

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: P1307659

Luminaire Tested: LDSQA3D02R359027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359027DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

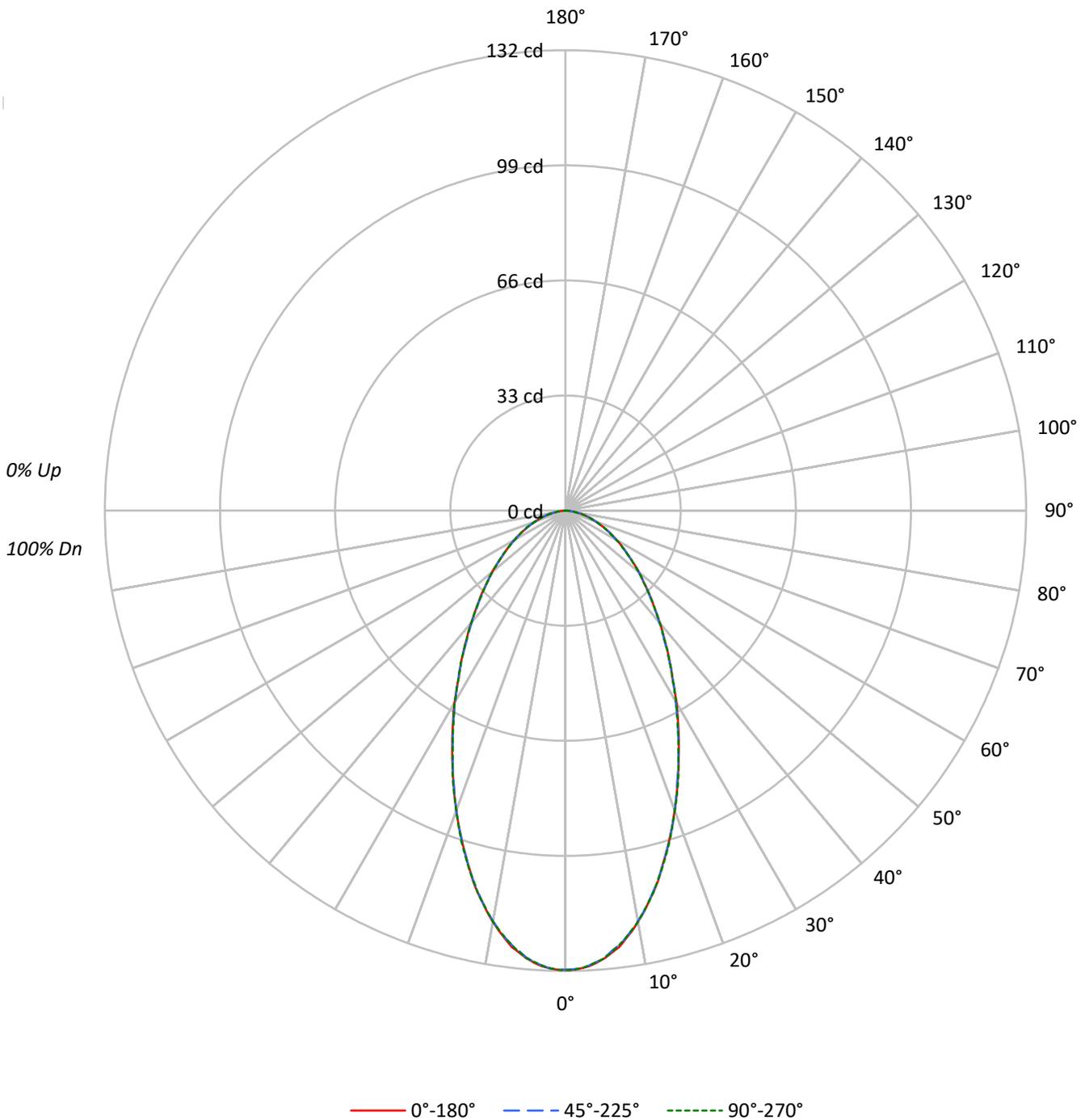
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 176.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.84 / 0.92
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22682	22682	22682
5°	22267	22232	22267
10°	20933	20898	20933
15°	18953	18953	18989
20°	16770	16770	16770
25°	14594	14537	14537
30°	12648	12548	12608
35°	10891	10849	10891
40°	9442	9398	9442
45°	8305	8232	8232
50°	7368	7315	7315
55°	6486	6486	6486
60°	5856	5787	5856
65°	5257	5257	5257
70°	4683	4683	4683
75°	4259	4059	4259
80°	3570	3570	3570
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8305 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	6.8
10°-20°	29.7	16.9
20°-30°	35.2	20.0
30°-40°	32.4	18.4
40°-50°	26.3	14.9
50°-60°	19.5	11.1
60°-70°	12.8	7.3
70°-80°	6.7	3.8
80°-90°	1.5	0.8
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°	76.9	43.7
0°-40°	109.2	62.1
0°-60°	155.0	88.1
0°-90°	176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	176.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	132	132	132	132	132	
5°	129	129	129	129	129	12
15°	106	106	106	106	106	30
25°	77	76	76	77	76	35
35°	52	52	52	52	52	32
45°	34	34	34	34	34	26
55°	22	22	22	22	22	20
65°	13	13	13	13	13	13
75°	6	6	6	6	6	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	131.7	131.7	131.7	131.7	131.7
