

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: P1325988

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHRLD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325988
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

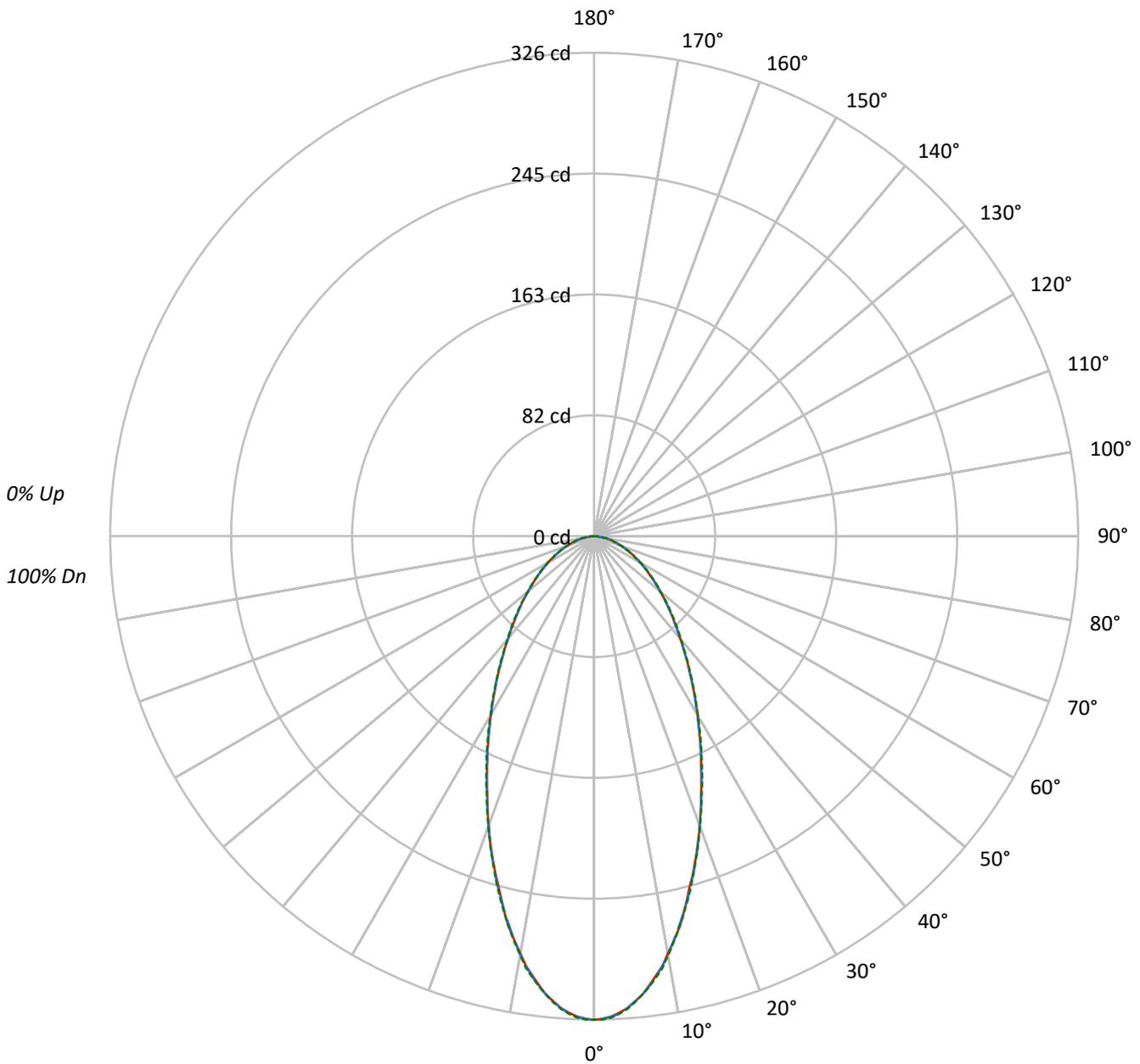
Lumens per Lamp: N/A
Luminaire Lumens: 390.0 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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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CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQPHRLD1MW_3000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	45
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	56162	56162	56162
5°	54457	54457	54561
10°	49998	50103	50190
15°	44022	44218	44325
20°	38103	38103	38195
25°	32419	32419	32647
30°	27682	27563	27782
35°	23632	23632	23758
40°	20279	20279	20414
45°	17731	17731	17877
50°	15594	15594	15594
55°	13812	13812	13992
60°	12434	12434	12434
65°	11166	11166	11166
70°	9970	9970	9970
75°	8917	8517	8917
80°	7538	7538	7538
85°	4545	4545	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 17877 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	7.5
10°-20°	69.0	17.7
20°-30°	78.6	20.2
30°-40°	70.6	18.1
40°-50°	56.5	14.5
50°-60°	41.5	10.7
60°-70°	27.2	7.0
70°-80°	14.1	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°	176.8	45.3
0°-40°	247.4	63.4
0°-60°	345.5	88.6
0°-90°	390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	390.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	326	326	326	326	326	
5°	315	315	315	315	316	29
15°	247	247	248	248	249	69
