

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: P1317031

Luminaire Tested: LDSQA3D02R259827DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R259827DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

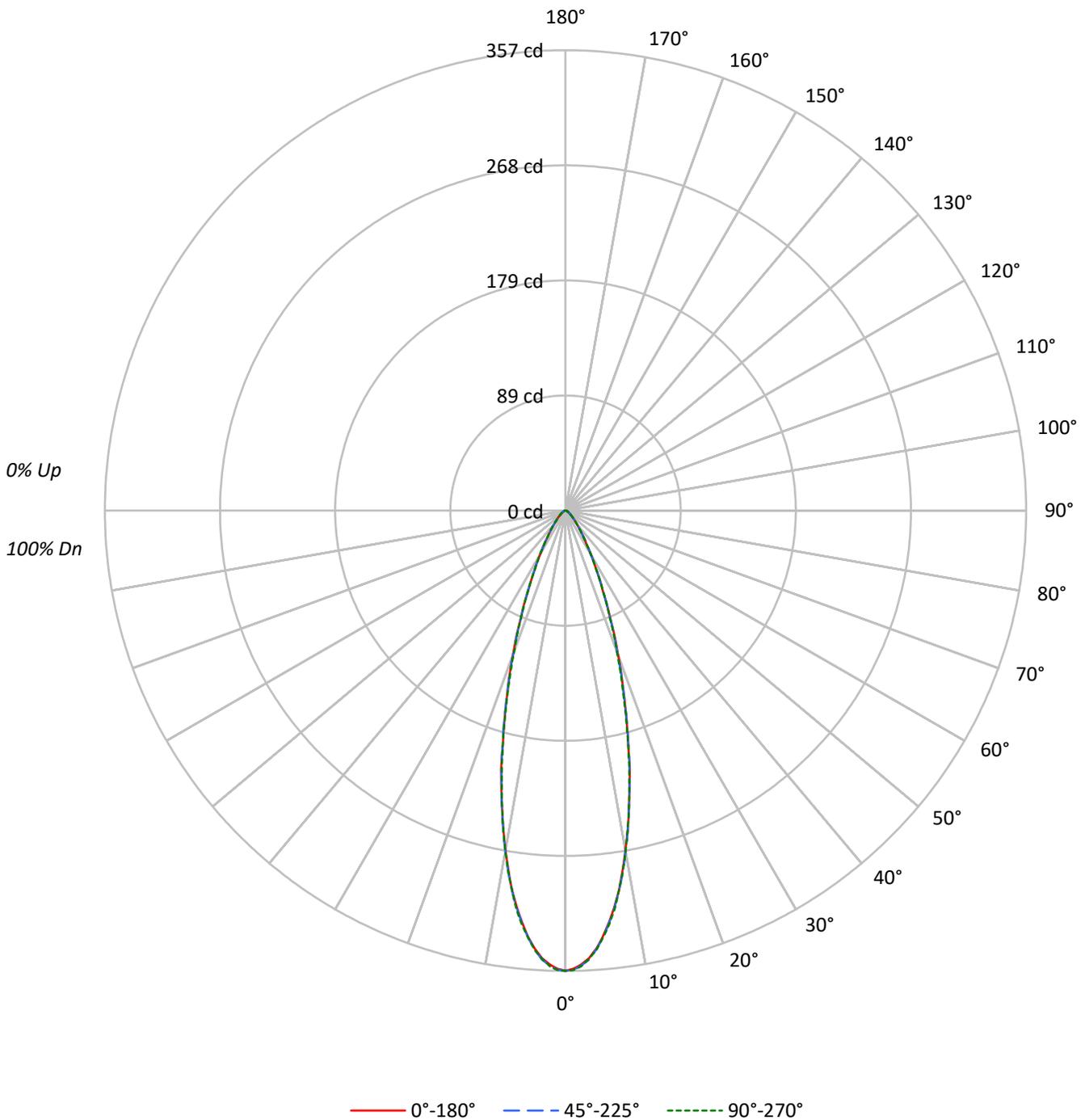
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 143.0 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
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				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	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	73	78	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	61466	61466	61466
5°	57362	57431	57465
10°	46798	46938	46938
15°	33431	33609	33431
20°	21883	21663	21352
25°	12998	13074	12998
30°	7835	7835	7796
35°	4773	4815	4773
40°	3035	3080	3080
45°	2119	2119	2119
50°	1527	1554	1554
55°	1201	1201	1261
60°	964	1033	1033
65°	897	897	897
70°	755	755	856
75°	665	665	799
80°	694	694	694
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2119 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	20.7
10°-20°	51.7	36.2
20°-30°	32.5	22.7
30°-40°	14.9	10.4
40°-50°	7.0	4.9
50°-60°	3.7	2.6
60°-70°	2.2	1.5
70°-80°	1.1	0.8
80°-90°	0.3	0.2
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°	113.8	79.6
0°-40°	128.7	90.0
0°-60°	139.4	97.5
0°-90°	143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	357	357	357	357	357	
5°	332	332	332	332	332	30
15°	188	189	188	189	188	52
25°	68	69	69	69	68	33
35°	23	23	23	23	23	15
45°	9	9	9	9	9	7
55°	4	4	4	4	4	4
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	356.9	356.9	356.9	356.9	356.9
1°	355.4	355.7	356.1	356.6	356.4
2°	352.0	352.7	352.9	353.6	353.4
3°	347.5	347.4	348.7	348.7	347.9
4°	340.5	340.9	341.2	341.5	341.7
5°	331.8	332.5	332.2	332.5	332.4
6°	321.2	322.2	322.0	322.3	322.8
7°	309.8	310.5	310.5	310.1	311.5
8°	297.5	297.0	297.8	297.5	297.3
9°	282.8	283.8	283.9	283.1	283.4
10°	267.6	268.3	268.4	268.9	268.4
11°	252.6	252.6	252.9	253.7	252.4
12°	236.2	237.7	236.2	236.9	236.2
13°	220.7	221.0	220.7	220.5	219.3
14°	206.0	204.8	205.2	203.8	204.0
15°	187.5	188.6	188.5	188.8	187.5
17.5°	150.7	151.4	151.2	150.9	149.2
20°	119.4	119.4	118.2	117.5	116.5
22.5°	91.1	90.8	90.3	89.8	90.1
25°	68.4	69.3	68.8	68.8	68.4
27.5°	51.7	52.7	51.9	51.4	51.7
30°	39.4	39.7	39.4	39.2	39.2
32.5°	29.7	29.9	29.7	29.7	29.7
35°	22.7	22.7	22.9	22.9	22.7
37.5°	17.5	17.5	17.5	17.5	17.7
40°	13.5	13.7	13.7	13.7	13.7
42.5°	10.7	10.9	10.9	10.9	10.9
45°	8.7	8.7	8.7	8.7	8.7
47.5°	7.0	7.0	7.0	7.0	7.2
50°	5.7	5.8	5.8	5.8	5.8
52.5°	4.8	4.8	4.8	4.8	4.8
55°	4.0	4.0	4.0	4.2	4.2
57.5°	3.3	3.3	3.5	3.5	3.5
60°	2.8	3.0	3.0	3.0	3.0
62.5°	2.5	2.5	2.7	2.7	2.7
65°	2.2	2.2	2.2	2.2	2.2
67.5°	1.8	1.8	1.8	1.8	2.0
70°	1.5	1.5	1.5	1.7	1.7
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.0	1.0	1.0	1.2	1.2
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.3	0.3	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2
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)