

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: P1326157

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

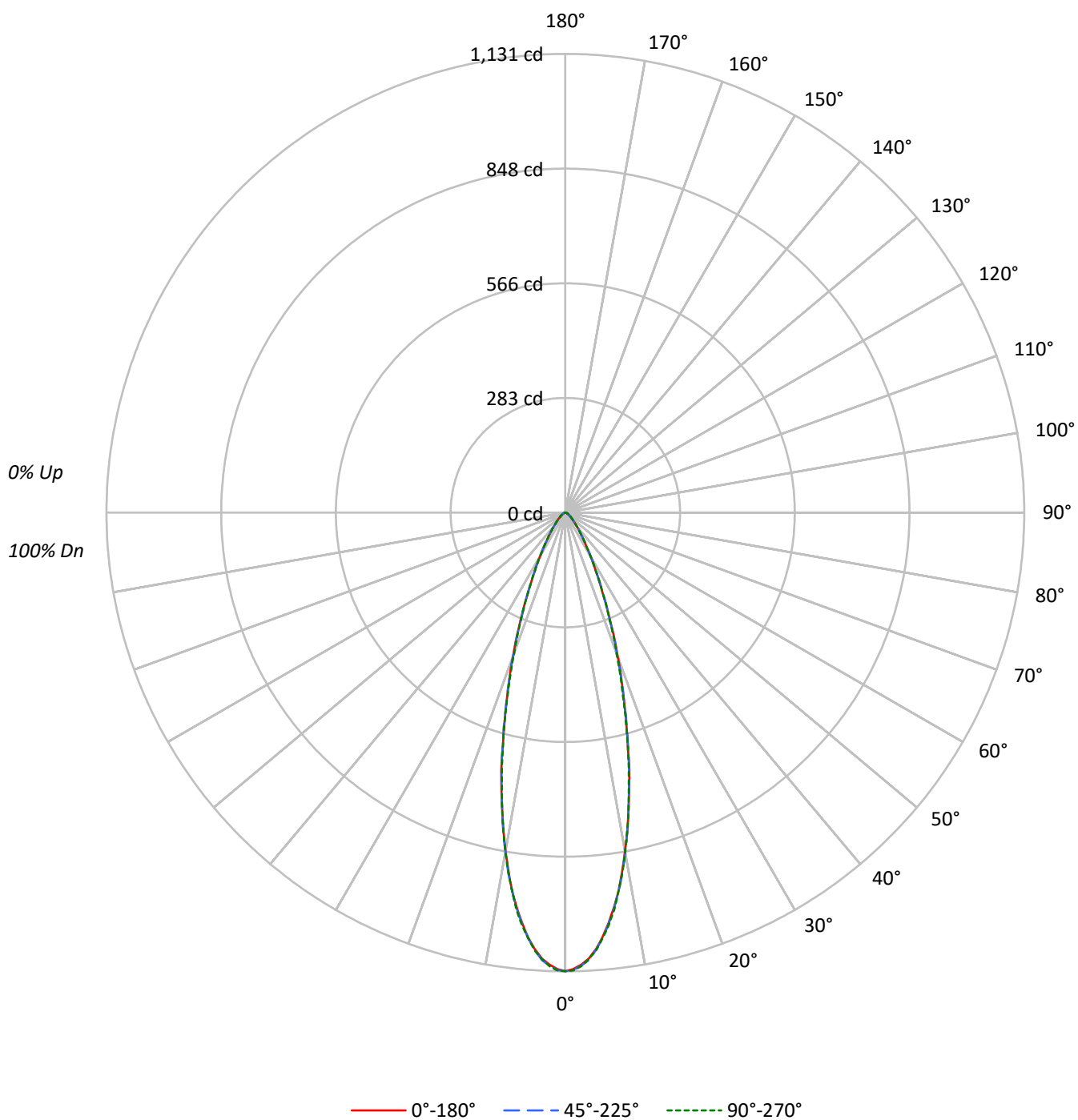
Lumens per Lamp: N/A
Luminaire Lumens: 453.0 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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					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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	90	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	85	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	80	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	76	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	73	78	75	72	72	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	69	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	66	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	194715	194715	194715
5°	181732	181922	182009
10°	148245	148700	148700
15°	105873	106444	105873
20°	69296	68618	67647
25°	41198	41407	41198
30°	24818	24818	24719
35°	15117	15222	15117
40°	9622	9757	9757
45°	6698	6698	6698
50°	4823	4957	4957
55°	3813	3813	3963
60°	3100	3272	3272
65°	2812	2812	2812
70°	2417	2417	2669
75°	2129	2129	2462
80°	2083	2083	2083
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6698 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.0	20.7
10°-20°	163.8	36.2
20°-30°	103.0	22.7
30°-40°	47.1	10.4
40°-50°	22.0	4.9
50°-60°	11.8	2.6
60°-70°	7.0	1.5
70°-80°	3.6	0.8
80°-90°	0.8	0.2
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°	360.7	79.6
0°-40°	407.8	90.0
0°-60°	441.6	97.5
0°-90°	453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	453.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1131	1131	1131	1131	1131	
