

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: P1315957

Luminaire Tested: LDSQA3D20R409735D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315957
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: LDSQA3D20R409735D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

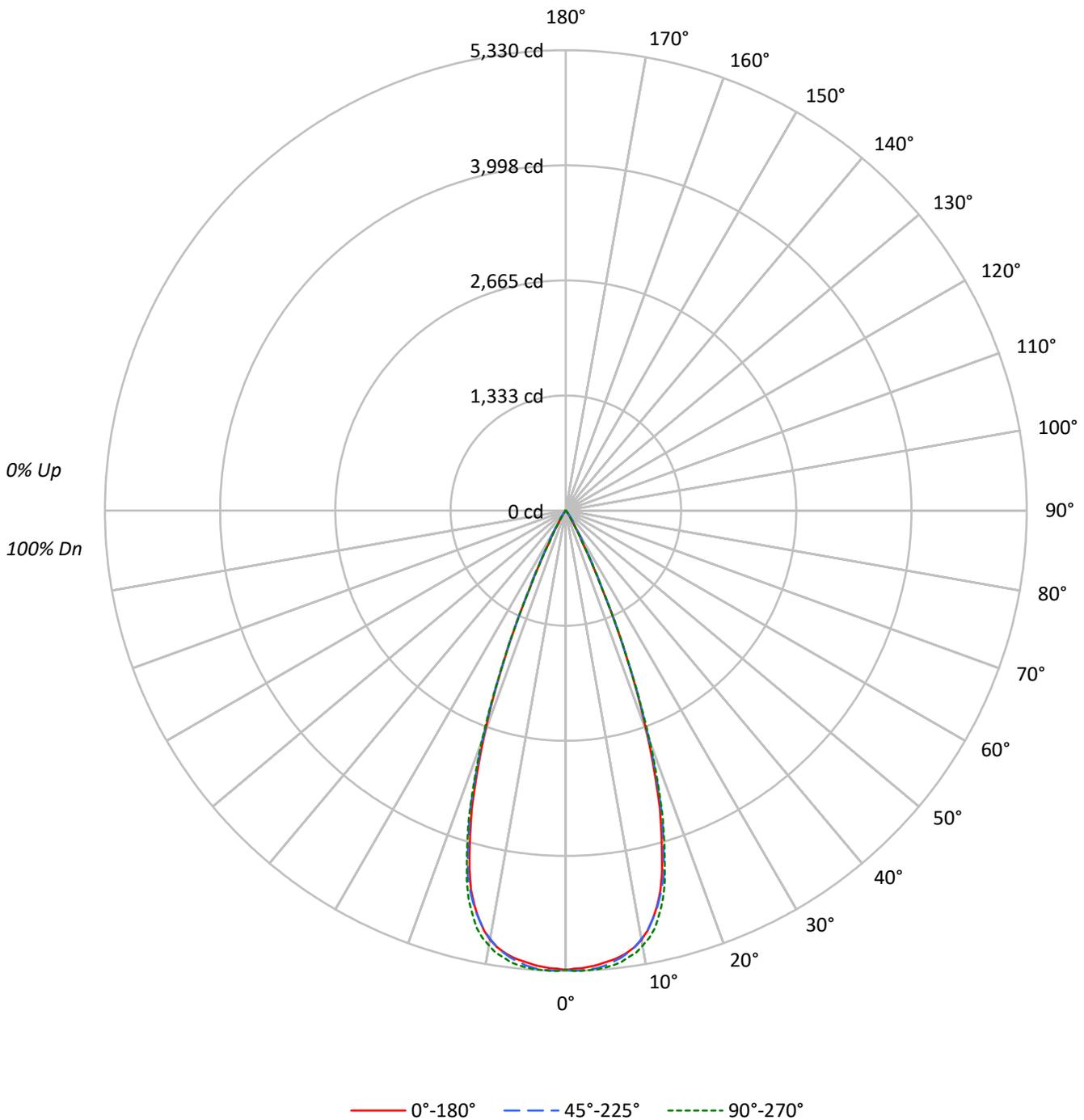
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2236.0 lumens
Efficiency: N/A
Efficacy: 77.6 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): 28.8
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	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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	88	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	85	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	915759	915759	915759
5°	907813	913535	917892
10°	881970	880308	894089
15°	767270	779608	789165
20°	503568	513373	520008
25°	179518	189989	178625
30°	39137	52918	39455
35°	12573	21844	12257
40°	3889	6722	3530
45°	390	2289	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: 2289 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.2	22.2
10°-20°	1158.0	51.8
20°-30°	519.4	23.2
30°-40°	56.1	2.5
40°-50°	5.2	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°	2174.7	97.3
0°-40°	2230.8	99.8
0°-60°	2236.0	100.0
0°-90°	2236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2236.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5317	5317	5317	5317	5317	
5°	5251	5265	5284	5292	5309	495
15°	4303	4335	4372	4398	4426	1144
25°	945	973	1000	1017	940	504
35°	60	69	104	68	58	46
45°	2	3	9	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5317.3	5317.3	5317.3	5317.3	5317.3
1°	5306.2	5317.3	5326.7	5318.8	5329.9
2°	5301.5	5314.1	5328.3	5320.4	5329.9
3°	5288.9	5304.7	5320.4	5315.7	5325.1
4°	5271.6	5284.2	5307.8	5307.8	5322.0
5°	5251.1	5265.3	5284.2	5292.1	5309.4
6°	5229.1	5237.0	5251.1	5266.9	5290.5
7°	5200.8	5200.8	5218.1	5233.8	5265.3
8°	5161.4	5158.2	5170.8	5191.3	5219.6
9°	5112.6	5101.6	5111.0	5140.9	5183.4
10°	5043.3	5033.8	5033.8	5071.6	5112.6
11°	4953.5	4950.4	4952.0	4988.2	5043.3
12°	4832.3	4835.5	4835.5	4876.4	4944.1
13°	4695.3	4693.7	4707.9	4753.6	4799.2
14°	4528.4	4537.9	4552.0	4593.0	4640.2
15°	4303.3	4334.7	4372.5	4397.7	4426.1
17.5°	3618.3	3649.8	3701.8	3722.2	3728.5
20°	2747.6	2793.3	2801.1	2842.1	2837.3
22.5°	1842.2	1839.1	1845.4	1850.1	1851.7
25°	944.7	973.1	999.8	1017.2	940.0
27.5°	411.0	459.8	494.4	448.7	415.7
30°	196.8	223.6	266.1	225.2	198.4
32.5°	107.1	124.4	168.5	122.8	105.5
35°	59.8	69.3	103.9	67.7	58.3
37.5°	34.6	37.8	56.7	37.8	33.1
40°	17.3	22.0	29.9	22.0	15.7
42.5°	6.3	11.0	15.7	11.0	6.3
45°	1.6	3.1	9.4	3.1	1.6
47.5°	0.0	0.0	4.7	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)