

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: P1325889

Luminaire Tested: LDSQA3D09R15W2N902765DE010 3LSQPHR1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325889
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

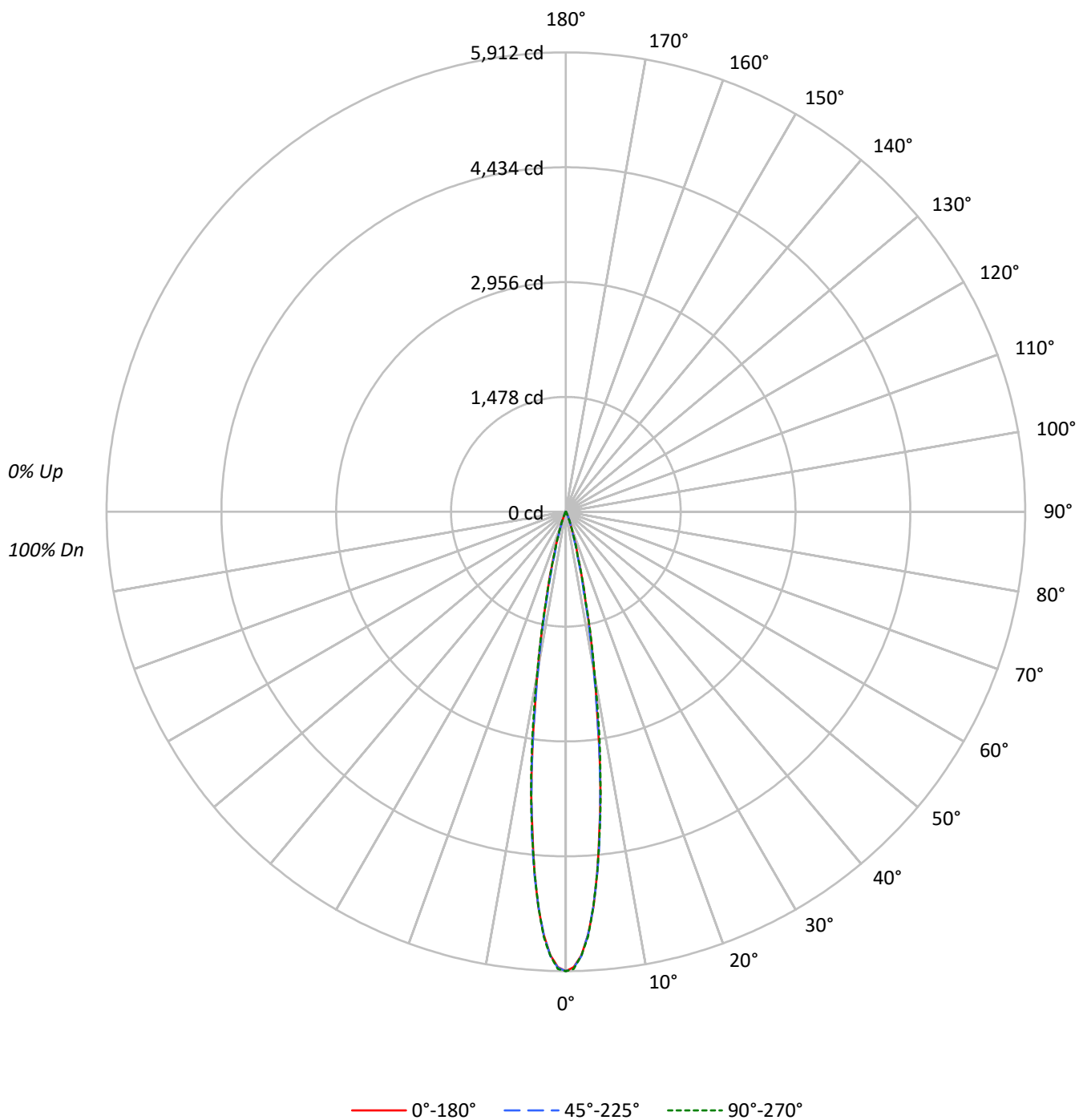
Lumens per Lamp: N/A
Luminaire Lumens: 592.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	1018232	1018232	1018232
5°	803186	805329	802459
10°	367457	357821	375221
15°	109261	97547	107032
20°	32440	31468	34071
25°	9216	11934	10679
30°	3301	3540	3182
35°	1240	1114	1114
40°	540	270	405
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°	357.2	60.3
10°-20°	198.3	33.5
20°-30°	31.6	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°	587.1	99.2
0°-40°	591.3	99.9
0°-60°	592.0	100.0
0°-90°	592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	592.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5912	5912	5912	5912	5912	
5°	4646	4685	4658	4639	4642	356
15°	613	605	547	581	600	202
25°	48	54	63	62	56	30
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°	5912.3	5912.3	5912.3	5912.3	5912.3	5912.3	5912.3	5912.3	5912.3	5912.3	5912.3
1°	5861.4	5867.9	5876.2	5868.5	5861.4	5867.9	5859.0	5860.2	5853.1	5868.5	5885.6
2°	5712.2	5720.5	5715.7	5705.1	5721.6	5722.8	5704.5	5695.6	5694.4	5709.8	5715.7
3°	5448.1	5467.1	5467.6	5464.1	5458.8	5448.1	5429.2	5441.6	5424.4	5413.8	5474.2
