

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: P1323731

Luminaire Tested: LDSQA3D09R209030D2WDE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323731
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: LDSQA3D09R209030D2WDE010 3LSQPHRLD1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

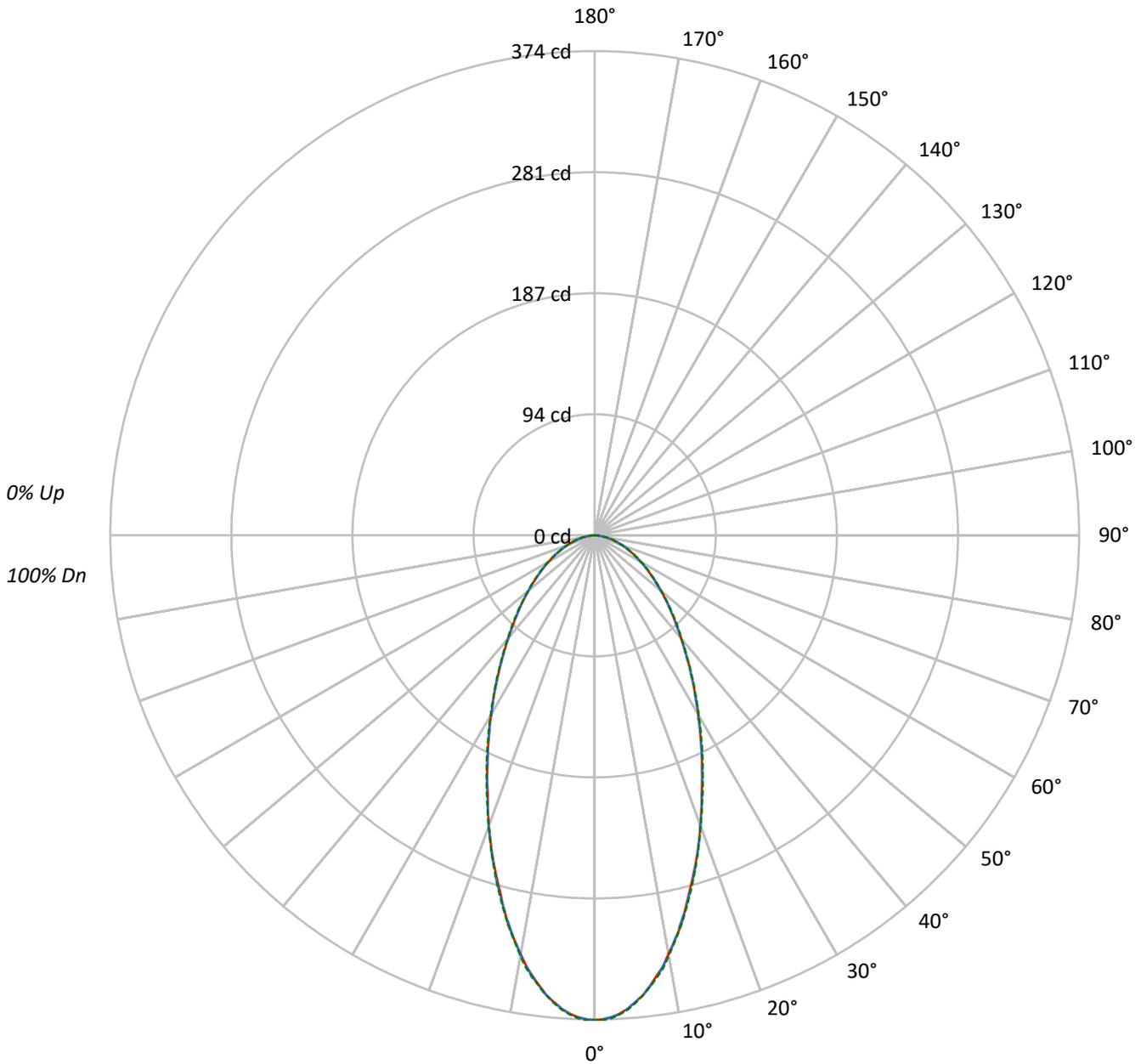
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 448.0 lumens
Efficiency: N/A
Efficacy: 30.5 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): 14.7
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



