

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: P1325887

Luminaire Tested: LDSQA3D09R15W2N902765DE010 3LSQPHR1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R15W2N902765DE010 3LSQPHR1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

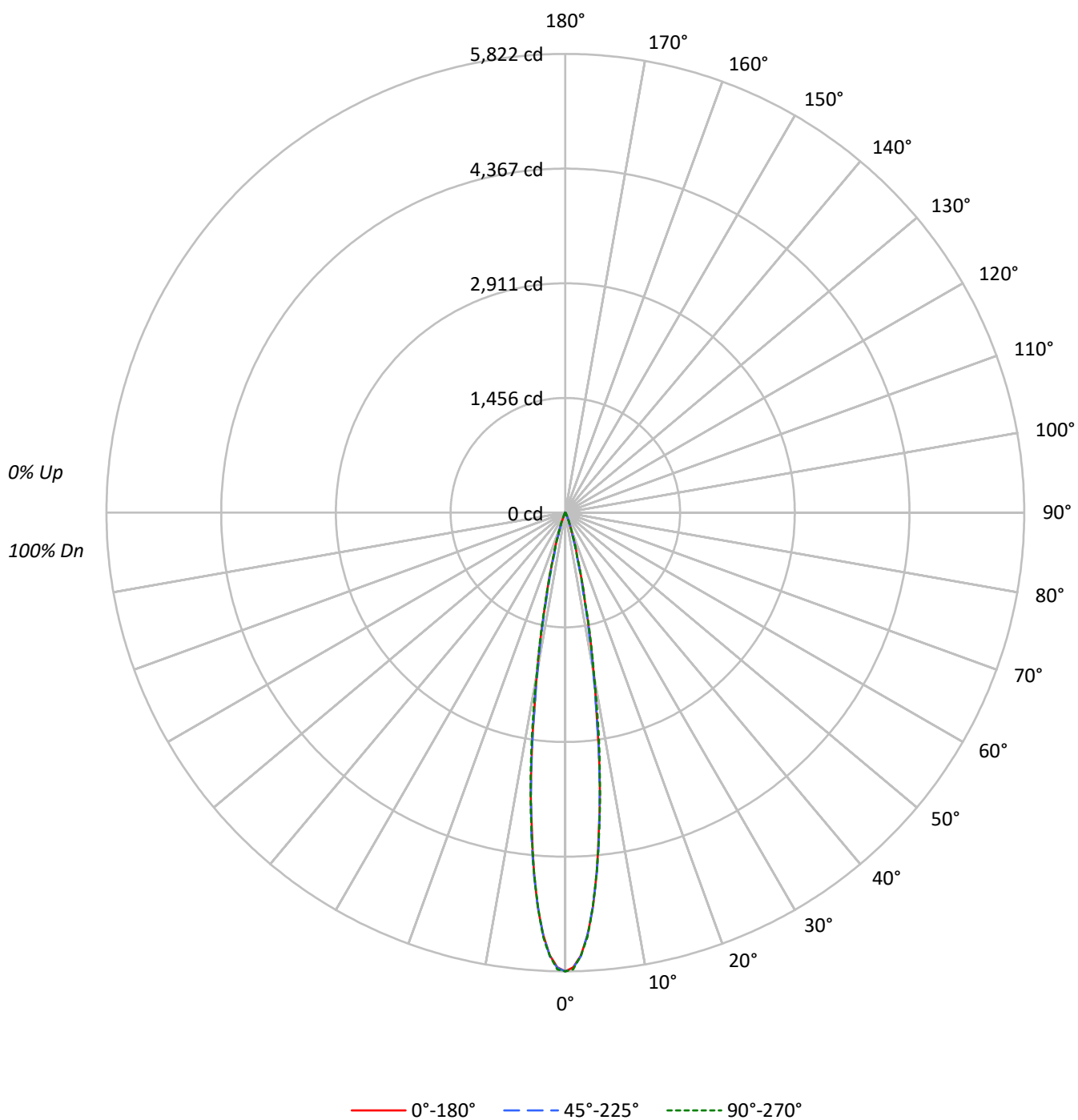
Lumens per Lamp: N/A
Luminaire Lumens: 583.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1002749	1002749	1002749
5°	790963	793089	790271
10°	361878	352382	369520
15°	107603	96049	105410
20°	31945	30992	33558
25°	9083	11744	10527
30°	3242	3480	3122
35°	1219	1093	1093
40°	517	270	382
45°	292	146	292
50°	161	0	161
55°	180	0	180
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: 0°

