

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: P1310996

Luminaire Tested: LDSQA3D02R309040DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309040DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

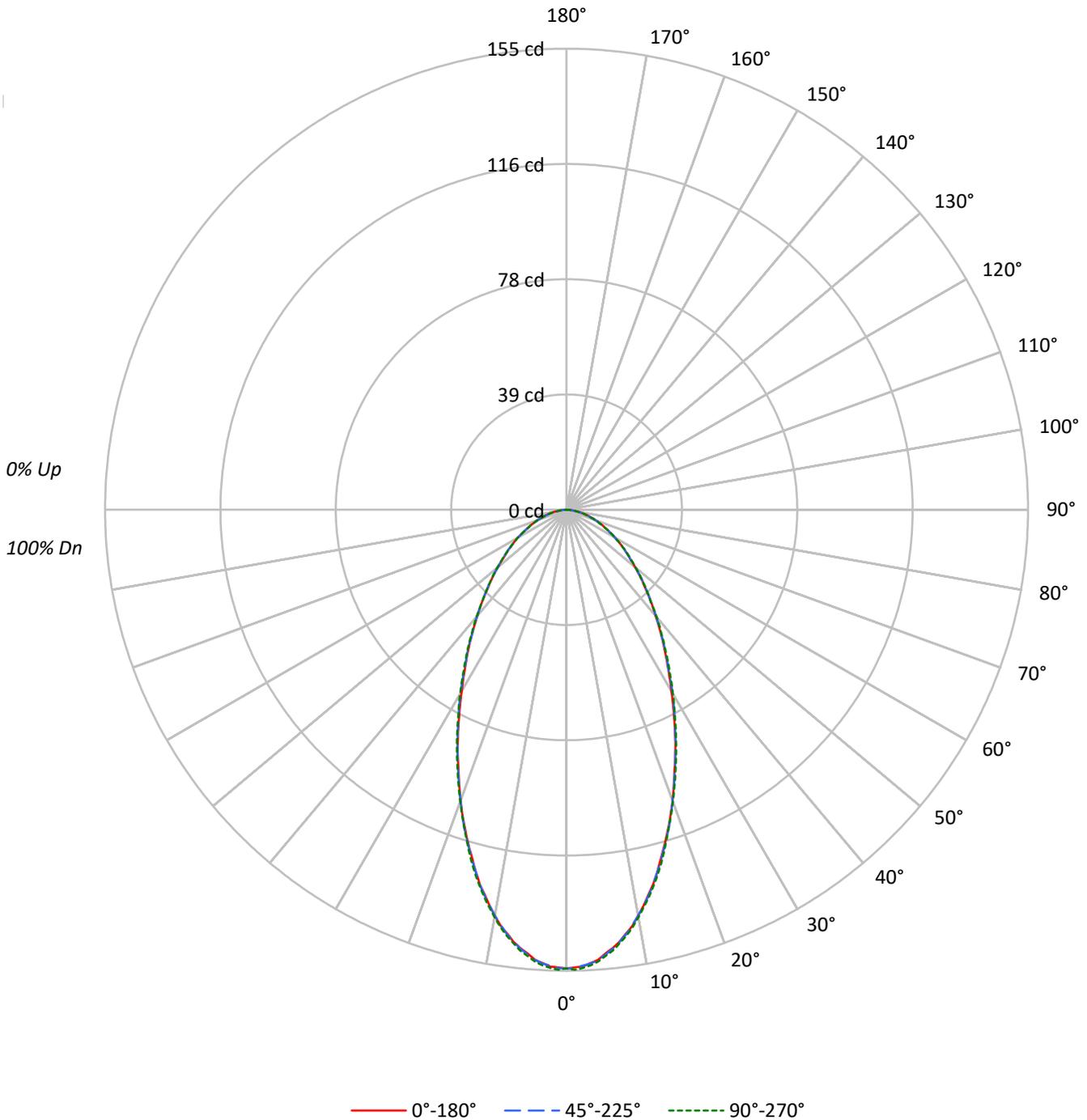
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 198.0 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
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			
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	70	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	62	62	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26557	26557	26557
5°	25897	25949	26036
10°	24238	24238	24326
15°	21735	21788	21931
20°	19079	19079	19134
25°	16437	16437	16551
30°	14000	14159	14219
35°	12089	12152	12215
40°	10477	10522	10589
45°	9133	9207	9207
50°	8065	8065	8145
55°	7236	7236	7236
60°	6510	6510	6510
65°	5787	5787	5787
70°	5237	5237	5237
75°	4724	4525	4525
80°	4066	3769	3769
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 9207 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	7.1
10°-20°	34.0	17.2
20°-30°	39.8	20.1
30°-40°	36.2	18.3
40°-50°	29.2	14.8
50°-60°	21.6	10.9
60°-70°	14.2	7.2
70°-80°	7.3	3.7
80°-90°	1.7	0.9
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°	87.8	44.3
0°-40°	124.0	62.6
0°-60°	174.8	88.3
0°-90°	198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	198.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	154	154	154	154	154	
5°	150	150	150	150	151	14
15°	122	122	122	122	123	34
25°	86	86	86	86	87	40
35°	58	57	58	58	58	36
