

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: P1320434

Luminaire Tested: LDSQA3D20R409840D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R409840D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

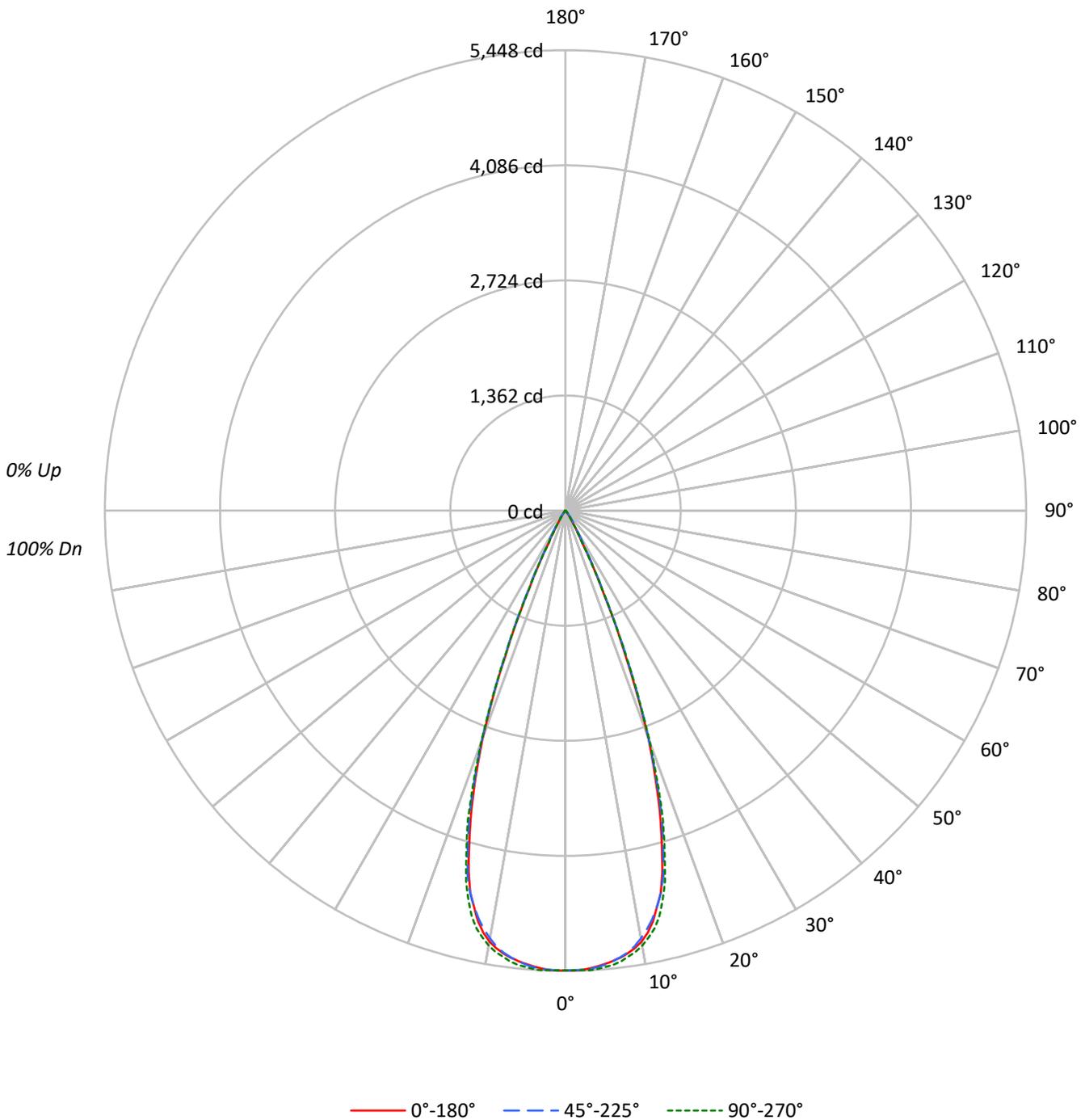
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2302.9 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (A_{in}): 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	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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	937150	937150	937150
5°	930927	932327	937375
10°	905736	898933	913938
15°	789165	797242	809669
20°	525652	528328	533368
25°	191110	196963	192041
30°	40588	54430	40588
35°	14297	24178	13624
40°	5103	7644	5103
45°	1193	3166	1193
50°	857	1313	857
55°	961	961	961
60°	1102	1102	1102
65°	652	1304	652
70°	806	806	806
75°	1065	1065	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3166 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.5	22.1
10°-20°	1184.9	51.5
20°-30°	533.3	23.2
30°-40°	60.7	2.6
40°-50°	8.7	0.4
50°-60°	2.9	0.1
60°-70°	2.5	0.1
70°-80°	1.5	0.1
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°	2226.7	96.7
0°-40°	2287.4	99.3
0°-60°	2299.0	99.8
0°-90°	2302.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2302.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5442	5442	5442	5442	5442	
5°	5385	5378	5393	5417	5422	508
15°	4426	4437	4471	4507	4541	1175
25°	1006	1012	1036	1036	1011	521
35°	68	76	115	73	65	51
45°	5	8	13	8	5	6
55°	3	3	3	3	3	3
65°	2	3	3	3	2	2
75°	2	2	2	2	2	1
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°	5441.5	5441.5	5441.5	5441.5	5441.5
1°	5444.8	5439.9	5438.3	5448.0	5439.9
2°	5439.9	5436.7	5438.3	5448.0	5441.5
3°	5425.3	5426.9	5431.8	5449.6	5448.0
4°	5407.5	5405.9	5415.6	5438.3	5438.3
5°	5384.8	5378.4	5392.9	5417.2	5422.1
6°	5358.9	5350.8	5362.2	5392.9	5404.3
7°	5329.8	5313.6	5323.3	5360.5	5375.1
8°	5290.9	5269.8	5281.2	5318.4	5329.8
9°	5242.3	5209.9	5219.6	5265.0	5287.7
10°	5179.2	5138.7	5140.3	5190.5	5226.1
11°	5090.1	5044.7	5046.4	5109.5	5146.8
12°	4971.9	4931.4	4939.5	4997.8	5057.7
13°	4811.5	4800.2	4809.9	4873.1	4928.1
14°	4656.1	4644.7	4662.5	4720.8	4746.7
15°	4426.1	4437.4	4471.4	4507.1	4541.1
17.5°	3697.3	3741.0	3781.5	3805.8	3835.0
20°	2868.1	2817.9	2882.7	2853.6	2910.2
22.5°	1851.1	1888.3	1904.5	1888.3	1894.8
25°	1005.7	1012.2	1036.5	1036.5	1010.6
27.5°	427.5	461.6	492.3	481.0	427.5
30°	204.1	234.8	273.7	236.4	204.1
32.5°	115.0	136.0	176.5	132.8	111.7
35°	68.0	76.1	115.0	72.9	64.8
37.5°	40.5	42.1	63.2	43.7	38.9
40°	22.7	27.5	34.0	27.5	22.7
42.5°	11.3	16.2	21.1	16.2	11.3
45°	4.9	8.1	13.0	8.1	4.9
47.5°	4.9	4.9	8.1	4.9	4.9
50°	3.2	3.2	4.9	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	1.6	3.2	3.2	3.2	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
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)