

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: P1317403

Luminaire Tested: LDSQA3D09R609827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609827DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

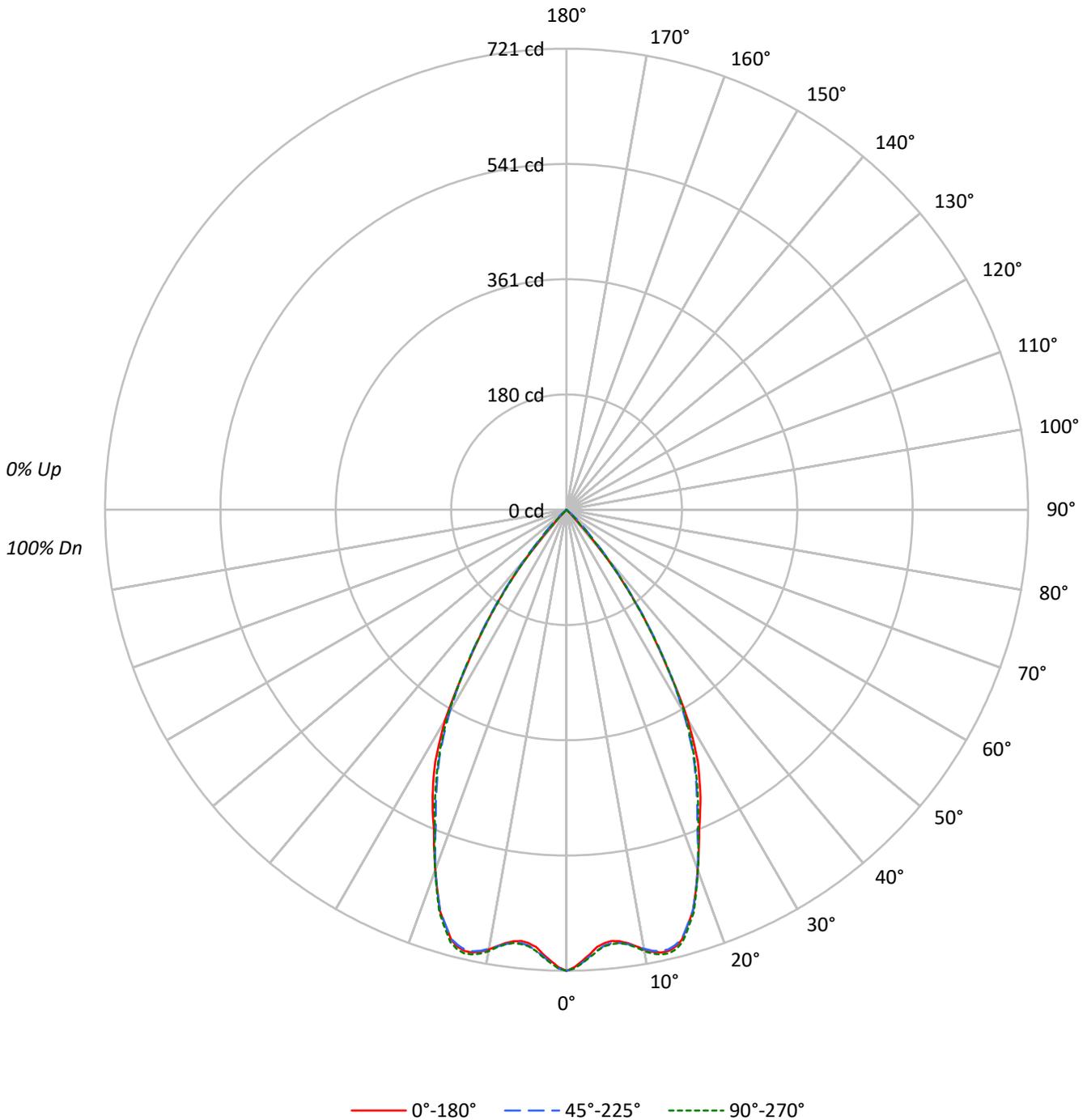
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 639.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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				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	100	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82	82	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77	77	77	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72	72	72	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67	67	67	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63	63	63	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59	59	59	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56	56	56	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	124190	124190	124190
5°	117611	118233	118406
10°	122083	121908	122625
15°	124113	123935	124844
20°	109837	109837	110020
25°	94120	91308	92087
30°	75291	72566	73680
35°	46716	47684	46611
40°	20504	22572	21088
45°	244	7331	609
50°	0	831	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: 7331 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	10.3
10°-20°	190.9	29.9
20°-30°	221.6	34.7
30°-40°	139.6	21.8
40°-50°	21.0	3.3
50°-60°	0.1	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°	478.4	74.9
0°-40°	617.9	96.7
0°-60°	639.0	100.0
0°-90°	639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	639.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	721	721	721	721	721	
5°	680	683	684	685	685	66
15°	696	694	695	700	700	191
25°	495	490	480	483	485	225
35°	222	223	227	222	222	139
45°	1	10	30	13	2	14
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°	721.1	721.1	721.1	721.1	721.1
1°	715.5	717.5	717.5	718.0	717.5
2°	705.8	708.8	708.8	710.4	709.3
3°	696.1	698.6	699.2	701.2	700.7
4°	685.4	689.5	691.0	692.0	691.5
5°	680.3	682.8	683.9	685.4	684.9
6°	678.3	680.3	681.3	682.8	682.8
7°	679.8	681.3	682.8	683.9	682.8
8°	684.4	685.9	685.9	687.9	686.4
9°	691.0	691.5	691.5	694.1	692.5
10°	698.1	697.1	697.1	700.7	701.2
11°	704.2	703.2	702.7	706.3	707.3
12°	707.8	705.8	705.8	710.4	710.9
13°	708.3	705.8	705.8	710.4	711.9
14°	704.2	701.2	701.7	706.8	708.3
15°	696.1	693.5	695.1	699.7	700.2
17.5°	657.4	655.8	656.9	659.9	660.4
20°	599.3	598.3	599.3	599.3	600.3
22.5°	541.7	539.1	534.0	537.1	537.6
25°	495.3	489.7	480.5	482.6	484.6
27.5°	444.4	437.2	427.5	430.1	430.6
30°	378.6	375.1	364.9	367.4	370.5
32.5°	292.5	302.2	296.1	295.6	296.1
35°	222.2	222.7	226.8	222.2	221.7
37.5°	155.4	155.9	159.0	153.9	154.4
40°	91.2	97.8	100.4	98.4	93.8
42.5°	28.5	50.4	57.1	49.4	31.6
45°	1.0	9.7	30.1	12.7	2.5
47.5°	0.0	0.5	14.3	1.0	0.0
50°	0.0	0.0	3.1	0.0	0.0
52.5°	0.0	0.0	0.5	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)