

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: P1315160

Luminaire Tested: LDSQA3D02R409735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409735DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

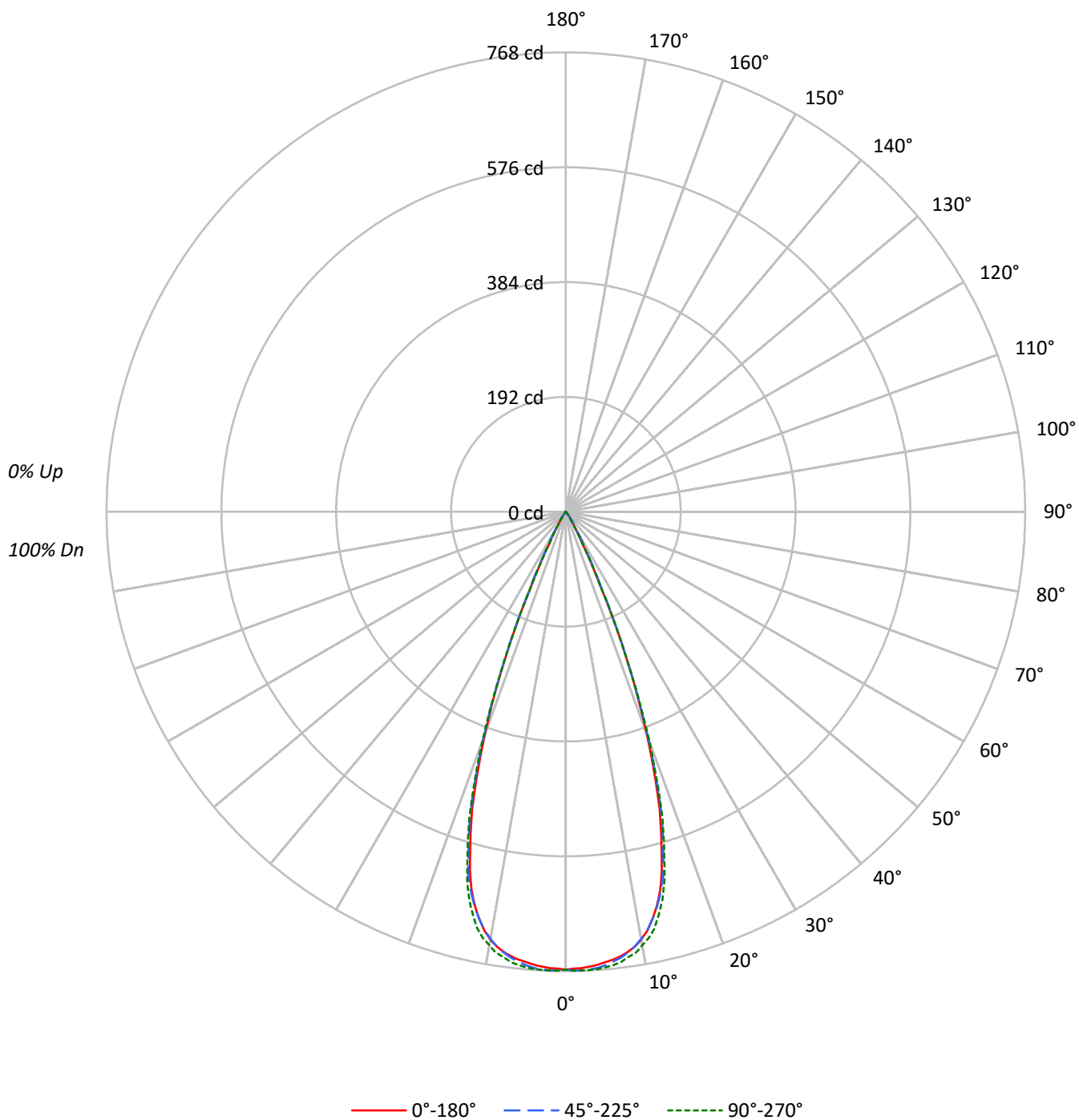
Lumens per Lamp: N/A
Luminaire Lumens: 322.0 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (Ain): 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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	131871	131871	131871
5°	130732	131562	132184
10°	127015	126770	128746
15°	110491	112274	113647
20°	72522	73933	74886
25°	25844	27364	25730
30°	5628	7617	5688
35°	1808	3154	1766
40°	562	967	517
45°	49	341	49
50°	0	54	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: 341 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	22.2
10°-20°	166.8	51.8
20°-30°	74.8	23.2
30°-40°	8.1	2.5
40°-50°	0.8	0.2
50°-60°	0.0	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°	313.2	97.3
0°-40°	321.2	99.8
0°-60°	322.0	100.0
0°-90°	322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	322.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	766	766	766	766	766	
5°	756	758	761	762	765	71
15°	620	624	630	633	637	165
25°	136	140	144	146	135	73
35°	9	10	15	10	8	7
45°	0	0	1	0	0	0
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	765.7	765.7	765.7	765.7	765.7
1°	764.1	765.7	767.1	766.0	767.5
2°	763.5	765.3	767.3	766.2	767.5
3°	761.6	763.9	766.2	765.5	766.9
4°	759.1	761.0	764.4	764.4	766.4
5°	756.2	758.2	761.0	762.1	764.6
6°	753.0	754.2	756.2	758.5	761.9
7°	748.9	748.9	751.4	753.7	758.2
8°	743.3	742.8	744.6	747.6	751.7
9°	736.2	734.7	736.0	740.3	746.5
10°	726.3	724.9	724.9	730.4	736.2
11°	713.3	712.9	713.1	718.3	726.3
12°	695.9	696.3	696.3	702.2	712.0
13°	676.2	675.9	678.0	684.5	691.1
14°	652.1	653.5	655.5	661.4	668.2
15°	619.7	624.2	629.7	633.3	637.4
17.5°	521.1	525.6	533.1	536.0	536.9
20°	395.7	402.2	403.4	409.3	408.6
22.5°	265.3	264.8	265.7	266.4	266.7
25°	136.0	140.1	144.0	146.5	135.4
27.5°	59.2	66.2	71.2	64.6	59.9
30°	28.3	32.2	38.3	32.4	28.6
32.5°	15.4	17.9	24.3	17.7	15.2
35°	8.6	10.0	15.0	9.8	8.4
37.5°	5.0	5.4	8.2	5.4	4.8
40°	2.5	3.2	4.3	3.2	2.3
42.5°	0.9	1.6	2.3	1.6	0.9
45°	0.2	0.5	1.4	0.5	0.2
47.5°	0.0	0.0	0.7	0.0	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	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)