4°	5097.0	5113.6	5133.1	5120.1	5081.0	5084.6	5097.0	5055.0	5057.4	5081.6	5083.4
5°	4645.9	4696.2	4698.6	4680.2	4649.4	4658.3	4649.4	4637.6	4641.7	4657.1	4641.7
6°	4114.8	4171.6	4129.6	4169.9	4161.0	4172.2	4175.2	4162.8	4171.6	4162.2	4159.2
7°	3656.0	3612.7	3618.7	3602.1	3619.8	3631.7	3638.8	3617.5	3634.6	3661.9	3669.6
8°	3087.0	3074.6	3062.1	3091.7	3083.4	3097.6	3106.5	3130.2	3129.0	3137.3	3164.5
9°	2545.3	2563.6	2574.9	2548.8	2571.3	2527.5	2542.9	2606.2	2589.7	2606.2	2654.8
10°	2101.2	2116.0	2099.4	2098.8	2075.2	2046.1	2044.4	2068.1	2117.8	2156.9	2145.6
12.5°	1159.2	1172.3	1174.0	1172.9	1130.2	1082.3	1091.2	1110.1	1140.9	1153.9	1175.2
15°	612.8	612.2	618.7	600.3	577.8	547.1	549.4	575.5	598.6	604.5	600.3
17.5°	314.4	315.6	320.3	315.6	291.9	294.8	301.4	304.3	317.9	323.3	320.3
20°	177.0	177.6	177.0	178.8	169.3	171.7	180.0	180.6	183.5	186.5	185.9
22.5°	101.2	101.8	105.4	104.2	101.8	104.8	106.6	109.5	110.7	109.5	113.1
25°	48.5	49.1	49.1	56.2	59.8	62.8	63.9	62.8	61.6	56.8	56.2
27.5°	27.8	27.8	29.0	29.6	30.8	36.1	35.5	29.6	24.9	24.9	25.5
30°	16.6	16.0	16.0	16.6	17.2	17.8	16.6	16.0	16.0	16.6	16.0
32.5°	10.1	10.1	10.1	9.5	9.5	8.9	8.9	10.1	10.1	10.1	10.1
35°	5.9	5.9	5.9	5.9	5.3	5.3	5.3	5.9	5.9	5.3	5.3
37.5°	3.6	3.6	3.6	3.0	3.0	2.4	3.0	3.0	3.0	3.0	3.0
40°	2.4	2.4	1.8	1.8	1.2	1.2	1.2	1.8	1.8	1.8	1.8
42.5°	1.8	1.8	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)