

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: P1319557

Luminaire Tested: LDSQA3D20R409835D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R409835D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

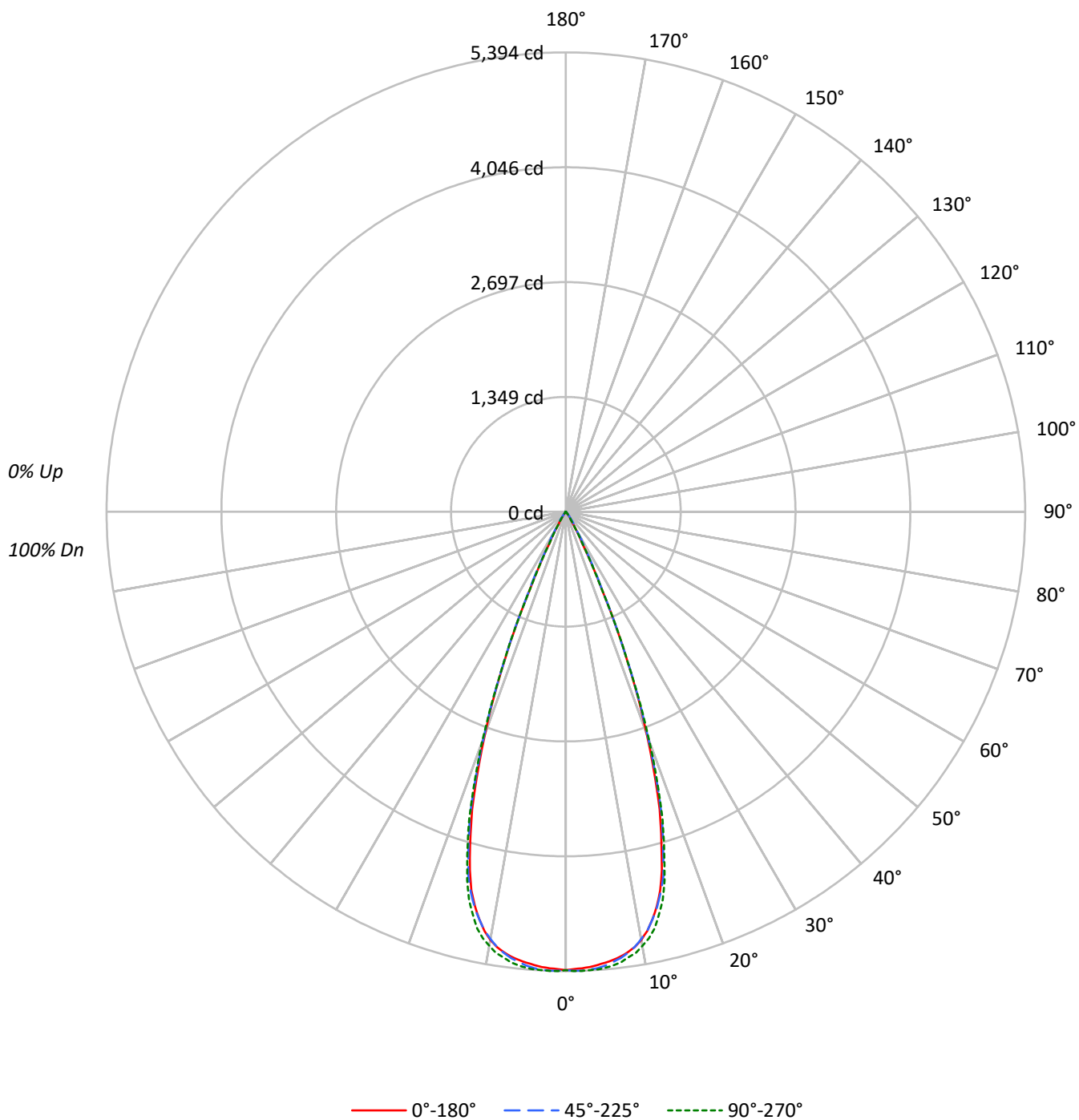
Lumens per Lamp: N/A
Luminaire Lumens: 2263.0 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (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					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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	926816	926816	926816
5°	918773	924565	928973
10°	892620	890941	904879
15°	776523	789022	798686
20°	509653	519586	526294
25°	181684	192288	180791
30°	39614	53554	39932
35°	12741	22118	12404
40°	3934	6812	3575
45°	390	2338	390
50°	0	429	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2338 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.3	22.2
10°-20°	1172.0	51.8
20°-30°	525.6	23.2
30°-40°	56.8	2.5
40°-50°	5.3	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	2200.9	97.3
0°-40°	2257.7	99.8
0°-60°	2263.0	100.0
0°-90°	2263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5382	5382	5382	5382	5382	
5°	5314	5329	5348	5356	5374	501
15°	4355	4387	4425	4451	4480	1157
25°	956	985	1012	1029	951	510
35°	61	70	105	68	59	47
45°	2	3	10	3	2	3
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	5381.5	5381.5	5381.5	5381.5	5381.5
1°	5370.3	5381.5	5391.0	5383.1	5394.2
2°	5365.5	5378.3	5392.6	5384.7	5394.2
3°	5352.8	5368.7	5384.7	5379.9	5389.4
4°	5335.3	5348.0	5371.9	5371.9	5386.3
5°	5314.5	5328.9	5348.0	5356.0	5373.5
6°	5292.2	5300.2	5314.5	5330.5	5354.4
7°	5263.6	5263.6	5281.1	5297.0	5328.9
8°	5223.7	5220.5	5233.3	5254.0	5282.7
9°	5174.3	5163.2	5172.7	5203.0	5246.0
10°	5104.2	5094.6	5094.6	5132.9	5174.3
11°	5013.4	5010.2	5011.8	5048.4	5104.2
12°	4890.7	4893.8	4893.8	4935.3	5003.8
13°	4752.0	4750.4	4764.8	4811.0	4857.2
14°	4583.1	4592.7	4607.0	4648.4	4696.2
15°	4355.2	4387.1	4425.3	4450.8	4479.5
17.5°	3662.0	3693.9	3746.5	3767.2	3773.6
20°	2780.8	2827.0	2835.0	2876.4	2871.6
22.5°	1864.5	1861.3	1867.7	1872.4	1874.0
25°	956.1	984.8	1011.9	1029.4	951.4
27.5°	415.9	465.3	500.4	454.2	420.7
30°	199.2	226.3	269.3	227.9	200.8
32.5°	108.4	125.9	170.5	124.3	106.8
35°	60.6	70.1	105.2	68.5	59.0
37.5°	35.1	38.2	57.4	38.2	33.5
40°	17.5	22.3	30.3	22.3	15.9
42.5°	6.4	11.2	15.9	11.2	6.4
45°	1.6	3.2	9.6	3.2	1.6
47.5°	0.0	0.0	4.8	0.0	0.0
50°	0.0	0.0	1.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)