

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: P1325990

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHRLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R20W2N902750DE010 3LSQPHRLD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

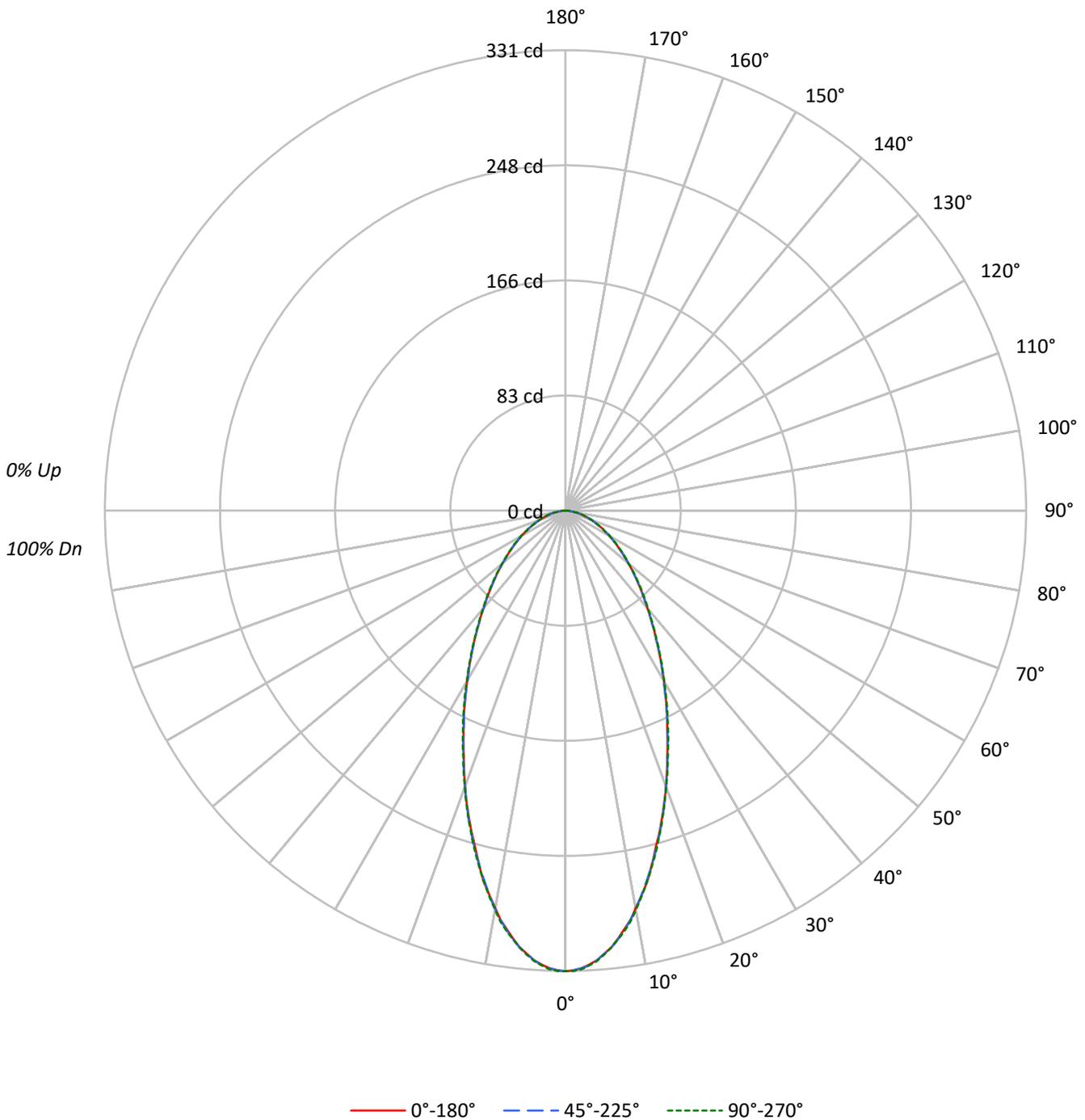
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 396.0 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
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			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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	57023	57023	57023
5°	55287	55287	55391
10°	50768	50872	50977
15°	44699	44913	45002
20°	38689	38689	38799
25°	32913	32913	33141
30°	28100	27980	28219
35°	23989	23989	24115
40°	20594	20594	20728
45°	17999	17999	18145
50°	15835	15835	15835
55°	14022	14022	14202
60°	12641	12641	12641
65°	11329	11329	11329
70°	10121	10121	10121
75°	9050	8650	9050
80°	7637	7637	7637
85°	4742	4742	5928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 18145 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	7.5
10°-20°	70.1	17.7
20°-30°	79.8	20.2
30°-40°	71.7	18.1
40°-50°	57.4	14.5
50°-60°	42.2	10.7
60°-70°	27.6	7.0
70°-80°	14.3	3.6
80°-90°	3.3	0.8
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°	179.5	45.3
0°-40°	251.2	63.4
0°-60°	350.8	88.6
0°-90°	396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	396.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	331	331	331	331	331	
5°	320	320	320	320	320	30
15°	251	251	252	252	252	70
25°	173	173	173	174	174	80
