

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: P1307951

Luminaire Tested: LDSQA3D09R259027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259027DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

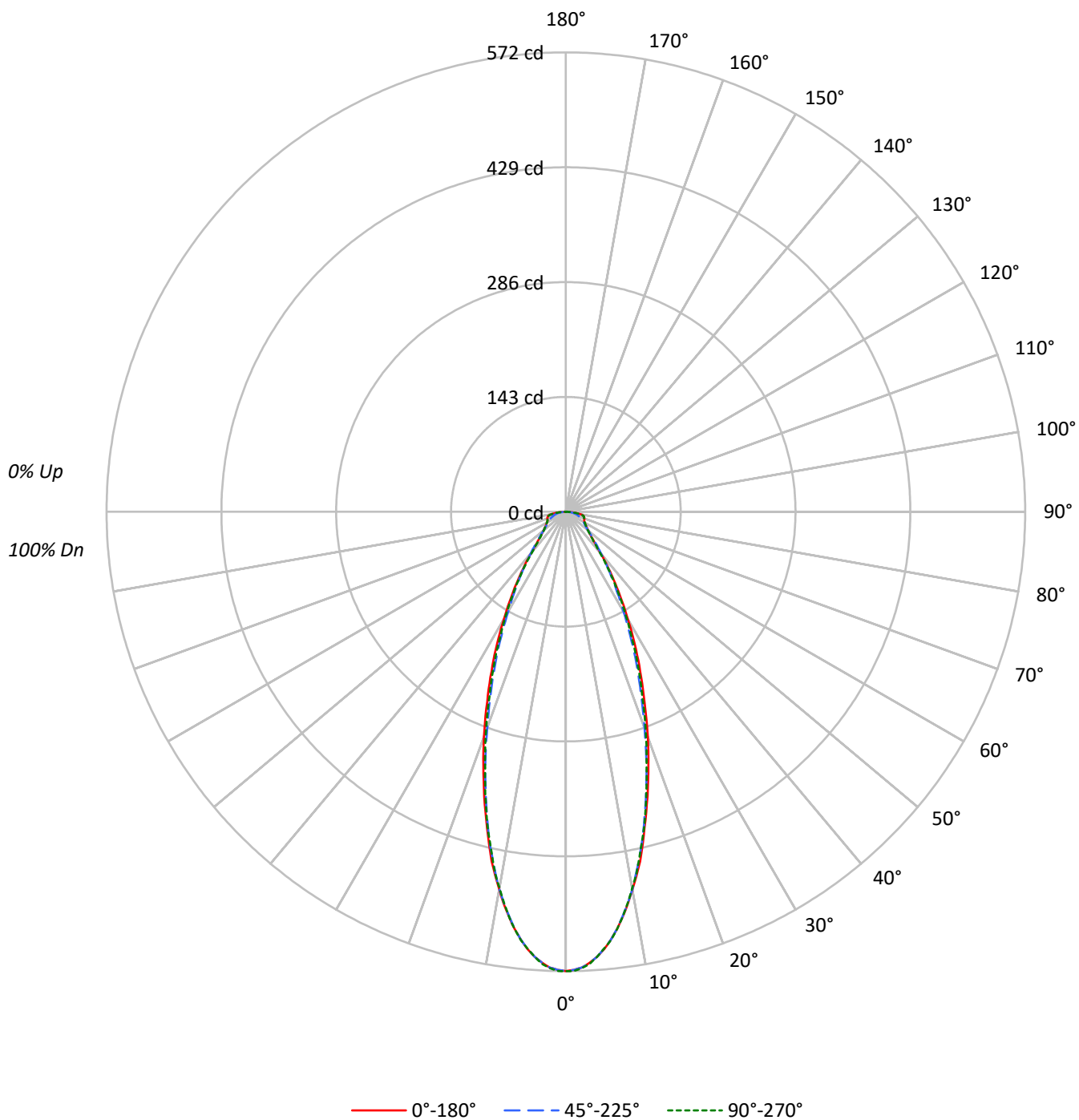
Lumens per Lamp: N/A
Luminaire Lumens: 432.0 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1307951

CATALOG NUMBER: LDSQA3D09R259027DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307951

