

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: P1314454

Luminaire Tested: LDSQA3D09R209730DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314454
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: LDSQA3D09R209730DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

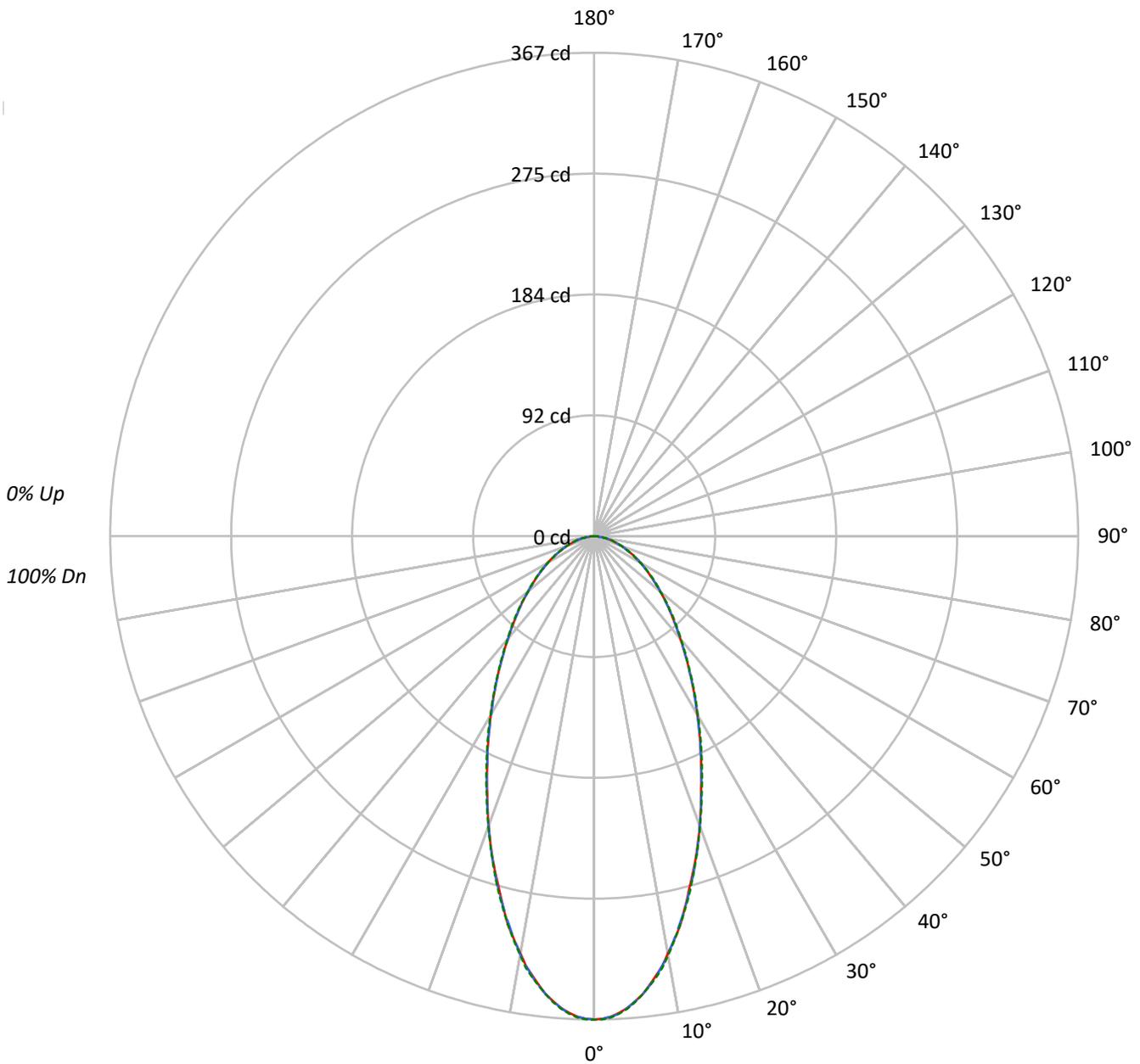
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 439.0 lumens
Efficiency: N/A
Efficacy: 39.5 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): 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