1°	131.7	131.5	131.5	131.5	131.7
2°	131.3	131.3	131.3	131.3	131.3
3°	130.8	130.6	130.6	130.6	130.6
4°	129.9	129.7	129.7	129.7	129.7
5°	128.8	128.6	128.6	128.6	128.8
6°	127.4	127.2	127.0	127.0	127.2
7°	126.1	125.6	125.6	125.6	125.6
8°	124.0	123.8	123.8	123.8	123.8
9°	122.0	121.5	121.7	121.7	121.7
10°	119.7	119.5	119.5	119.5	119.7
11°	117.4	117.2	117.2	117.0	117.2
12°	114.7	114.7	114.7	114.7	114.7
13°	112.2	112.0	112.0	112.0	112.2
14°	109.5	109.3	109.3	109.3	109.3
15°	106.3	106.3	106.3	106.3	106.5
17.5°	99.0	98.8	99.0	99.0	99.3
20°	91.5	91.3	91.5	91.5	91.5
22.5°	84.0	84.0	83.8	84.0	84.3
25°	76.8	76.5	76.5	76.8	76.5
27.5°	70.0	69.7	69.7	69.7	69.7
30°	63.6	63.1	63.1	63.4	63.4
32.5°	57.0	57.0	57.2	57.0	57.0
35°	51.8	51.6	51.6	51.8	51.8
37.5°	46.6	46.3	46.3	46.6	46.6
40°	42.0	42.0	41.8	42.0	42.0
42.5°	37.7	37.7	37.7	37.7	37.7
45°	34.1	33.8	33.8	33.8	33.8
47.5°	30.4	30.4	30.4	30.2	30.4
50°	27.5	27.3	27.3	27.3	27.3
52.5°	24.3	24.3	24.3	24.3	24.3
55°	21.6	21.6	21.6	21.6	21.6
57.5°	19.3	19.1	19.1	19.1	19.1
60°	17.0	17.0	16.8	17.0	17.0
62.5°	14.8	14.8	14.8	14.8	14.8
65°	12.9	12.9	12.9	12.9	12.9
67.5°	11.1	11.1	11.1	11.1	11.1
70°	9.3	9.3	9.3	9.3	9.3
72.5°	7.9	7.7	7.7	7.7	7.7
75°	6.4	6.4	6.1	6.4	6.4
77.5°	4.8	4.8	4.8	4.8	4.8
80°	3.6	3.6	3.6	3.4	3.6
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.2	0.2	0.2	0.5	0.5



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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)