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: P1314161

Luminaire Tested: LDSQA3D02R309730DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1314161
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D02R309730DE010 3LSQPHRL1MMS
Description:	3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	197.0 lumens
Efficiency:	N/A
Efficacy:	54.7 lumens/watt
Spacing Criteria (0/90/45):	0.55 / 0.55 / 0.57
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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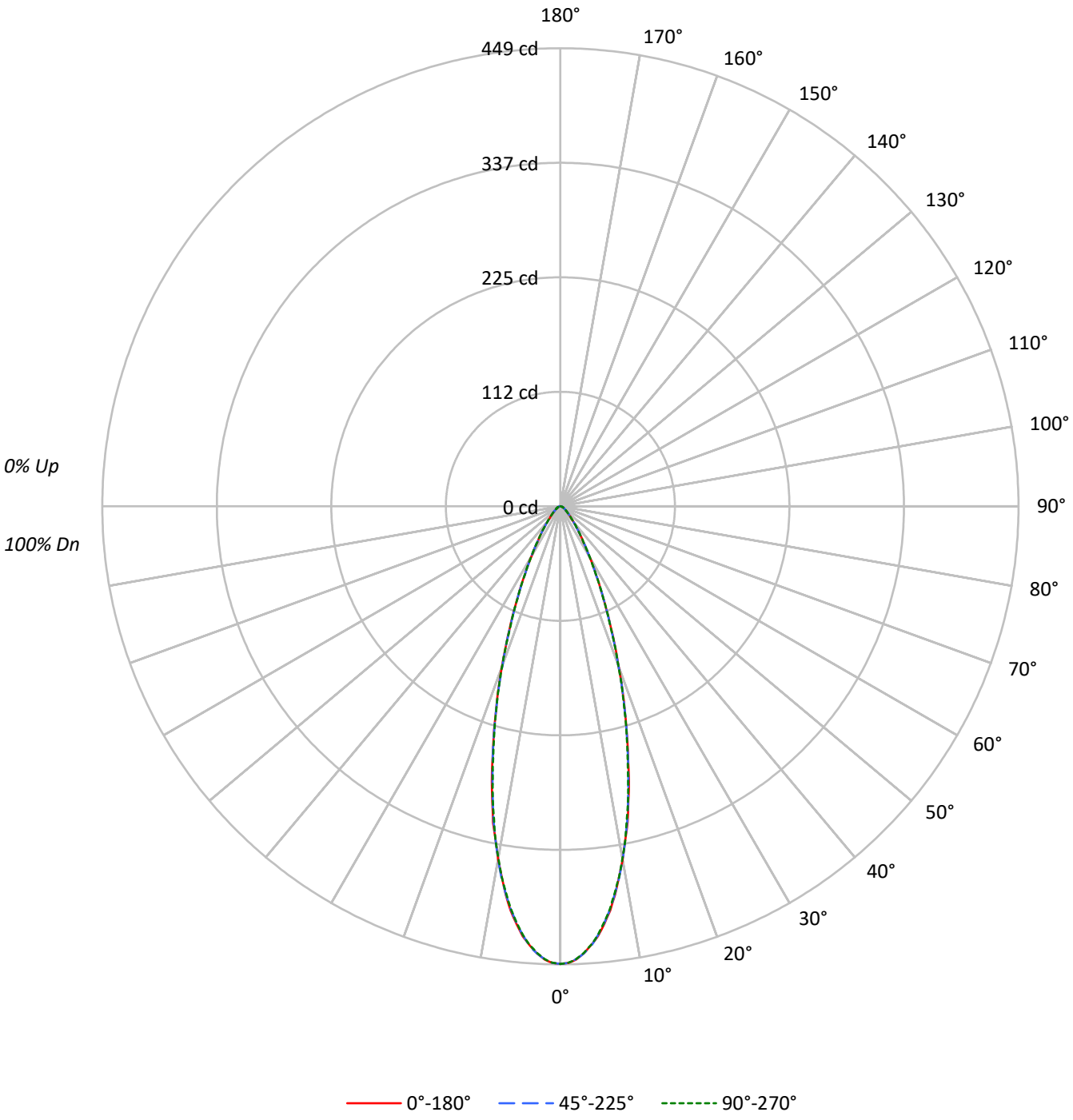
Luminous Intensity Polar Plot



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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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	77259	77259	77259
5°	73146	72956	72921
10°	61453	61453	61208
15°	45787	45662	45395
20°	30644	30479	30515
25°	18889	18851	18927
30°	11355	11355	11395
35°	6959	6959	7001
40°	4406	4406	4519
45°	3020	3069	3069
50°	2224	2224	2224
55°	1711	1772	1772
60°	1412	1412	1516
65°	1263	1263	1263
70°	1108	1209	1209
75°	998	998	998
80°	893	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
Vertical Angle: 45°
Luminance: 3069 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	19.3
10°-20°	70.2	35.6
20°-30°	46.7	23.7
30°-40°	21.6	10.9
40°-50°	10.0	5.1
50°-60°	5.4	2.7
60°-70°	3.1	1.6
70°-80°	1.7	0.8
80°-90°	0.4	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°	154.9	78.6
0°-40°	176.5	89.6
0°-60°	191.9	97.4
0°-90°	197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	197.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	449	449	449	449	449	