— 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°	63206	63206	63206
5°	61303	61303	61407
10°	56276	56399	56504
15°	49549	49781	49906
20°	42886	42886	42996
25°	36485	36485	36732
30°	31142	31023	31282
35°	26596	26596	26722
40°	22842	22842	22977
45°	19948	19948	20118
50°	17549	17549	17549
55°	15554	15554	15734
60°	13984	13984	13984
65°	12551	12551	12551
70°	11229	11229	11229
75°	10048	9582	10048
80°	8430	8430	8430
85°	5138	5138	6521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 20118 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	7.5
10°-20°	77.7	17.7
20°-30°	88.5	20.2
30°-40°	79.5	18.1
40°-50°	63.7	14.5
50°-60°	46.8	10.7
60°-70°	30.6	7.0
70°-80°	15.9	3.6
80°-90°	3.7	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°	199.0	45.3
0°-40°	278.4	63.4
0°-60°	388.9	88.6
0°-90°	439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	367	367	367	367	367	
5°	355	355	355	355	355	33
15°	278	278	279	279	280	78
25°	192	192	192	193	193	88
35°	126	126	126	126	127	79
45°	82	82	82	82	83	64
55°	52	52	52	52	52	47
65°	31	30	31	31	31	31
75°	15	14	14	15	15	16
85°	3	3	3	3	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	367.0	367.0	367.0	367.0	367.0
1°	366.4	365.7	366.4	366.4	367.0
2°	365.1	365.1	365.1	364.4	365.7
3°	362.4	362.4	363.1	362.4	363.1
4°	359.2	359.2	359.2	358.5	359.8
5°	354.6	354.6	354.6	354.6	355.2
6°	350.0	349.3	350.0	349.3	350.0
7°	343.4	343.4	344.1	343.4	344.1
8°	336.9	336.2	337.5	336.9	338.2
9°	330.3	329.7	330.3	329.7	331.6
10°	321.8	322.5	322.5	322.5	323.1
12.5°	302.1	300.8	300.8	300.8	302.1
15°	277.9	277.9	279.2	279.2	279.9
17.5°	256.3	255.6	256.9	256.9	256.9
20°	234.0	233.3	234.0	234.0	234.6
22.5°	211.7	212.3	212.3	212.3	213.0
25°	192.0	192.0	192.0	192.7	193.3
27.5°	173.7	173.0	173.7	174.3	175.0
30°	156.6	156.0	156.0	156.6	157.3
32.5°	140.9	140.3	140.9	140.9	141.6
35°	126.5	126.5	126.5	126.5	127.1
37.5°	113.4	113.4	113.4	114.0	114.0
40°	101.6	101.6	101.6	102.2	102.2
42.5°	91.1	91.1	91.1	91.8	92.4
45°	81.9	81.9	81.9	81.9	82.6
47.5°	73.4	73.4	73.4	74.1	74.1
50°	65.5	64.9	65.5	66.2	65.5
52.5°	58.3	58.3	58.3	58.3	59.0
55°	51.8	51.8	51.8	51.8	52.4
57.5°	45.9	45.9	45.9	46.5	46.5
60°	40.6	40.6	40.6	40.6	40.6
62.5°	35.4	35.4	35.4	35.4	35.4
65°	30.8	30.1	30.8	30.8	30.8
67.5°	26.2	26.2	26.2	26.2	26.2
70°	22.3	22.3	22.3	22.3	22.3
72.5°	18.4	18.4	18.4	18.4	18.4
75°	15.1	14.4	14.4	15.1	15.1
77.5°	11.8	11.1	11.8	11.8	11.8
80°	8.5	8.5	8.5	8.5	8.5
82.5°	5.2	5.2	5.2	5.9	5.9
85°	2.6	2.6	2.6	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)