

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: P1307669

Luminaire Tested: LDSQA3D02R409027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307669
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: LDSQA3D02R409027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

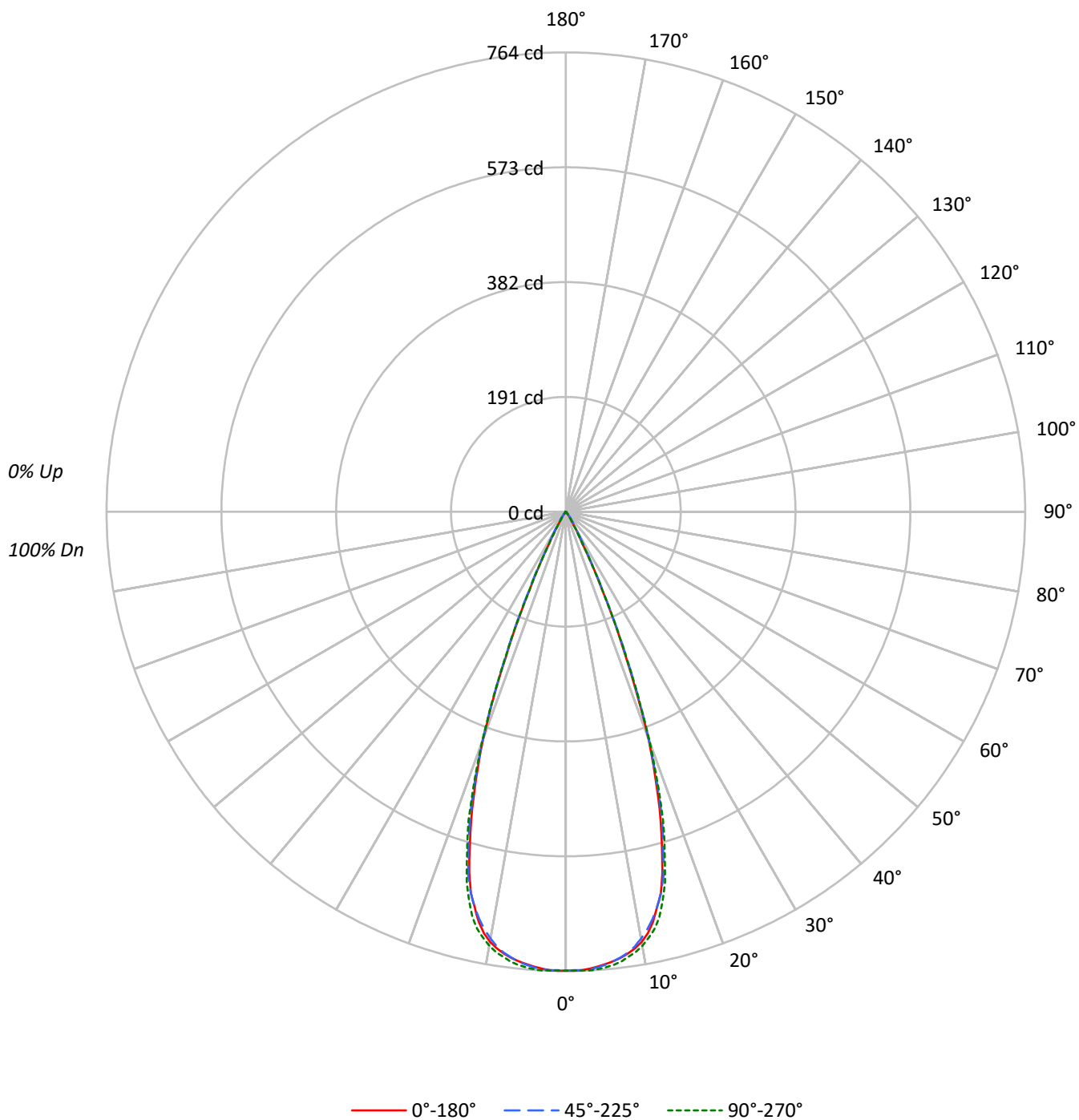
Lumens per Lamp: N/A
Luminaire Lumens: 323.0 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307669

CATALOG NUMBER: LDSQA3D02R409027DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307669

CATALOG NUMBER: LDSQA3D02R409027DE010 3LSQCDR1MW

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	0
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°	131440	131440	131440
5°	130559	130767	131476
10°	127032	126071	128187
15°	110687	111811	113558
20°	73732	74098	74813
25°	26813	27630	26927
30°	5688	7636	5688
35°	1997	3385	1913
40°	719	1079	719
45°	170	438	170
50°	134	188	134
55°	150	150	150
60°	172	172	172
65°	82	204	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: 438 cd/sqm

TEST NUMBER: P1307669

CATALOG NUMBER: LDSQA3D02R409027DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	22.1
10°-20°	166.2	51.4
20°-30°	74.8	23.2
30°-40°	8.5	2.6
40°-50°	1.2	0.4
50°-60°	0.5	0.1
60°-70°	0.4	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°	312.3	96.7
0°-40°	320.8	99.3
0°-60°	322.5	99.8
0°-90°	323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	323.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	763	763	763	763	763	
5°	755	754	756	760	760	71
15°	621	622	627	632	637	165
25°	141	142	145	145	142	73
35°	10	11	16	10	9	7
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: P1307669

CATALOG NUMBER: LDSQA3D02R409027DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	763.2	763.2	763.2	763.2	763.2
1°	763.6	763.0	762.7	764.1	763.0
2°	763.0	762.5	762.7	764.1	763.2
3°	760.9	761.1	761.8	764.3	764.1
4°	758.4	758.2	759.5	762.7	762.7
5°	755.2	754.3	756.4	759.8	760.5
6°	751.6	750.5	752.1	756.4	758.0
7°	747.5	745.2	746.6	751.8	753.9
8°	742.1	739.1	740.7	745.9	747.5
9°	735.2	730.7	732.1	738.4	741.6
10°	726.4	720.7	720.9	728.0	733.0
11°	713.9	707.5	707.8	716.6	721.8
12°	697.3	691.6	692.8	700.9	709.4
13°	674.8	673.2	674.6	683.5	691.2
14°	653.0	651.4	653.9	662.1	665.7
15°	620.8	622.4	627.1	632.1	636.9
17.5°	518.6	524.7	530.4	533.8	537.9
20°	402.3	395.2	404.3	400.2	408.2
22.5°	259.6	264.8	267.1	264.8	265.8
25°	141.1	142.0	145.4	145.4	141.7
27.5°	60.0	64.7	69.0	67.5	60.0
30°	28.6	32.9	38.4	33.2	28.6
32.5°	16.1	19.1	24.8	18.6	15.7
35°	9.5	10.7	16.1	10.2	9.1
37.5°	5.7	5.9	8.9	6.1	5.5
40°	3.2	3.9	4.8	3.9	3.2
42.5°	1.6	2.3	3.0	2.3	1.6
45°	0.7	1.1	1.8	1.1	0.7
47.5°	0.7	0.7	1.1	0.7	0.7
50°	0.5	0.5	0.7	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°	0.2	0.5	0.5	0.5	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: P1307669

CATALOG NUMBER: LDSQA3D02R409027DE010 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)