

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: P1317103

Luminaire Tested: LDSQA3D02R559827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

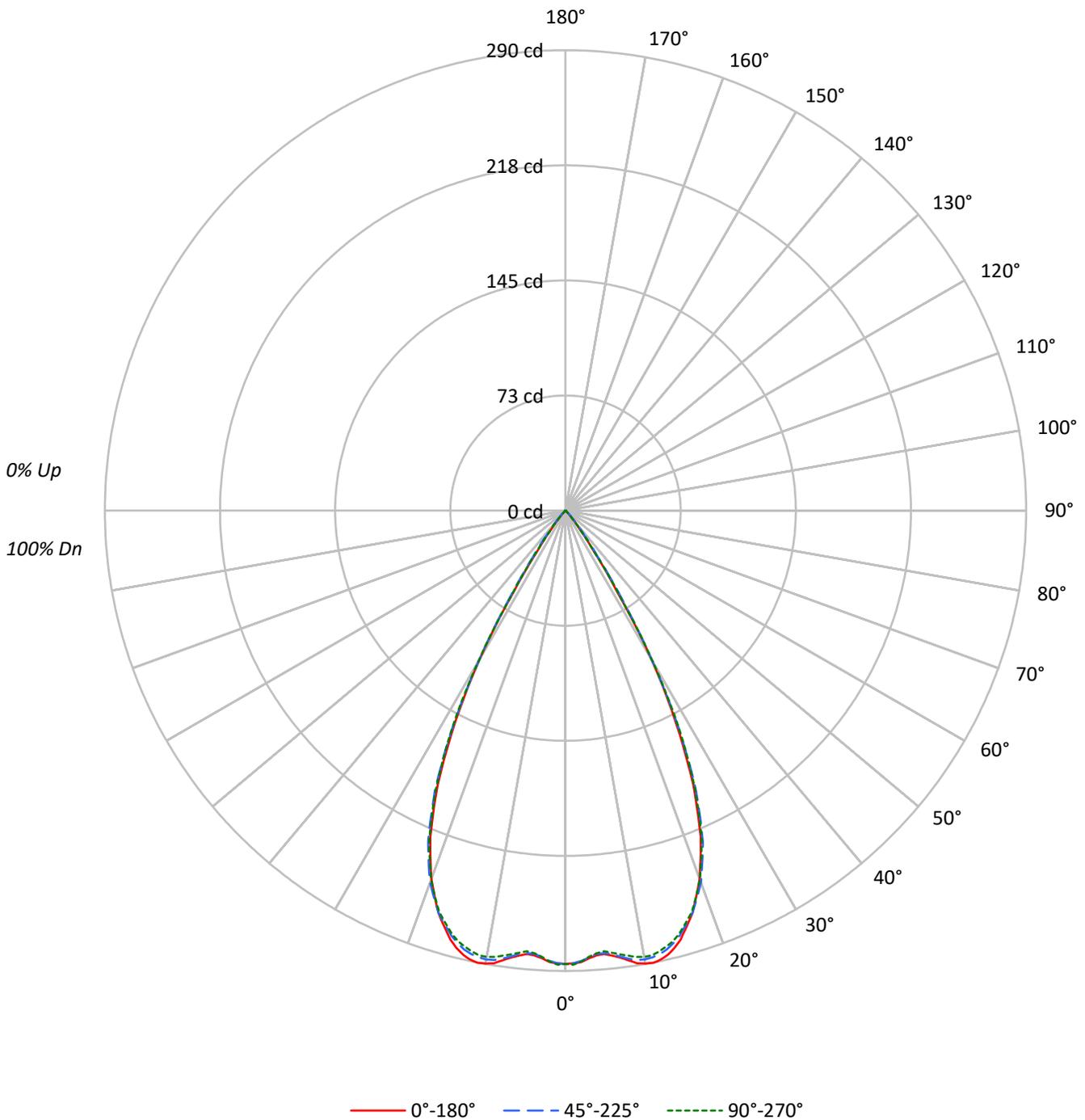
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 219.0 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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				
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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49187	49187	49187
5°	48476	48389	48165
10°	50663	50225	49911
15°	49888	49442	49228
20°	45232	45691	45342
25°	36162	36922	36580
30°	21696	21696	21955
35°	6265	7422	6476
40°	1799	2428	1799
45°	414	926	414
50°	188	322	134
55°	150	150	150
60°	172	172	172
65°	122	122	122
70°	151	151	151
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 926 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	12.4
10°-20°	77.2	35.2
20°-30°	85.0	38.8
30°-40°	26.0	11.9
40°-50°	2.6	1.2
50°-60°	0.5	0.2
60°-70°	0.4	0.2
70°-80°	0.2	0.1
80°-90°	0.1	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°	189.3	86.4
0°-40°	215.3	98.3
0°-60°	218.3	99.7
0°-90°	219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	286	286	286	286	286	
5°	280	280	280	279	279	27
15°	280	279	277	276	276	78
25°	190	192	194	196	192	84
35°	30	31	35	32	31	24
45°	2	2	4	2	2	2
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°	285.6	285.6	285.6	285.6	285.6
1°	285.2	285.4	285.2	284.9	286.1
2°	284.6	284.4	283.9	283.7	284.2
3°	282.4	282.4	281.8	281.4	281.6
4°	280.8	280.8	279.8	279.4	279.6
5°	280.4	280.4	279.9	279.1	278.6
6°	281.8	282.1	280.9	280.1	280.1
7°	283.7	283.9	283.1	281.9	281.6
8°	286.2	286.4	285.1	283.7	283.1
9°	288.7	288.4	286.6	285.2	284.7
10°	289.7	289.6	287.2	285.9	285.4
11°	290.2	289.4	286.7	285.6	285.4
12°	289.1	288.4	285.6	284.4	283.9
13°	287.1	286.1	283.7	282.6	281.9
14°	283.9	282.9	280.8	279.4	279.6
15°	279.8	279.3	277.3	276.1	276.1
17.5°	265.9	266.3	265.8	265.3	264.9
20°	246.8	248.1	249.3	248.6	247.4
22.5°	222.3	224.6	226.0	226.3	224.1
25°	190.3	192.2	194.3	196.2	192.5
27.5°	150.5	152.2	154.2	155.4	154.9
30°	109.1	109.2	109.1	111.2	110.4
32.5°	60.6	65.6	66.4	67.9	62.6
35°	29.8	31.3	35.3	32.5	30.8
37.5°	14.3	15.3	19.1	15.7	15.0
40°	8.0	8.7	10.8	9.0	8.0
42.5°	3.8	5.0	5.8	5.2	3.8
45°	1.7	2.5	3.8	2.5	1.7
47.5°	0.7	1.0	2.3	1.0	0.7
50°	0.7	0.5	1.2	0.5	0.5
52.5°	0.5	0.5	0.7	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.3	0.5	0.5	0.5	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.2	0.3	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
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)