

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: P1318828

Luminaire Tested: LDSQA3D02R409835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318828
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: LDSQA3D02R409835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

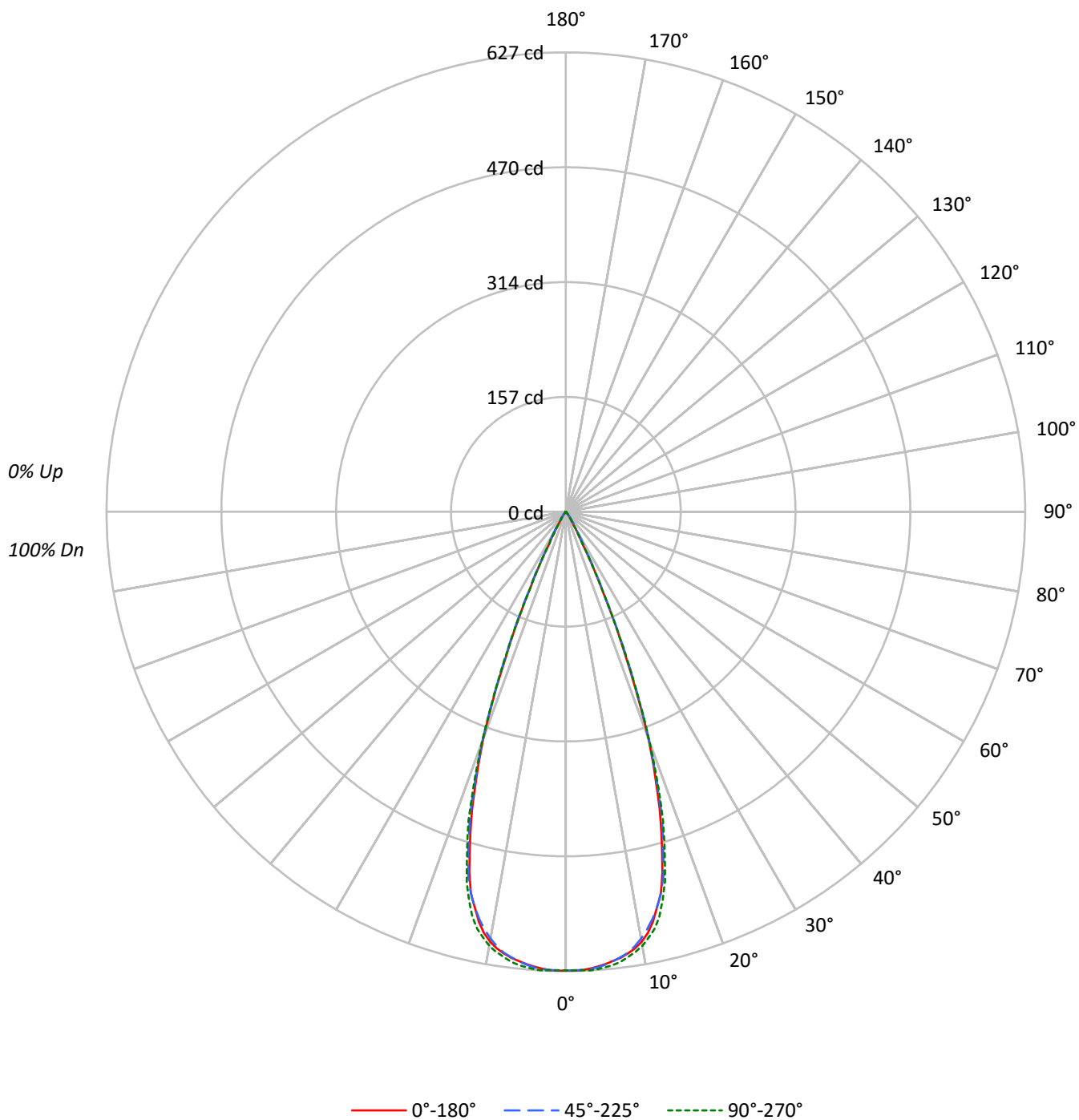
Lumens per Lamp: N/A
Luminaire Lumens: 265.1 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P1318828

CATALOG NUMBER: LDSQA3D02R409835DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1318828

CATALOG NUMBER: LDSQA3D02R409835DE010 3LSQCDR1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	100		
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88		
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	85		
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82		
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79		
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76		
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	73		
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	71		
10	84	77	73	70	84	77	72	70	76	72	69	75	72	69	75	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	107829	107829	107829
5°	107117	107272	107860
10°	104228	103441	105173
15°	90807	91734	93161
20°	60481	60792	61379
25°	21986	22670	22100
30°	4673	6264	4673
35°	1640	2775	1577
40°	585	877	585
45°	146	365	146
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	163	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 365 cd/sqm

TEST NUMBER: P1318828

CATALOG NUMBER: LDSQA3D02R409835DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	22.1
10°-20°	136.3	51.4
20°-30°	61.4	23.2
30°-40°	7.0	2.6
40°-50°	1.0	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	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°	256.2	96.7
0°-40°	263.2	99.3
0°-60°	264.6	99.8
0°-90°	265.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	626	626	626	626	626	
5°	620	619	620	623	624	58
15°	509	511	514	519	522	135
25°	116	116	119	119	116	60
35°	8	9	13	8	8	6
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	

TEST NUMBER: P1318828

CATALOG NUMBER: LDSQA3D02R409835DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	626.1	626.1	626.1	626.1	626.1
1°	626.5	626.0	625.8	626.9	626.0
2°	626.0	625.6	625.8	626.9	626.1
3°	624.3	624.5	625.0	627.1	626.9
4°	622.2	622.0	623.2	625.8	625.8
5°	619.6	618.9	620.5	623.3	623.9
6°	616.6	615.7	617.0	620.5	621.9
7°	613.3	611.4	612.5	616.8	618.5
8°	608.8	606.4	607.7	612.0	613.3
9°	603.2	599.5	600.6	605.8	608.4
10°	596.0	591.3	591.5	597.3	601.4
11°	585.7	580.5	580.7	587.9	592.2
12°	572.1	567.4	568.4	575.1	582.0
13°	553.6	552.3	553.5	560.7	567.1
14°	535.8	534.5	536.5	543.2	546.2
15°	509.3	510.6	514.5	518.6	522.5
17.5°	425.4	430.5	435.1	437.9	441.3
20°	330.0	324.3	331.7	328.4	334.9
22.5°	213.0	217.3	219.1	217.3	218.0
25°	115.7	116.5	119.3	119.3	116.3
27.5°	49.2	53.1	56.7	55.3	49.2
30°	23.5	27.0	31.5	27.2	23.5
32.5°	13.2	15.7	20.3	15.3	12.9
35°	7.8	8.8	13.2	8.4	7.5
37.5°	4.7	4.8	7.3	5.0	4.5
40°	2.6	3.2	3.9	3.2	2.6
42.5°	1.3	1.9	2.4	1.9	1.3
45°	0.6	0.9	1.5	0.9	0.6
47.5°	0.6	0.6	0.9	0.6	0.6
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.4	0.4	0.4	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	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°	0.0	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



TEST NUMBER: P1318828

CATALOG NUMBER: LDSQA3D02R409835DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)