

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: P1320433

Luminaire Tested: LDSQA3D20R409840D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320433
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: LDSQA3D20R409840D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

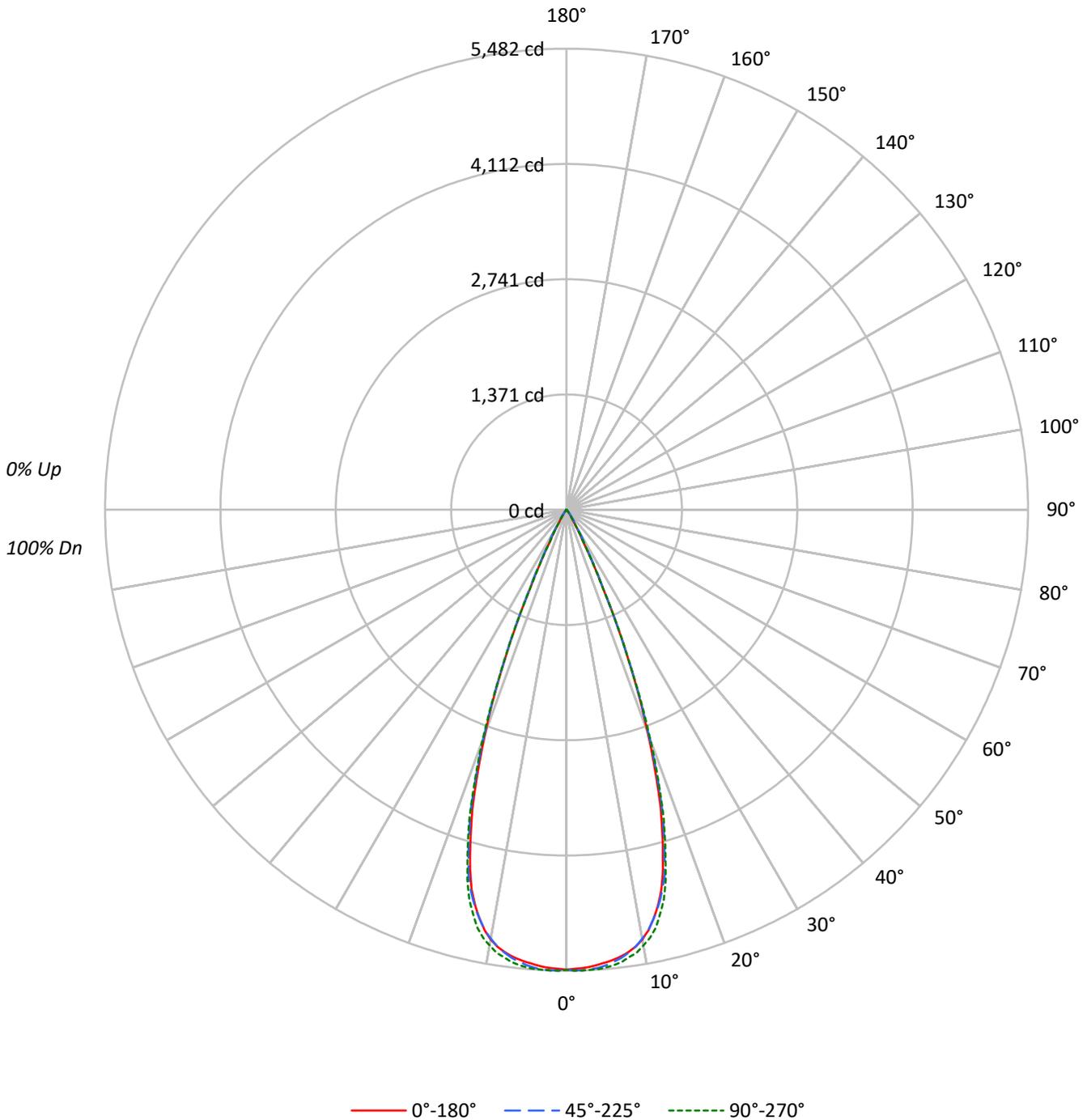
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2300.0 lumens
Efficiency: N/A
Efficacy: 83.9 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				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°	941972	941972	941972
5°	933797	939692	944170
10°	907205	905508	919674
15°	789218	801931	811755
20°	517973	528072	534908
25°	184668	195442	183737
30°	40270	54430	40588
35°	12930	22475	12594
40°	4002	6924	3642
45°	390	2363	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: 2363 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.5	22.2
10°-20°	1191.2	51.8
20°-30°	534.2	23.2
30°-40°	57.7	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°	2236.9	97.3
0°-40°	2294.6	99.8
0°-60°	2300.0	100.0
0°-90°	2300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2300.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5470	5470	5470	5470	5470	
5°	5401	5416	5436	5444	5461	510
15°	4426	4459	4498	4524	4553	1176
25°	972	1001	1028	1046	967	519
35°	62	71	107	70	60	48
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5469.5	5469.5	5469.5	5469.5	5469.5
1°	5458.1	5469.5	5479.2	5471.1	5482.4
2°	5453.3	5466.2	5480.8	5472.7	5482.4
3°	5440.3	5456.5	5472.7	5467.8	5477.6
4°	5422.5	5435.5	5459.7	5459.7	5474.3
5°	5401.4	5416.0	5435.5	5443.5	5461.4
6°	5378.8	5386.9	5401.4	5417.6	5441.9
7°	5349.6	5349.6	5367.4	5383.6	5416.0
8°	5309.1	5305.9	5318.8	5339.9	5369.0
9°	5258.9	5247.6	5257.3	5288.1	5331.8
10°	5187.6	5177.9	5177.9	5216.8	5258.9
11°	5095.3	5092.1	5093.7	5131.0	5187.6
12°	4970.6	4973.9	4973.9	5016.0	5085.6
13°	4829.7	4828.1	4842.7	4889.6	4936.6
14°	4658.0	4667.7	4682.3	4724.4	4773.0
15°	4426.4	4458.8	4497.7	4523.6	4552.8
17.5°	3721.9	3754.3	3807.7	3828.8	3835.3
20°	2826.2	2873.2	2881.3	2923.4	2918.6
22.5°	1895.0	1891.7	1898.2	1903.1	1904.7
25°	971.8	1000.9	1028.5	1046.3	966.9
27.5°	422.7	472.9	508.6	461.6	427.6
30°	202.5	230.0	273.7	231.6	204.1
32.5°	110.1	128.0	173.3	126.3	108.5
35°	61.5	71.3	106.9	69.6	59.9
37.5°	35.6	38.9	58.3	38.9	34.0
40°	17.8	22.7	30.8	22.7	16.2
42.5°	6.5	11.3	16.2	11.3	6.5
45°	1.6	3.2	9.7	3.2	1.6
47.5°	0.0	0.0	4.9	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)