— 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	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°	64497	64497	64497
5°	62548	62548	62669
10°	57430	57553	57658
15°	50565	50797	50922
20°	43766	43766	43876
25°	37245	37245	37492
30°	31799	31659	31918
35°	27143	27143	27290
40°	23314	23314	23449
45°	20362	20362	20532
50°	17925	17925	17925
55°	15854	15854	16064
60°	14294	14294	14294
65°	12796	12796	12796
70°	11430	11430	11430
75°	10247	9782	10247
80°	8629	8629	8629
85°	5335	5335	6521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 20532 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	7.5
10°-20°	79.3	17.7
20°-30°	90.3	20.2
30°-40°	81.1	18.1
40°-50°	65.0	14.5
50°-60°	47.7	10.7
60°-70°	31.2	7.0
70°-80°	16.2	3.6
80°-90°	3.8	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°	203.1	45.3
0°-40°	284.2	63.4
0°-60°	396.9	88.6
0°-90°	448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	448.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	374	374	374	374	374	
5°	362	362	362	362	362	33
15°	284	284	285	285	286	79
25°	196	196	196	197	197	90
35°	129	129	129	129	130	81
45°	84	84	84	84	84	65
55°	53	53	53	53	54	48
65°	31	31	31	31	31	31
75°	15	15	15	15	15	16
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	374.5	374.5	374.5	374.5	374.5
1°	373.9	373.2	373.9	373.9	374.5
2°	372.5	372.5	372.5	371.9	373.2
3°	369.9	369.9	370.5	369.9	370.5
4°	366.5	366.5	366.5	365.9	367.2
5°	361.8	361.8	361.8	361.8	362.5
6°	357.2	356.5	357.2	356.5	357.2
7°	350.5	350.5	351.1	350.5	351.1
8°	343.8	343.1	344.5	343.8	345.1
9°	337.1	336.4	337.1	336.4	338.4
10°	328.4	329.1	329.1	329.1	329.7
12.5°	308.3	307.0	307.0	307.0	308.3
15°	283.6	283.6	284.9	284.9	285.6
17.5°	261.5	260.8	262.2	262.2	262.2
20°	238.8	238.1	238.8	238.8	239.4
22.5°	216.0	216.7	216.7	216.7	217.4
25°	196.0	196.0	196.0	196.6	197.3
27.5°	177.2	176.6	177.2	177.9	178.6
30°	159.9	159.2	159.2	159.9	160.5
32.5°	143.8	143.1	143.8	143.8	144.5
35°	129.1	129.1	129.1	129.1	129.8
37.5°	115.7	115.7	115.7	116.4	116.4
40°	103.7	103.7	103.7	104.3	104.3
42.5°	93.0	93.0	93.0	93.6	94.3
45°	83.6	83.6	83.6	83.6	84.3
47.5°	74.9	74.9	74.9	75.6	75.6
50°	66.9	66.2	66.9	67.6	66.9
52.5°	59.5	59.5	59.5	59.5	60.2
55°	52.8	52.8	52.8	52.8	53.5
57.5°	46.8	46.8	46.8	47.5	47.5
60°	41.5	41.5	41.5	41.5	41.5
62.5°	36.1	36.1	36.1	36.1	36.1
65°	31.4	30.8	31.4	31.4	31.4
67.5°	26.8	26.8	26.8	26.8	26.8
70°	22.7	22.7	22.7	22.7	22.7
72.5°	18.7	18.7	18.7	18.7	18.7
75°	15.4	14.7	14.7	15.4	15.4
77.5°	12.0	11.4	12.0	12.0	12.0
80°	8.7	8.7	8.7	8.7	8.7
82.5°	5.4	5.4	5.4	6.0	6.0
85°	2.7	2.7	2.7	3.3	3.3
87.5°	0.7	0.7	0.7	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)