5°	1051	1053	1052	1053	1053	94
15°	594	598	597	598	594	164
25°	217	220	218	218	217	103
35°	72	72	72	72	72	47
45°	28	28	28	28	28	22
55°	13	13	13	13	13	12
65°	7	7	7	7	7	7
75°	3	3	3	4	4	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1130.6	1130.6	1130.6	1130.6	1130.6
1°	1125.8	1126.9	1127.9	1129.5	1129.0
2°	1115.2	1117.3	1117.9	1120.0	1119.5
3°	1101.0	1100.4	1104.7	1104.7	1102.0
4°	1078.7	1079.8	1080.9	1081.9	1082.4
5°	1051.2	1053.4	1052.3	1053.4	1052.8
6°	1017.4	1020.6	1020.0	1021.1	1022.7
7°	981.4	983.6	983.6	982.5	986.7
8°	942.3	940.7	943.4	942.3	941.8
9°	895.8	899.0	899.5	896.8	897.9
10°	847.7	849.8	850.3	851.9	850.3
11°	800.1	800.1	801.1	803.8	799.5
12°	748.2	753.0	748.2	750.4	748.2
13°	699.1	700.1	699.1	698.5	694.8
14°	652.5	648.8	649.9	645.7	646.2
15°	593.8	597.5	597.0	598.1	593.8
17.5°	477.5	479.6	479.1	478.0	472.7
20°	378.1	378.1	374.4	372.3	369.1
22.5°	288.7	287.7	286.1	284.5	285.5
25°	216.8	219.5	217.9	217.9	216.8
27.5°	163.9	167.1	164.5	162.9	163.9
30°	124.8	125.9	124.8	124.3	124.3
32.5°	94.1	94.7	94.1	94.1	94.1
35°	71.9	71.9	72.4	72.4	71.9
37.5°	55.5	55.5	55.5	55.5	56.1
40°	42.8	43.4	43.4	43.4	43.4
42.5°	33.8	34.4	34.4	34.4	34.4
45°	27.5	27.5	27.5	27.5	27.5
47.5°	22.2	22.2	22.2	22.2	22.7
50°	18.0	18.5	18.5	18.5	18.5
52.5°	15.3	15.3	15.3	15.3	15.3
55°	12.7	12.7	12.7	13.2	13.2
57.5°	10.6	10.6	11.1	11.1	11.1
60°	9.0	9.5	9.5	9.5	9.5
62.5°	7.9	7.9	8.5	8.5	8.5
65°	6.9	6.9	6.9	6.9	6.9
67.5°	5.8	5.8	5.8	5.8	6.3
70°	4.8	4.8	4.8	5.3	5.3
72.5°	4.2	4.2	4.2	4.2	4.2
75°	3.2	3.2	3.2	3.7	3.7
77.5°	2.6	2.6	2.6	2.6	2.6
80°	2.1	2.1	2.1	2.1	2.1
82.5°	1.1	1.1	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	0.5
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)