25°	171	171	171	171	172	79
35°	112	112	112	112	113	71
45°	73	73	73	73	73	56
55°	46	46	46	46	47	41
65°	27	27	27	27	27	27
75°	13	13	13	13	13	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°	326.1	326.1	326.1	326.1	326.1
1°	325.5	324.9	325.5	325.5	326.1
2°	324.3	324.3	324.3	323.7	324.9
3°	322.0	322.0	322.6	322.0	322.6
4°	319.1	319.1	319.1	318.5	319.7
5°	315.0	315.0	315.0	315.0	315.6
6°	310.9	310.3	310.9	310.3	310.9
7°	305.1	305.1	305.7	305.1	305.7
8°	299.3	298.7	299.9	299.3	300.4
9°	293.5	292.9	293.5	292.9	294.6
10°	285.9	286.5	286.5	286.5	287.0
12.5°	268.4	267.3	267.3	267.3	268.4
15°	246.9	246.9	248.0	248.0	248.6
17.5°	227.7	227.1	228.2	228.2	228.2
20°	207.9	207.3	207.9	207.9	208.4
22.5°	188.1	188.6	188.6	188.6	189.2
25°	170.6	170.6	170.6	171.2	171.8
27.5°	154.3	153.7	154.3	154.9	155.5
30°	139.2	138.6	138.6	139.2	139.7
32.5°	125.2	124.6	125.2	125.2	125.8
35°	112.4	112.4	112.4	112.4	113.0
37.5°	100.7	100.7	100.7	101.3	101.3
40°	90.2	90.2	90.2	90.8	90.8
42.5°	80.9	80.9	80.9	81.5	82.1
45°	72.8	72.8	72.8	72.8	73.4
47.5°	65.2	65.2	65.2	65.8	65.8
50°	58.2	57.6	58.2	58.8	58.2
52.5°	51.8	51.8	51.8	51.8	52.4
55°	46.0	46.0	46.0	46.0	46.6
57.5°	40.8	40.8	40.8	41.3	41.3
60°	36.1	36.1	36.1	36.1	36.1
62.5°	31.4	31.4	31.4	31.4	31.4
65°	27.4	26.8	27.4	27.4	27.4
67.5°	23.3	23.3	23.3	23.3	23.3
70°	19.8	19.8	19.8	19.8	19.8
72.5°	16.3	16.3	16.3	16.3	16.3
75°	13.4	12.8	12.8	13.4	13.4
77.5°	10.5	9.9	10.5	10.5	10.5
80°	7.6	7.6	7.6	7.6	7.6
82.5°	4.7	4.7	4.7	5.2	5.2
85°	2.3	2.3	2.3	2.9	2.9
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)