45°	38	38	38	38	38	29
55°	24	24	24	24	24	22
65°	14	14	14	14	14	14
75°	7	7	7	7	7	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	154.2	154.2	154.2	154.2	154.2
1°	153.9	153.9	154.2	153.9	154.7
2°	153.7	153.4	153.4	153.4	154.2
3°	152.6	152.6	152.8	152.6	153.4
4°	151.7	151.5	151.7	151.5	152.3
5°	149.8	149.8	150.1	150.1	150.6
6°	148.2	148.2	148.4	148.2	149.0
7°	146.3	146.3	146.3	146.3	146.8
8°	143.8	143.8	144.1	144.1	144.6
9°	141.6	141.3	141.3	141.3	142.1
10°	138.6	138.6	138.6	138.6	139.1
11°	135.6	135.6	135.6	135.6	136.1
12°	132.3	132.3	132.6	132.3	133.1
13°	129.3	129.3	129.3	129.3	129.8
14°	125.7	125.4	125.7	125.7	126.5
15°	121.9	122.2	122.2	122.2	123.0
17.5°	113.1	113.1	113.4	112.8	113.4
20°	104.1	103.8	104.1	104.1	104.4
22.5°	94.8	95.0	95.0	95.0	95.6
25°	86.5	86.3	86.5	86.5	87.1
27.5°	78.1	78.3	78.6	78.3	78.9
30°	70.4	70.9	71.2	70.7	71.5
32.5°	63.5	63.5	63.8	64.1	64.4
35°	57.5	57.2	57.8	57.8	58.1
37.5°	51.8	51.8	51.8	52.0	52.3
40°	46.6	46.6	46.8	46.8	47.1
42.5°	41.9	41.6	41.9	41.9	41.9
45°	37.5	37.8	37.8	37.8	37.8
47.5°	33.7	33.7	34.0	33.7	34.0
50°	30.1	30.1	30.1	30.1	30.4
52.5°	26.8	26.8	26.8	26.8	27.1
55°	24.1	23.8	24.1	23.8	24.1
57.5°	21.4	21.4	21.4	21.4	21.4
60°	18.9	18.6	18.9	18.6	18.9
62.5°	16.4	16.4	16.4	16.4	16.4
65°	14.2	14.2	14.2	14.2	14.2
67.5°	12.3	12.3	12.3	12.1	12.1
70°	10.4	10.4	10.4	10.4	10.4
72.5°	8.8	8.5	8.5	8.5	8.5
75°	7.1	6.8	6.8	6.8	6.8
77.5°	5.5	5.5	5.2	5.2	5.5
80°	4.1	3.8	3.8	3.8	3.8
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.3	0.3	0.3	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)