

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: P1312398

Luminaire Tested: LDSQA3D09R309050DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309050DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

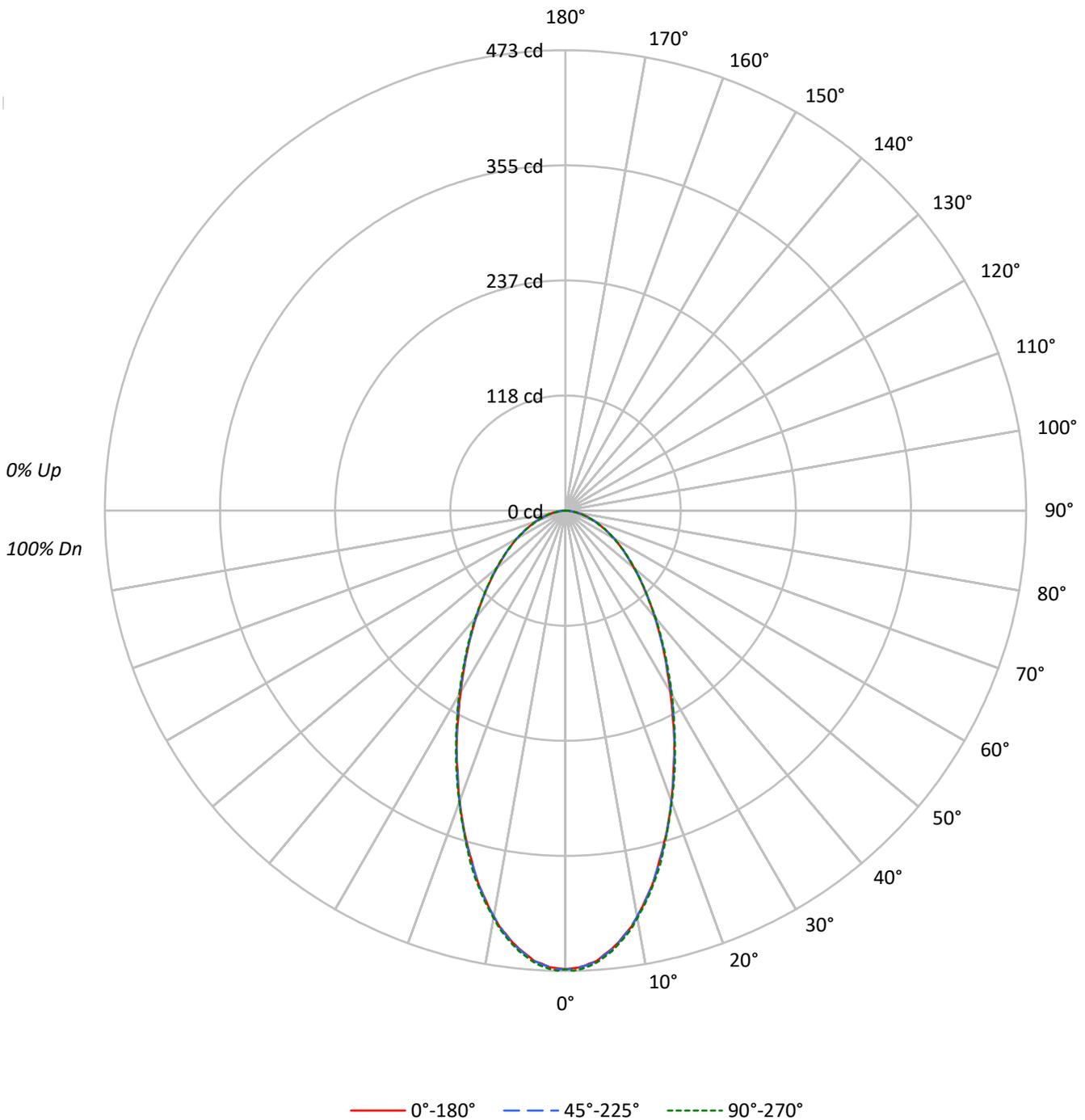
Lumens per Lamp: N/A
Luminaire Lumens: 605.0 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	81151	81151	81151
5°	79145	79283	79577
10°	74061	74061	74341
15°	66398	66541	67004
20°	58282	58282	58447
25°	50262	50262	50566
30°	42776	43273	43432
35°	36940	37129	37297
40°	31992	32172	32352
45°	27936	28131	28131
50°	24676	24676	24891
55°	22099	22099	22099
60°	19874	19874	19874
65°	17727	17727	17727
70°	16013	16013	16013
75°	14506	13907	13907
80°	12497	11604	11604
85°	8299	8299	8299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 28131 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	7.1
10°-20°	104.0	17.2
20°-30°	121.5	20.1
30°-40°	110.6	18.3
40°-50°	89.3	14.8
50°-60°	66.0	10.9
60°-70°	43.4	7.2
70°-80°	22.4	3.7
80°-90°	5.1	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°	268.2	44.3
0°-40°	378.8	62.6
0°-60°	534.0	88.3
0°-90°	605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	471	471	471	471	471	
5°	458	458	459	459	460	43
15°	372	373	373	373	376	104
25°	264	264	264	264	266	121
35°	176	175	177	177	177	110
45°	115	116	116	116	116	89
55°	74	73	74	73	74	66
65°	44	44	44	44	44	44
75°	22	21	21	21	21	23
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	471.2	471.2	471.2	471.2	471.2
