2	4.2	4.2	4.2
62.5°	3.5	3.5	3.8	3.8	3.8
65°	3.1	3.1	3.1	3.1	3.1
67.5°	2.6	2.6	2.6	2.6	2.8
70°	2.1	2.1	2.1	2.4	2.4
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.4	1.4	1.4	1.7	1.7
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.5	0.5	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.2
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)