

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: P1325806

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQPHRL1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R15W2N902750DE010 3LSQPHRL1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

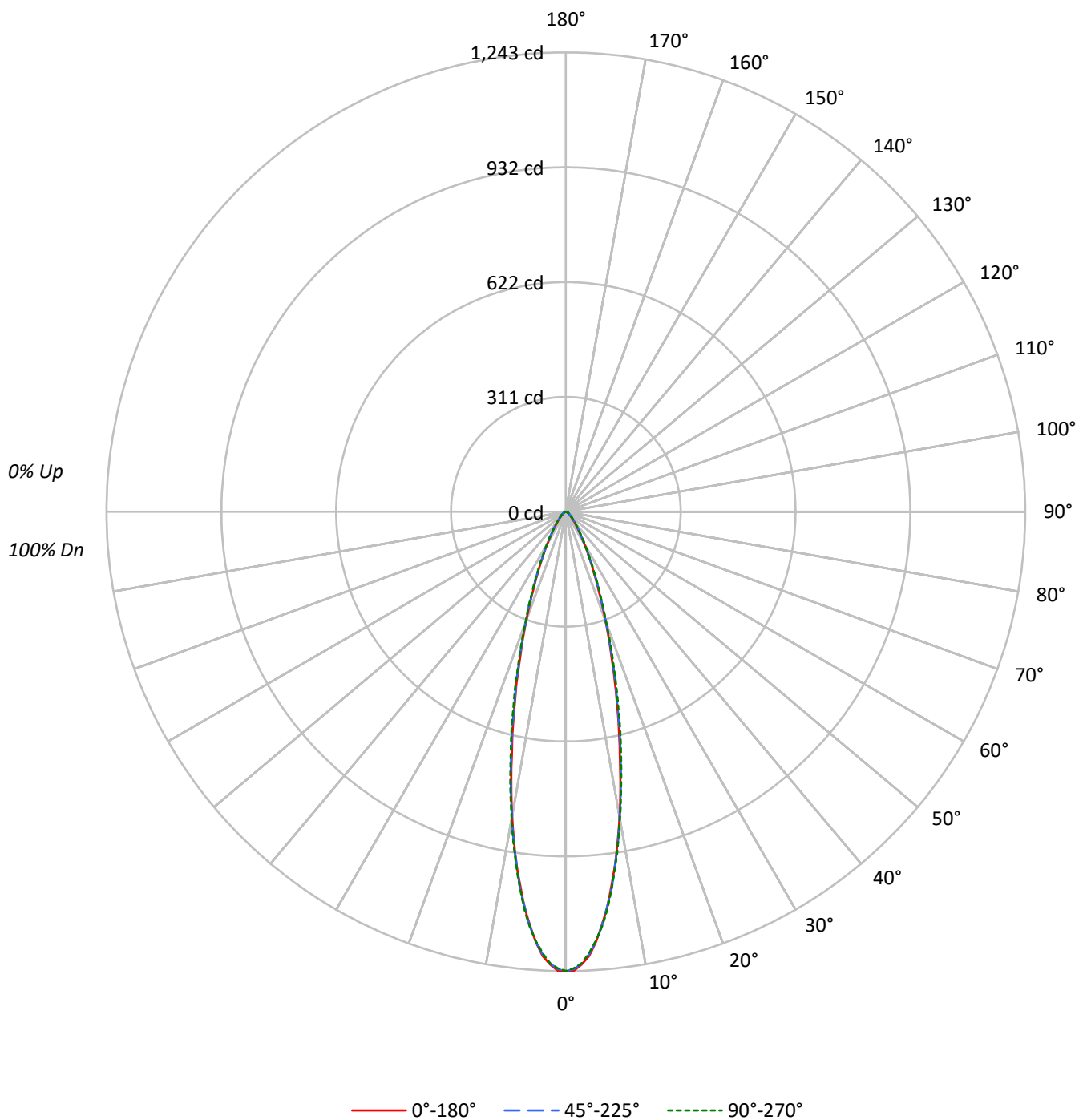
Lumens per Lamp: N/A
Luminaire Lumens: 411.0 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	214038	214038	214038
5°	193885	194249	194525
10°	146374	146741	147476
15°	94944	95978	97868
20°	57164	57842	58612
25°	33388	34091	34604
30°	19628	20264	20563
35°	12089	12531	12762
40°	7959	8183	8296
45°	5529	5651	5772
50°	4099	4233	4394
55°	3333	3483	3483
60°	2893	2893	2893
65°	2567	2567	2567
70°	2115	2367	2367
75°	2129	2129	2129
80°	1587	2083	2083
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 5772 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	23.8
10°-20°	149.7	36.4
20°-30°	85.1	20.7
30°-40°	38.8	9.4
40°-50°	18.6	4.5
50°-60°	10.4	2.5
60°-70°	6.4	1.5
70°-80°	3.4	0.8
80°-90°	0.7	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°	332.7	80.9
0°-40°	371.5	90.4
0°-60°	400.5	97.5
0°-90°	411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	411.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1122	1121	1124	1124	1125	98
15°	532	535	538	546	549	148
25°	176	176	179	181	182	83
35°	58	59	60	61	61	38
45°	23	23	23	24	24	18
55°	11	11	12	12	12	10
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
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°	1242.8	1242.8	1242.8	1242.8	1242.8
1°	1241.8	1238.6	1237.6	1237.0	1236.0
2°	1225.9	1223.3	1222.8	1222.8	1222.3
3°	1203.8	1199.0	1199.6	1198.0	1196.4
4°	1166.3	1164.2	1165.3	1166.3	1164.2
5°	1121.5	1120.9	1123.6	1123.6	1125.2
6°	1075.0	1074.5	1072.9	1077.1	1079.2
7°	1015.9	1019.1	1023.3	1021.2	1022.8
8°	962.1	958.4	960.0	965.2	965.8
9°	898.7	896.1	903.0	905.1	905.6
10°	837.0	839.6	839.1	846.5	843.3
12.5°	676.0	680.3	685.0	688.2	691.3
15°	532.5	535.1	538.3	545.7	548.9
17.5°	409.5	412.7	415.9	422.2	423.3
20°	311.9	313.5	315.6	321.4	319.8
22.5°	233.3	235.9	238.0	240.7	242.2
25°	175.7	175.7	179.4	181.0	182.1
27.5°	130.9	131.9	134.6	136.7	136.2
30°	98.7	100.3	101.9	102.9	103.4
32.5°	76.0	76.0	77.6	79.2	79.7
35°	57.5	58.6	59.6	60.7	60.7
37.5°	44.9	45.4	46.4	47.0	47.0
40°	35.4	35.4	36.4	36.9	36.9
42.5°	28.0	28.5	29.0	29.6	29.6
45°	22.7	22.7	23.2	23.7	23.7
47.5°	18.5	18.5	19.0	19.5	19.5
50°	15.3	15.8	15.8	16.4	16.4
52.5°	13.2	13.2	13.2	13.7	13.7
55°	11.1	11.1	11.6	11.6	11.6
57.5°	9.5	9.5	9.5	10.0	10.0
60°	8.4	8.4	8.4	8.4	8.4
62.5°	7.4	7.4	7.4	7.4	7.4
65°	6.3	6.3	6.3	6.3	6.3
67.5°	5.3	5.3	5.3	5.8	5.8
70°	4.2	4.7	4.7	4.7	4.7
72.5°	3.7	3.7	3.7	3.7	3.7
75°	3.2	3.2	3.2	3.2	3.2
77.5°	2.6	2.6	2.6	2.6	2.6
80°	1.6	2.1	2.1	2.1	2.1
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)