

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: P1311041

Luminaire Tested: LDSQA3D02R509040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R509040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

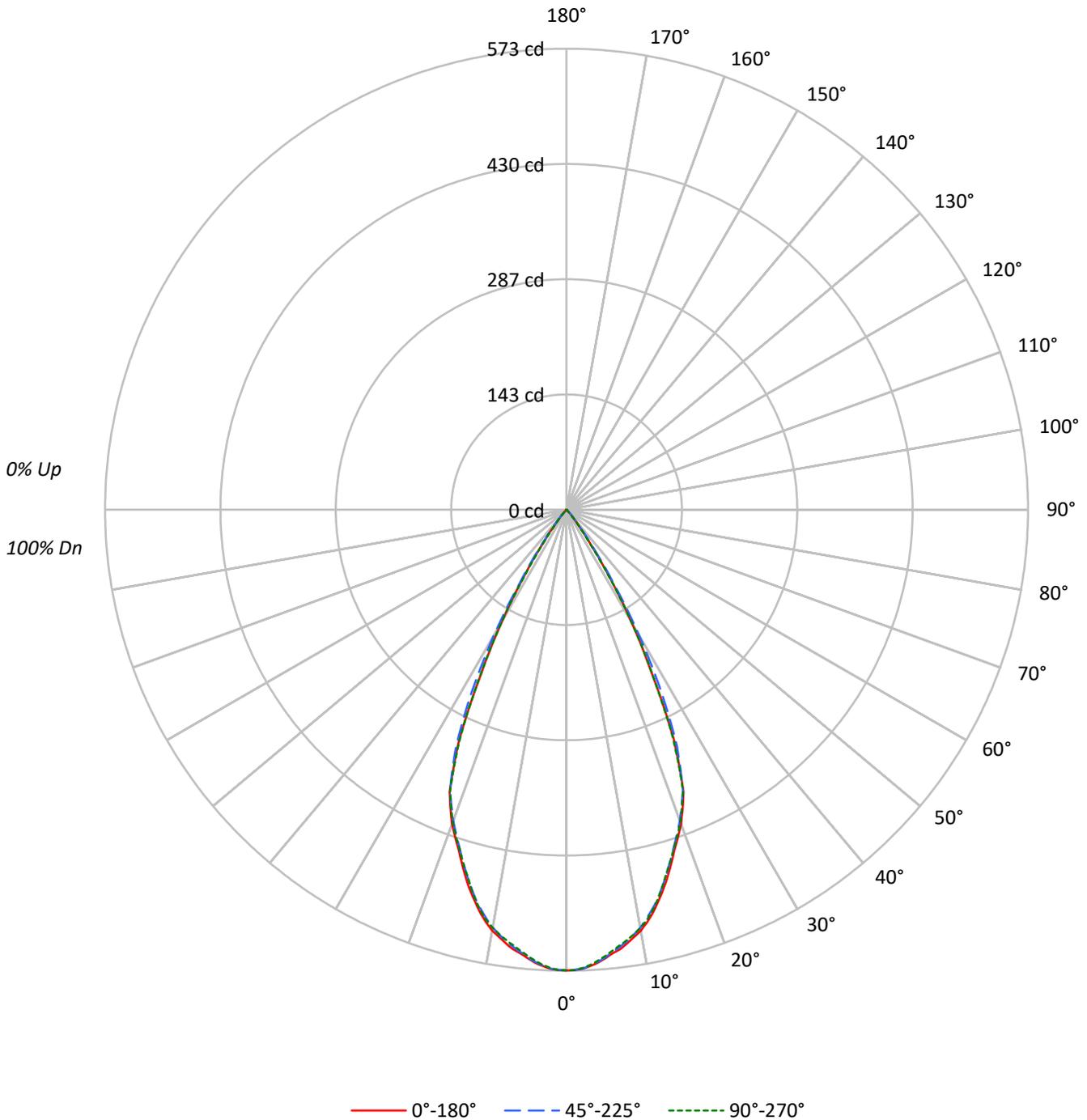
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 369.0 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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	112	109	107	112	109	107	106	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	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	86	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	98615	98615	98615
5°	96675	96502	96225
10°	92896	92249	92301
15°	85280	84478	84388
20°	76188	75363	75748
25°	59877	61626	59383
30°	32037	35895	32137
35°	10470	12215	9860
40°	2585	3237	2473
45°	317	1145	317
50°	214	348	214
55°	240	240	240
60°	172	172	172
65°	204	204	204
70°	151	151	151
75°	200	200	200
80°	298	298	298
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1145 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	14.2
10°-20°	132.4	35.9
20°-30°	139.3	37.7
30°-40°	40.1	10.9
40°-50°	3.3	0.9
50°-60°	0.7	0.2
60°-70°	0.5	0.1
70°-80°	0.3	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°	324.0	87.8
0°-40°	364.2	98.7
0°-60°	368.1	99.8
0°-90°	369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	369.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	573	573	573	573	573	
5°	559	559	558	559	557	53
15°	478	475	474	474	473	133
25°	315	323	324	321	312	137
35°	50	52	58	50	47	38
45°	1	3	5	3	1	2
55°	1	1	1	1	1	1
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°	572.6	572.6	572.6	572.6	572.6
1°	572.3	572.8	571.8	573.6	572.1
2°	571.0	571.3	570.8	572.1	570.0
3°	567.9	568.4	567.3	568.4	566.6
4°	564.2	564.2	563.2	563.9	561.6
5°	559.2	559.0	558.2	558.7	556.6
6°	554.0	553.7	552.4	552.4	550.8
7°	550.1	548.2	547.2	546.9	545.3
8°	543.8	543.3	541.2	541.2	540.1
9°	537.5	537.0	534.6	535.1	534.3
10°	531.2	529.4	527.5	527.8	527.8
11°	522.8	521.2	518.6	519.7	520.2
12°	512.9	511.0	508.7	510.8	510.5
13°	501.9	500.3	498.5	500.0	499.5
14°	490.3	488.0	486.4	487.5	486.9
15°	478.3	475.1	473.8	473.8	473.3
17.5°	444.5	442.7	441.4	440.6	442.4
20°	415.7	414.1	411.2	412.0	413.3
22.5°	379.5	379.3	377.7	376.4	378.0
25°	315.1	323.0	324.3	320.6	312.5
27.5°	228.9	247.3	253.8	245.2	230.2
30°	161.1	169.7	180.5	163.4	161.6
32.5°	97.2	99.5	109.5	97.7	95.1
35°	49.8	51.6	58.1	49.8	46.9
37.5°	23.3	24.4	27.0	23.3	21.7
40°	11.5	12.8	14.4	12.0	11.0
42.5°	5.0	6.5	8.4	6.3	4.5
45°	1.3	2.6	4.7	2.6	1.3
47.5°	0.8	1.0	2.6	1.0	0.8
50°	0.8	0.8	1.3	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.5	0.8	0.5	0.8	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.3	0.0	0.3	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)