1°	470.3	470.3	471.2	470.3	472.8
2°	469.5	468.7	468.7	468.7	471.2
3°	466.1	466.1	467.0	466.1	468.7
4°	463.6	462.8	463.6	462.8	465.3
5°	457.8	457.8	458.6	458.6	460.3
6°	452.8	452.8	453.6	452.8	455.3
7°	446.9	446.9	446.9	446.9	448.6
8°	439.4	439.4	440.2	440.2	441.9
9°	432.7	431.8	431.8	431.8	434.3
10°	423.5	423.5	423.5	423.5	425.1
11°	414.3	414.3	414.3	414.3	415.9
12°	404.2	404.2	405.0	404.2	406.7
13°	395.0	395.0	395.0	395.0	396.7
14°	384.1	383.3	384.1	384.1	386.6
15°	372.4	373.2	373.2	373.2	375.8
17.5°	345.6	345.6	346.5	344.8	346.5
20°	318.0	317.2	318.0	318.0	318.9
22.5°	289.6	290.4	290.4	290.4	292.1
25°	264.5	263.6	264.5	264.5	266.1
27.5°	238.5	239.3	240.2	239.3	241.0
30°	215.1	216.8	217.6	215.9	218.4
32.5°	194.2	194.2	195.0	195.8	196.7
35°	175.7	174.9	176.6	176.6	177.4
37.5°	158.2	158.2	158.2	159.0	159.8
40°	142.3	142.3	143.1	143.1	143.9
42.5°	128.0	127.2	128.0	128.0	128.0
45°	114.7	115.5	115.5	115.5	115.5
47.5°	102.9	102.9	103.8	102.9	103.8
50°	92.1	92.1	92.1	92.1	92.9
52.5°	82.0	82.0	82.0	82.0	82.9
55°	73.6	72.8	73.6	72.8	73.6
57.5°	65.3	65.3	65.3	65.3	65.3
60°	57.7	56.9	57.7	56.9	57.7
62.5°	50.2	50.2	50.2	50.2	50.2
65°	43.5	43.5	43.5	43.5	43.5
67.5°	37.7	37.7	37.7	36.8	36.8
70°	31.8	31.8	31.8	31.8	31.8
72.5°	26.8	25.9	25.9	25.9	25.9
75°	21.8	20.9	20.9	20.9	20.9
77.5°	16.7	16.7	15.9	15.9	16.7
80°	12.6	11.7	11.7	11.7	11.7
82.5°	7.5	7.5	7.5	7.5	7.5
85°	4.2	4.2	4.2	4.2	4.2
87.5°	0.8	0.8	0.8	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)