

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: P1312360

Luminaire Tested: LDSQA3D09R209050DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209050DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

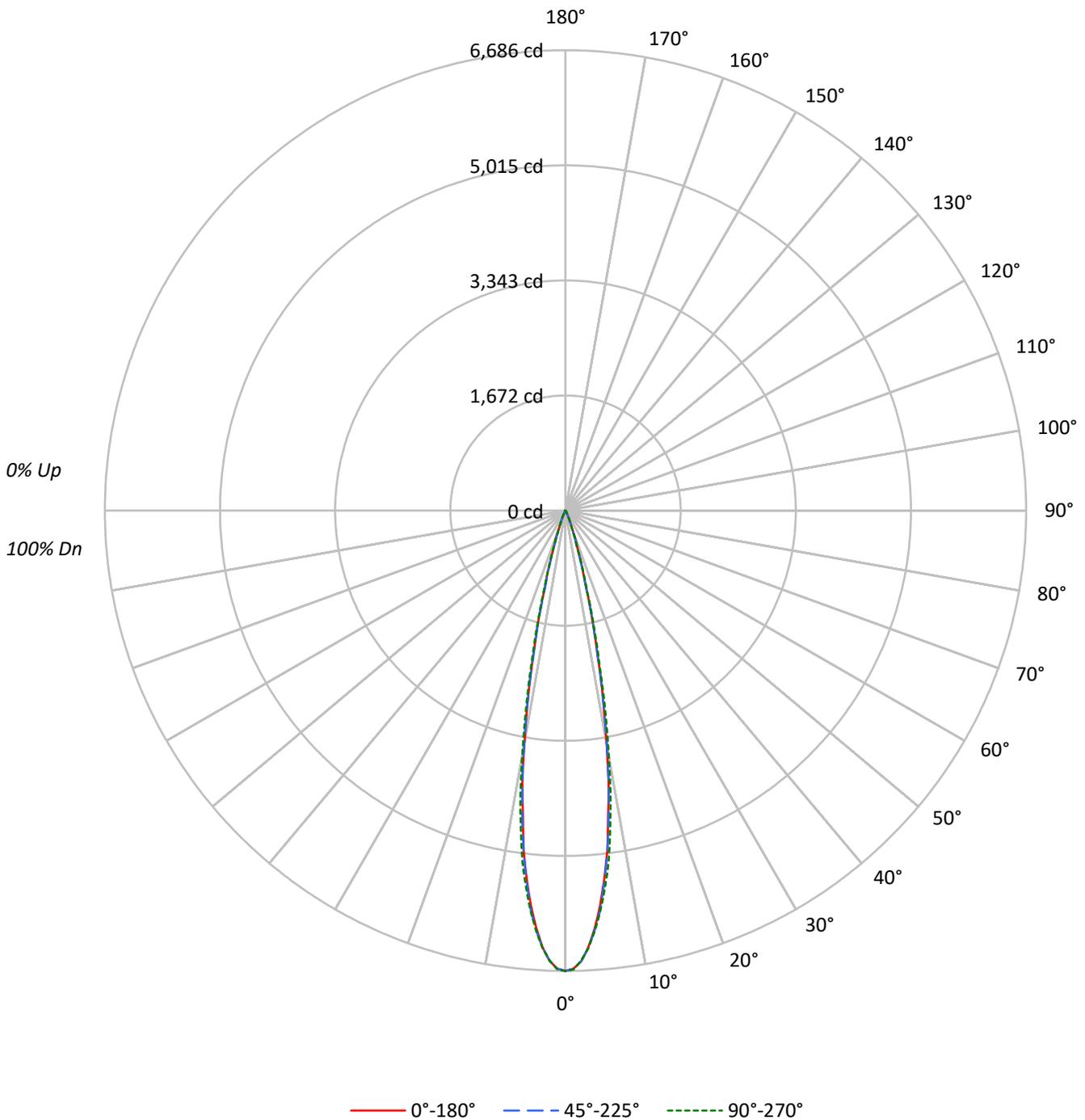
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 898.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
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 (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	95	93	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	88	86	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1151463	1151463	1151463
5°	994720	1003986	1007720
10°	598805	604401	634480
15°	207111	202261	218397
20°	54396	51171	51317
25°	11858	14290	16266
30°	5091	5091	5250
35°	2859	2523	2691
40°	1259	1439	1619
45°	390	585	585
50°	214	214	214
55°	0	0	0
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: 22.5°
 Vertical Angle: 45°
 Luminance: 585 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.2	53.3
10°-20°	364.1	40.5
20°-30°	45.0	5.0
30°-40°	8.5	0.9
40°-50°	2.1	0.2
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°	887.3	98.8
0°-40°	895.8	99.8
0°-60°	898.0	100.0
0°-90°	898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	898.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6686	6686	6686	6686	6686	
5°	5754	5750	5807	5803	5829	475
15°	1162	1120	1134	1202	1225	364
25°	62	71	75	78	86	43
35°	14	14	12	13	13	9
45°	2	2	2	2	2	2
55°	0	0	0	0	0	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6685.9	6685.9	6685.9	6685.9	6685.9
1°	6654.7	6646.7	6653.1	6639.5	6667.5
2°	6548.3	6540.3	6540.3	6532.3	6536.3
3°	6349.9	6362.7	6354.7	6337.9	6359.5
4°	6079.4	6093.8	6106.6	6107.4	6110.6
5°	5753.8	5749.8	5807.4	5803.4	5829.0
6°	5382.6	5377.8	5402.6	5444.2	5495.4
7°	4974.6	4916.2	4982.6	5066.6	5135.4
8°	4446.6	4461.8	4507.4	4606.6	4661.8
9°	3998.6	3909.8	4006.6	4125.0	4185.0
10°	3424.1	3352.1	3456.1	3580.9	3628.1
12.5°	2155.3	2092.9	2126.5	2257.7	2278.5
15°	1161.6	1120.0	1134.4	1202.4	1224.9
17.5°	592.8	555.2	547.2	590.4	595.2
20°	296.8	288.0	279.2	283.2	280.0
22.5°	137.6	149.6	148.0	140.0	149.6
25°	62.4	71.2	75.2	78.4	85.6
27.5°	38.4	36.8	42.4	45.6	46.4
30°	25.6	24.8	25.6	26.4	26.4
32.5°	18.4	17.6	16.8	16.8	17.6
35°	13.6	13.6	12.0	12.8	12.8
37.5°	9.6	9.6	8.8	9.6	9.6
40°	5.6	6.4	6.4	6.4	7.2
42.5°	3.2	4.0	4.0	4.0	4.0
45°	1.6	2.4	2.4	2.4	2.4
47.5°	0.8	0.8	0.8	1.6	1.6
50°	0.8	0.8	0.8	0.8	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)