35°	114	114	114	114	115	72
45°	74	74	74	74	74	57
55°	47	47	47	47	47	42
65°	28	27	28	28	28	28
75°	14	13	13	14	14	14
85°	2	2	2	3	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	331.1	331.1	331.1	331.1	331.1
1°	330.5	329.9	330.5	330.5	331.1
2°	329.3	329.3	329.3	328.7	329.9
3°	326.9	326.9	327.5	326.9	327.5
4°	324.0	324.0	324.0	323.4	324.6
5°	319.8	319.8	319.8	319.8	320.4
6°	315.7	315.1	315.7	315.1	315.7
7°	309.8	309.8	310.4	309.8	310.4
8°	303.9	303.3	304.5	303.9	305.1
9°	298.0	297.4	298.0	297.4	299.1
10°	290.3	290.9	290.9	290.9	291.5
12.5°	272.5	271.4	271.4	271.4	272.5
15°	250.7	250.7	251.9	251.9	252.4
17.5°	231.2	230.6	231.8	231.8	231.8
20°	211.1	210.5	211.1	211.1	211.7
22.5°	191.0	191.6	191.6	191.6	192.1
25°	173.2	173.2	173.2	173.8	174.4
27.5°	156.7	156.1	156.7	157.3	157.9
30°	141.3	140.7	140.7	141.3	141.9
32.5°	127.1	126.5	127.1	127.1	127.7
35°	114.1	114.1	114.1	114.1	114.7
37.5°	102.3	102.3	102.3	102.9	102.9
40°	91.6	91.6	91.6	92.2	92.2
42.5°	82.2	82.2	82.2	82.8	83.4
45°	73.9	73.9	73.9	73.9	74.5
47.5°	66.2	66.2	66.2	66.8	66.8
50°	59.1	58.5	59.1	59.7	59.1
52.5°	52.6	52.6	52.6	52.6	53.2
55°	46.7	46.7	46.7	46.7	47.3
57.5°	41.4	41.4	41.4	42.0	42.0
60°	36.7	36.7	36.7	36.7	36.7
62.5°	31.9	31.9	31.9	31.9	31.9
65°	27.8	27.2	27.8	27.8	27.8
67.5°	23.6	23.6	23.6	23.6	23.6
70°	20.1	20.1	20.1	20.1	20.1
72.5°	16.6	16.6	16.6	16.6	16.6
75°	13.6	13.0	13.0	13.6	13.6
77.5°	10.6	10.1	10.6	10.6	10.6
80°	7.7	7.7	7.7	7.7	7.7
82.5°	4.7	4.7	4.7	5.3	5.3
85°	2.4	2.4	2.4	3.0	3.0
87.5°	0.6	0.6	0.6	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)