

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: P1313822

Luminaire Tested: LDSQA3D17R309727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309727DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

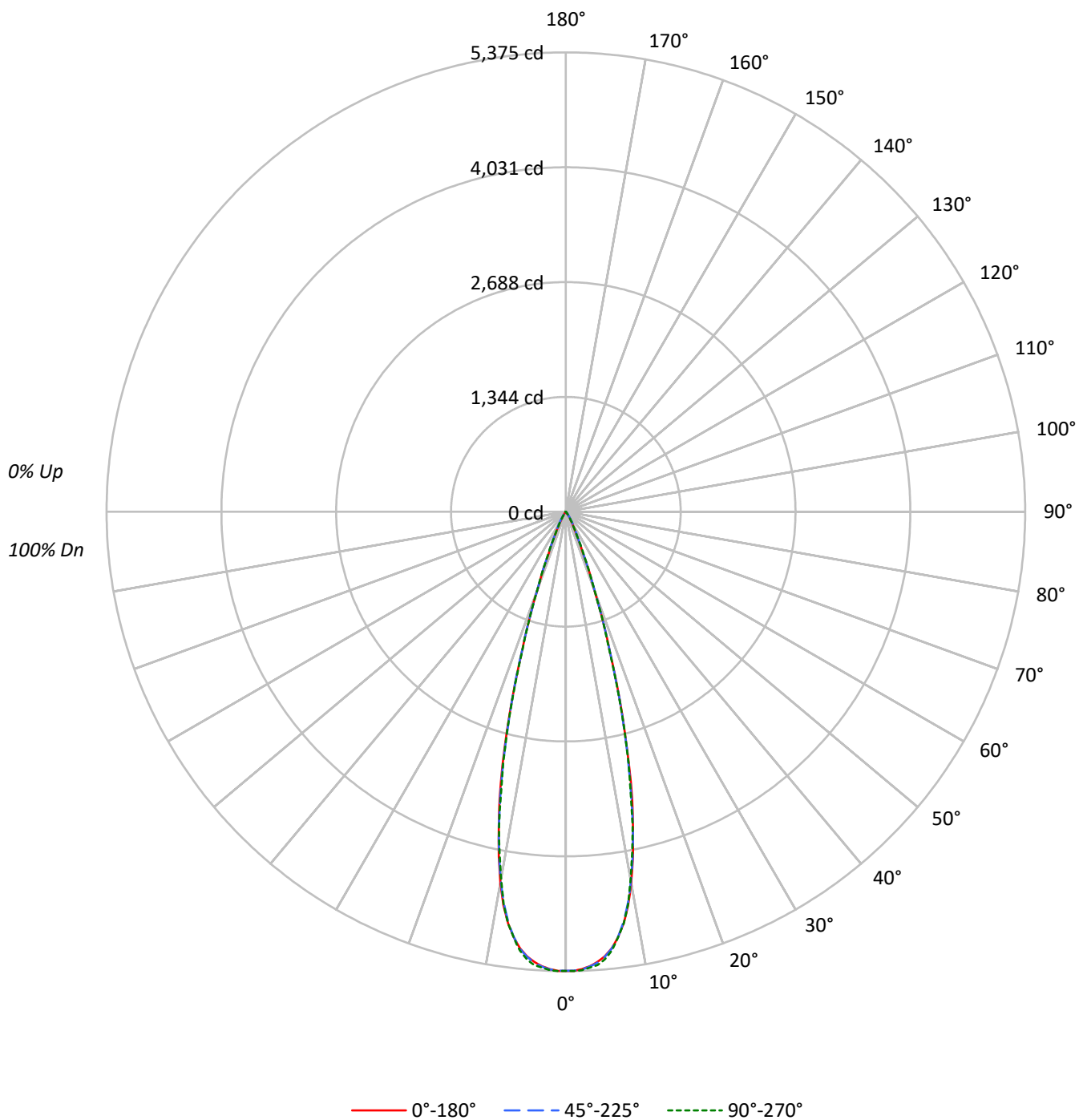
Lumens per Lamp: N/A
Luminaire Lumens: 1386.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
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	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	925077	925077	925077
5°	902523	903646	908677
10°	770816	767231	762719
15°	475681	470118	471848
20°	179775	180765	180563
25°	55298	60638	57768
30°	22293	28299	23148
35°	6581	12005	6791
40°	2675	4856	2675
45°	536	1583	536
50°	0	295	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: 1583 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.8	34.2
10°-20°	701.4	50.6
20°-30°	174.0	12.6
30°-40°	32.7	2.4
40°-50°	4.1	0.3
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°	1349.2	97.3
0°-40°	1381.8	99.7
0°-60°	1386.0	100.0
0°-90°	1386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1386.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5371	5371	5371	5371	5371	
5°	5220	5218	5227	5236	5256	474
15°	2668	2642	2637	2657	2646	705
25°	291	310	319	318	304	168
35°	31	41	57	42	32	26
45°	2	3	6	4	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°	5371.4	5371.4	5371.4	5371.4	5371.4
1°	5373.6	5369.2	5369.2	5362.8	5374.6
2°	5354.2	5349.8	5357.4	5352.0	5367.1
3°	5325.0	5319.7	5330.4	5333.7	5341.2
4°	5281.9	5277.6	5289.5	5295.9	5316.4
5°	5220.5	5218.3	5227.0	5235.6	5256.1
6°	5136.4	5133.2	5138.6	5149.3	5162.3
7°	5014.6	5008.1	5012.4	5014.6	5017.8
8°	4860.5	4850.8	4845.4	4857.2	4863.7
9°	4662.1	4651.3	4639.5	4635.2	4650.3
10°	4407.7	4391.5	4387.2	4376.5	4361.4
11°	4112.4	4099.4	4096.2	4076.8	4068.2
12°	3773.9	3767.4	3775.0	3763.1	3758.8
13°	3449.4	3408.5	3403.1	3380.4	3368.6
14°	3065.7	3027.9	3026.9	3015.0	3031.2
15°	2667.9	2642.0	2636.7	2657.1	2646.4
17.5°	1701.0	1718.2	1713.9	1703.2	1684.8
20°	980.9	969.1	986.3	990.6	985.2
22.5°	522.8	527.1	530.3	543.3	551.9
25°	291.0	310.4	319.1	318.0	304.0
27.5°	181.1	193.0	209.1	198.3	186.5
30°	112.1	121.8	142.3	122.9	116.4
32.5°	60.4	76.5	91.6	76.5	62.5
35°	31.3	41.0	57.1	42.0	32.3
37.5°	20.5	23.7	36.7	23.7	20.5
40°	11.9	15.1	21.6	15.1	11.9
42.5°	5.4	8.6	11.9	8.6	5.4
45°	2.2	3.2	6.5	4.3	2.2
47.5°	0.0	1.1	3.2	1.1	0.0
50°	0.0	0.0	1.1	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)