Vertical Angle: 47.5°

Luminance: 306 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.8	60.3
10°-20°	195.3	33.5
20°-30°	31.1	5.3
30°-40°	4.1	0.7
40°-50°	0.6	0.1
50°-60°	0.1	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°	578.2	99.2
0°-40°	582.2	99.9
0°-60°	583.0	100.0
0°-90°	583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	583.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5822	5822	5822	5822	5822	
5°	4575	4614	4588	4568	4571	351
15°	604	596	539	572	591	199
25°	48	54	62	62	55	29
35°	6	6	5	6	5	4
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5822.4	5822.4	5822.4	5822.4	5822.4	5822.4	5822.4	5822.4	5822.4	5822.4	5822.4
1°	5772.3	5778.7	5786.8	5779.3	5772.3	5778.7	5769.9	5771.1	5764.1	5779.3	5796.2
2°	5625.3	5633.5	5628.8	5618.3	5634.7	5635.8	5617.7	5609.0	5607.8	5623.0	5628.8
3°	5365.3	5383.9	5384.5	5381.0	5375.8	5365.3	5346.6	5358.9	5342.0	5331.5	5390.9
4°	5019.5	5035.9	5055.1	5042.3	5003.8	5007.3	5019.5	4978.1	4980.5	5004.4	5006.1
5°	4575.2	4624.8	4627.1	4609.1	4578.7	4587.5	4578.7	4567.1	4571.2	4586.3	4571.2
6°	4052.2	4108.2	4066.8	4106.5	4097.7	4108.8	4111.7	4099.5	4108.2	4098.9	4096.0
7°	3600.4	3557.8	3563.6	3547.3	3564.8	3576.5	3583.5	3562.5	3579.4	3606.2	3613.8
8°	3040.1	3027.8	3015.6	3044.7	3036.6	3050.5	3059.3	3082.6	3081.5	3089.6	3116.4
9°	2506.6	2524.6	2535.7	2510.1	2532.2	2489.1	2504.2	2566.6	2550.3	2566.6	2614.4
10°	2069.3	2083.8	2067.5	2066.9	2043.6	2015.0	2013.3	2036.6	2085.6	2124.1	2113.0
12.5°	1141.6	1154.5	1156.2	1155.0	1113.1	1065.8	1074.6	1093.2	1123.5	1136.4	1157.4
15°	603.5	602.9	609.3	591.2	569.1	538.7	541.1	566.7	589.5	595.3	591.2
17.5°	309.6	310.8	315.4	310.8	287.4	290.4	296.8	299.7	313.1	318.3	315.4
20°	174.3	174.9	174.3	176.1	166.8	169.1	177.2	177.8	180.7	183.7	183.1
22.5°	99.7	100.3	103.8	102.6	100.3	103.2	105.0	107.9	109.0	107.9	111.4
25°	47.8	48.4	48.4	55.4	58.9	61.8	63.0	61.8	60.6	56.0	55.4
27.5°	27.4	27.4	28.6	29.2	30.3	35.6	35.0	29.2	24.5	24.5	25.1
30°	16.3	15.7	15.7	16.3	16.9	17.5	16.3	15.7	15.7	16.3	15.7
32.5°	9.9	9.9	9.9	9.3	9.3	8.7	8.7	9.9	9.9	9.9	9.9
35°	5.8	5.8	5.8	5.8	5.2	5.2	5.2	5.8	5.8	5.2	5.2
37.5°	3.5	3.5	3.5	2.9	2.9	2.3	2.9	2.9	2.9	2.9	2.9
40°	2.3	2.3	1.7	1.7	1.2	1.2	1.2	1.7	1.7	1.7	1.7
42.5°	1.7	1.7	1.2	1.2	0.6	0.6	0.6	1.2	1.2	1.2	1.2
45°	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
47.5°	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6
50°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
52.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)