

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: P1309905

Luminaire Tested: LDSQA3D02R409035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409035DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

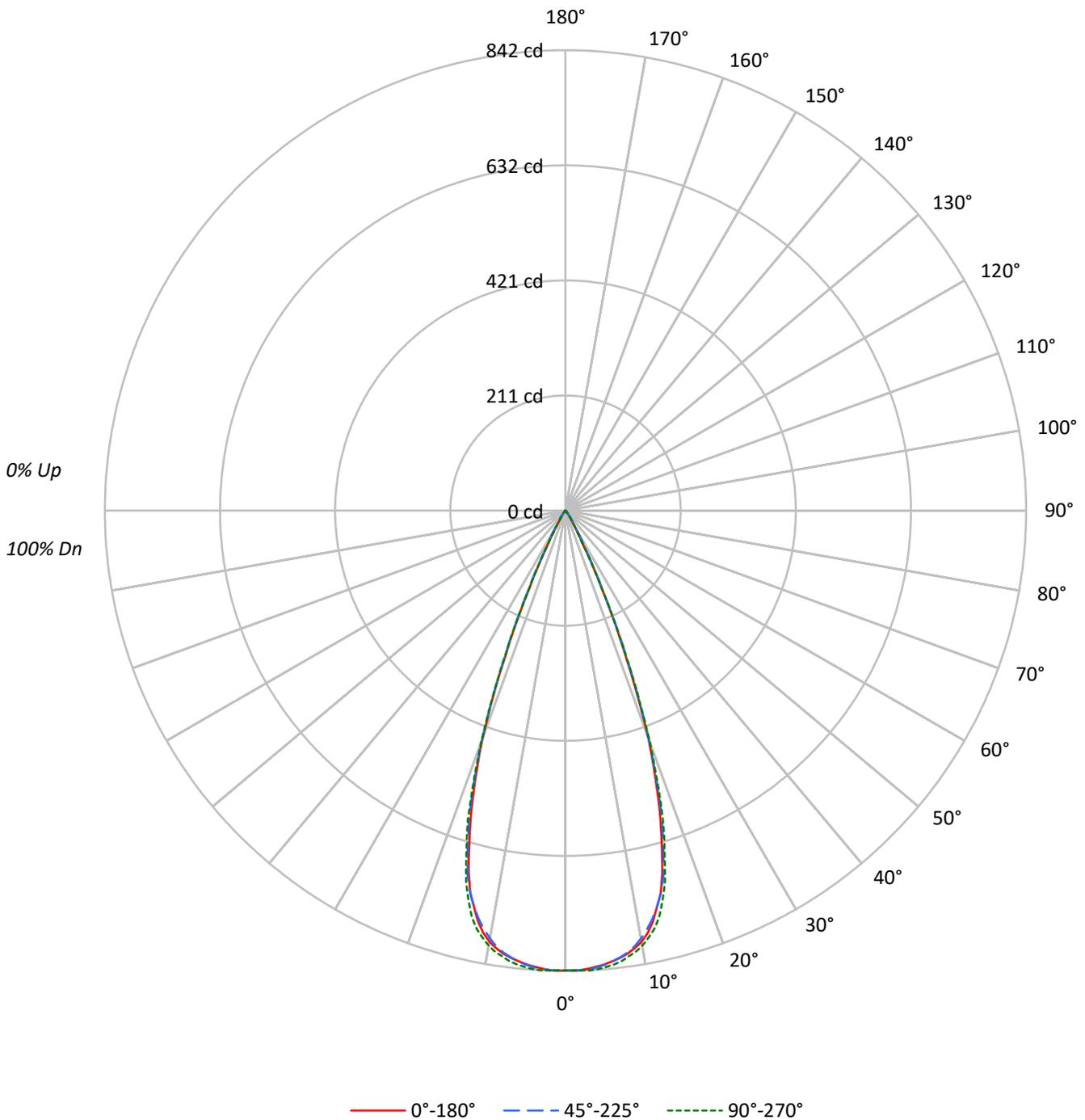
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 356.1 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	72	70	76	72	69	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	144874	144874	144874
5°	143906	144113	144908
10°	140008	138959	141285
15°	121991	123240	125165
20°	81264	81668	82456
25°	29549	30442	29682
30°	6264	8412	6264
35°	2208	3742	2102
40°	787	1192	787
45°	195	487	195
50°	134	214	134
55°	150	150	150
60°	172	172	172
65°	122	204	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 487 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	22.1
10°-20°	183.2	51.4
20°-30°	82.4	23.1
30°-40°	9.4	2.6
40°-50°	1.4	0.4
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.3	0.1
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°	344.2	96.7
0°-40°	353.6	99.3
0°-60°	355.4	99.8
0°-90°	356.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	356.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	841	841	841	841	841	
5°	832	831	834	837	838	79
15°	684	686	691	697	702	182
25°	156	156	160	160	156	80
35°	10	12	18	11	10	8
45°	1	1	2	1	1	1
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°	841.2	841.2	841.2	841.2	841.2
1°	841.7	840.9	840.7	842.2	840.9
2°	840.9	840.4	840.7	842.2	841.2
3°	838.7	838.9	839.7	842.4	842.2
4°	835.9	835.6	837.1	840.7	840.7
5°	832.4	831.4	833.6	837.4	838.2
6°	828.4	827.1	828.9	833.6	835.4
7°	823.9	821.4	822.9	828.6	830.9
8°	817.9	814.6	816.4	822.1	823.9
9°	810.4	805.4	806.9	813.9	817.4
10°	800.6	794.3	794.6	802.4	807.9
11°	786.8	779.8	780.1	789.8	795.6
12°	768.6	762.3	763.5	772.6	781.8
13°	743.8	742.0	743.5	753.3	761.8
14°	719.7	718.0	720.7	729.8	733.8
15°	684.2	685.9	691.2	696.7	702.0
17.5°	571.5	578.3	584.6	588.3	592.8
20°	443.4	435.6	445.6	441.1	449.9
22.5°	286.1	291.9	294.4	291.9	292.9
25°	155.5	156.5	160.2	160.2	156.2
27.5°	66.1	71.3	76.1	74.4	66.1
30°	31.5	36.3	42.3	36.6	31.5
32.5°	17.8	21.0	27.3	20.5	17.3
35°	10.5	11.8	17.8	11.3	10.0
37.5°	6.3	6.5	9.8	6.8	6.0
40°	3.5	4.3	5.3	4.3	3.5
42.5°	1.8	2.5	3.3	2.5	1.8
45°	0.8	1.3	2.0	1.3	0.8
47.5°	0.8	0.8	1.3	0.8	0.8
50°	0.5	0.5	0.8	0.5	0.5
52.5°	0.5	0.5	0.5	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°	0.5	0.5	0.5	0.5	0.5
65°	0.3	0.5	0.5	0.5	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°	0.3	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°	0.0	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)