CATALOG NUMBER: LDSQA3D09R259027DE010 3LSQPHRLP1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	98511	98511	98511
5°	94514	94410	94410
10°	83557	83435	83208
15°	69001	68039	68395
20°	54671	52417	53297
25°	41635	39431	40476
30°	30685	28497	29730
35°	21950	20961	21235
40°	15041	15355	14568
45°	11131	11813	10985
50°	9699	9699	9512
55°	9218	8828	9218
60°	9403	8714	9403
65°	10310	8884	10310
70°	12387	8913	12035
75°	15438	9515	15438
80°	19637	10116	18249
85°	16203	9485	16203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 19637 cd/sqm

TEST NUMBER: P1307951

CATALOG NUMBER: LDSQA3D09R259027DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	11.6
10°-20°	106.1	24.6
20°-30°	97.2	22.5
30°-40°	64.1	14.8
40°-50°	37.3	8.6
50°-60°	27.3	6.3
60°-70°	23.1	5.4
70°-80°	19.1	4.4
80°-90°	7.9	1.8
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°	253.2	58.6
0°-40°	317.3	73.4
0°-60°	381.8	88.4
0°-90°	432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	432.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	547	546	546	547	546	50
15°	387	386	382	383	384	107
25°	219	213	208	208	213	101
35°	104	102	100	100	101	66
45°	46	47	48	46	45	37
55°	31	31	29	30	31	28
65°	25	23	22	23	25	25
75°	23	18	14	18	23	24
85°	8	9	5	9	8	9
90°	0	0	0	0	0	

TEST NUMBER: P1307951

CATALOG NUMBER: LDSQA3D09R259027DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	572.0	572.0	572.0	572.0	572.0
1°	570.6	570.6	570.6	570.6	572.0
2°	567.9	567.2	567.9	567.9	568.6
3°	562.4	562.4	562.4	562.4	563.8
4°	555.6	555.6	555.6	555.6	555.6
5°	546.7	546.1	546.1	546.7	546.1
6°	535.8	535.8	535.8	535.8	536.5
7°	523.5	522.9	522.9	522.2	523.5
8°	509.2	509.2	508.5	507.8	509.2
9°	494.2	494.9	493.5	492.8	492.8
10°	477.8	477.1	477.1	477.1	475.8
11°	461.4	459.4	458.7	458.7	460.1
12°	445.0	441.6	440.3	440.3	440.3
13°	425.2	423.9	421.8	420.5	421.2
14°	405.5	405.5	402.0	402.0	403.4
15°	387.0	385.7	381.6	382.9	383.6
17.5°	341.3	338.6	333.8	333.8	334.5
20°	298.3	293.5	286.0	289.4	290.8
22.5°	256.0	251.2	243.7	247.1	248.5
25°	219.1	213.0	207.5	208.2	213.0
27.5°	185.7	178.8	173.4	175.4	178.2
30°	154.3	150.2	143.3	146.8	149.5
32.5°	127.6	124.2	119.5	121.5	124.2
35°	104.4	102.4	99.7	99.7	101.0
37.5°	84.6	84.0	82.6	81.9	81.2
40°	66.9	68.3	68.3	66.9	64.8
42.5°	54.6	56.0	57.3	54.6	52.6
45°	45.7	47.1	48.5	45.7	45.1
47.5°	40.3	41.0	41.6	40.3	39.6
50°	36.2	36.2	36.2	35.5	35.5
52.5°	33.4	32.8	32.1	32.8	32.8
55°	30.7	30.7	29.4	30.0	30.7
57.5°	28.7	28.0	27.3	28.0	28.7
60°	27.3	25.9	25.3	25.9	27.3
62.5°	25.9	24.6	23.2	24.6	25.9
65°	25.3	23.2	21.8	23.2	25.3
67.5°	24.6	21.8	19.8	21.8	24.6
70°	24.6	20.5	17.7	20.5	23.9
72.5°	23.9	19.1	16.4	19.1	23.9
75°	23.2	17.7	14.3	17.7	23.2
77.5°	22.5	16.4	12.3	16.4	21.8
80°	19.8	15.0	10.2	15.0	18.4
82.5°	14.3	12.3	8.2	12.3	13.7
85°	8.2	8.9	4.8	8.9	8.2
87.5°	1.4	2.0	1.4	3.4	2.7



TEST NUMBER: P1307951
CATALOG NUMBER: LDSQA3D09R259027DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)