5°	423	422	422	423	422	38
15°	257	258	256	256	255	70
25°	99	99	99	99	100	47
35°	33	33	33	33	33	21
45°	12	12	13	13	13	10
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	2	2	2	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°	448.6	448.6	448.6	448.6	448.6
1°	447.7	447.3	447.7	448.4	447.5
2°	444.6	444.2	444.2	445.1	444.2
3°	438.8	439.2	439.0	439.9	438.3
4°	431.4	431.1	432.0	432.4	431.1
5°	423.1	422.2	422.0	423.1	421.8
6°	411.7	411.1	410.6	412.0	410.2
7°	399.5	399.1	398.4	398.9	397.6
8°	384.5	384.3	383.8	384.3	382.7
9°	367.7	367.7	368.6	368.4	367.5
10°	351.4	351.8	351.4	351.8	350.0
11°	333.0	333.0	333.5	333.3	333.5
12°	317.1	315.4	315.0	314.5	313.2
13°	296.6	295.3	294.9	295.3	294.7
14°	277.9	277.0	274.9	275.3	274.4
15°	256.8	257.6	256.1	256.1	254.6
17.5°	209.9	209.0	209.5	209.7	209.0
20°	167.2	166.7	166.3	165.9	166.5
22.5°	129.9	130.1	129.7	129.3	128.8
25°	99.4	99.2	99.2	99.2	99.6
27.5°	75.4	75.4	75.4	75.6	75.6
30°	57.1	56.7	57.1	57.3	57.3
32.5°	42.7	43.2	43.4	43.4	43.4
35°	33.1	32.9	33.1	33.3	33.3
37.5°	25.3	25.3	25.5	25.5	25.7
40°	19.6	19.6	19.6	19.8	20.1
42.5°	15.5	15.5	15.7	15.7	15.9
45°	12.4	12.4	12.6	12.6	12.6
47.5°	10.0	10.0	10.2	10.2	10.2
50°	8.3	8.3	8.3	8.3	8.3
52.5°	7.0	6.8	7.0	7.0	7.0
55°	5.7	5.9	5.9	5.9	5.9
57.5°	4.8	5.0	5.0	5.0	5.0
60°	4.1	4.1	4.1	4.4	4.4
62.5°	3.5	3.7	3.7	3.7	3.7
65°	3.1	3.1	3.1	3.1	3.1
67.5°	2.6	2.6	2.6	2.6	2.8
70°	2.2	2.2	2.4	2.4	2.4
72.5°	2.0	2.0	2.0	2.0	2.0
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.1	1.1	1.3	1.3	1.1
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.7	0.7	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)