

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: P1311022

Luminaire Tested: LDSQA3D02R409040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311022
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: LDSQA3D02R409040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

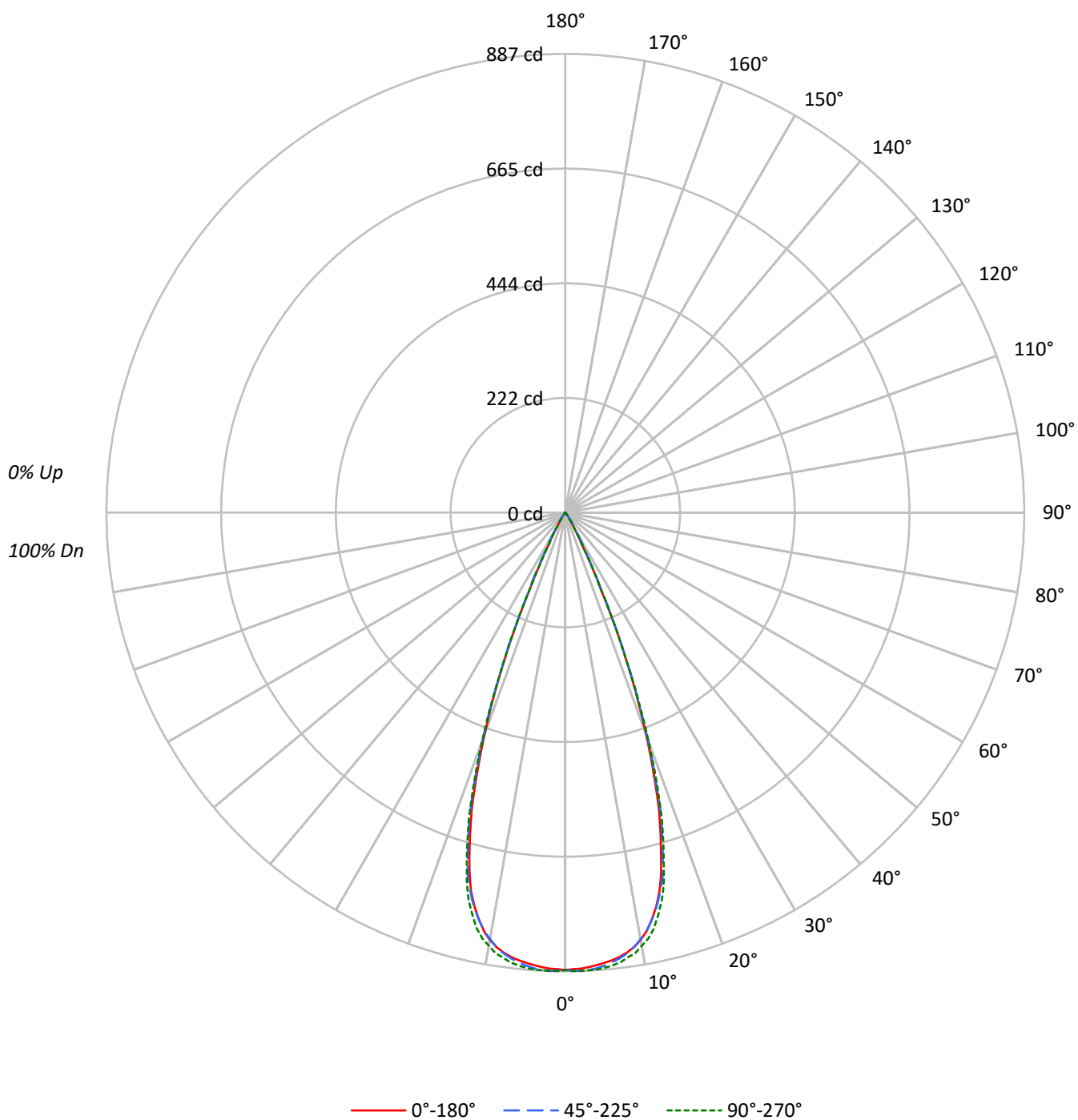
Lumens per Lamp: N/A
Luminaire Lumens: 372.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1311022

CATALOG NUMBER: LDSQA3D02R409040DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1311022

CATALOG NUMBER: LDSQA3D02R409040DE010 3LSQCDR1MMS

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	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°	152348	152348	152348
5°	151028	151979	152705
10°	146724	146462	148752
15°	127644	129712	131299
20°	83775	85406	86506
25°	29872	31601	29720
30°	6503	8810	6563
35°	2102	3637	2039
40°	652	1124	585
45°	73	390	73
50°	0	80	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: 390 cd/sqm

TEST NUMBER: P1311022

CATALOG NUMBER: LDSQA3D02R409040DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	22.2
10°-20°	192.7	51.8
20°-30°	86.4	23.2
30°-40°	9.3	2.5
40°-50°	0.9	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°	361.8	97.3
0°-40°	371.1	99.8
0°-60°	372.0	100.0
0°-90°	372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	372.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	885	885	885	885	885	
5°	874	876	879	880	883	82
15°	716	721	728	732	736	190
25°	157	162	166	169	156	84
35°	10	12	17	11	10	8
45°	0	0	2	0	0	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: P1311022

CATALOG NUMBER: LDSQA3D02R409040DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	884.6	884.6	884.6	884.6	884.6
1°	882.8	884.6	886.2	884.9	886.7
2°	882.0	884.1	886.5	885.2	886.7
3°	879.9	882.5	885.2	884.4	885.9
4°	877.0	879.1	883.1	883.1	885.4
5°	873.6	876.0	879.1	880.4	883.3
6°	870.0	871.3	873.6	876.2	880.2
7°	865.2	865.2	868.1	870.7	876.0
8°	858.7	858.2	860.3	863.7	868.4
9°	850.6	848.7	850.3	855.3	862.4
10°	839.0	837.5	837.5	843.8	850.6
11°	824.1	823.6	823.9	829.9	839.0
12°	803.9	804.5	804.5	811.3	822.5
13°	781.2	780.9	783.2	790.8	798.4
14°	753.4	755.0	757.3	764.1	772.0
15°	715.9	721.2	727.5	731.6	736.4
17.5°	602.0	607.2	615.9	619.3	620.3
20°	457.1	464.7	466.0	472.8	472.0
22.5°	306.5	306.0	307.0	307.8	308.1
25°	157.2	161.9	166.3	169.2	156.4
27.5°	68.4	76.5	82.3	74.7	69.2
30°	32.7	37.2	44.3	37.5	33.0
32.5°	17.8	20.7	28.0	20.4	17.6
35°	10.0	11.5	17.3	11.3	9.7
37.5°	5.8	6.3	9.4	6.3	5.5
40°	2.9	3.7	5.0	3.7	2.6
42.5°	1.0	1.8	2.6	1.8	1.0
45°	0.3	0.5	1.6	0.5	0.3
47.5°	0.0	0.0	0.8	0.0	0.0
50°	0.0	0.0	0.3	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



TEST NUMBER: P1311022

CATALOG NUMBER: LDSQA3D02R409040DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)