

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: P1316449

Luminaire Tested: LDSQA3D09R359740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359740DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

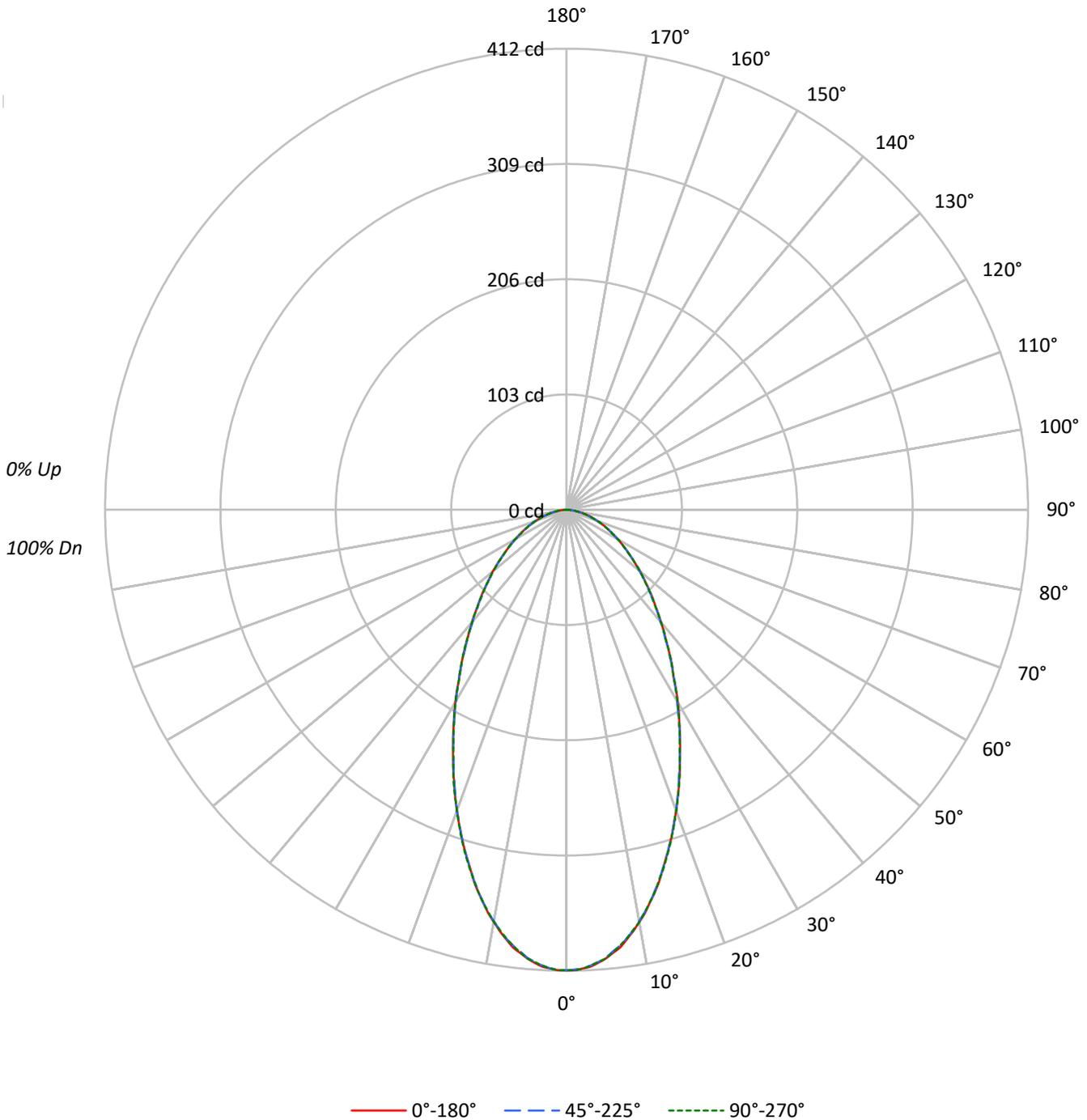
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 550.0 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
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				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	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	70904	70904	70904
5°	69584	69463	69584
10°	65422	65300	65422
15°	59231	59231	59355
20°	52435	52435	52435
25°	45587	45454	45454
30°	39515	39236	39375
35°	34018	33870	34018
40°	29519	29362	29519
45°	25939	25769	25769
50°	23015	22828	22828
55°	20238	20238	20238
60°	18324	18083	18324
65°	16504	16504	16504
70°	14653	14653	14653
75°	13242	12776	13242
80°	11306	11306	11306
85°	6916	6916	6916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25939 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	6.8
10°-20°	92.7	16.8
20°-30°	110.1	20.0
30°-40°	101.2	18.4
40°-50°	82.2	14.9
50°-60°	60.8	11.1
60°-70°	40.2	7.3
70°-80°	20.8	3.8
80°-90°	4.7	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°	240.2	43.7
0°-40°	341.4	62.1
0°-60°	484.3	88.1
0°-90°	550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	550.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	412	412	412	412	412	
5°	402	402	402	402	402	38
15°	332	332	332	332	333	93
25°	240	239	239	240	239	110
35°	162	161	161	162	162	101
45°	106	106	106	106	106	82
55°	67	67	67	67	67	61
65°	40	40	40	40	40	40
75°	20	20	19	20	20	21
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°	411.7	411.7	411.7	411.7	411.7
1°	411.7	411.0	411.0	411.0	411.7
2°	410.3	410.3	410.3	410.3	410.3
3°	408.9	408.1	408.1	408.1	408.1
4°	406.0	405.3	405.3	405.3	405.3
5°	402.5	401.8	401.8	401.8	402.5
6°	398.2	397.5	396.8	396.8	397.5
7°	394.0	392.5	392.5	392.5	392.5
8°	387.6	386.9	386.9	386.9	386.9
9°	381.2	379.8	380.5	380.5	380.5
10°	374.1	373.4	373.4	373.4	374.1
11°	367.0	366.3	366.3	365.6	366.3
12°	358.5	358.5	358.5	358.5	358.5
13°	350.7	349.9	349.9	349.9	350.7
14°	342.1	341.4	341.4	341.4	341.4
15°	332.2	332.2	332.2	332.2	332.9
17.5°	309.5	308.8	309.5	309.5	310.2
20°	286.1	285.3	286.1	286.1	286.1
22.5°	262.6	262.6	261.9	262.6	263.3
25°	239.9	239.2	239.2	239.9	239.2
27.5°	218.6	217.9	217.9	217.9	217.9
30°	198.7	197.3	197.3	198.0	198.0
32.5°	178.2	178.2	178.9	178.2	178.2
35°	161.8	161.1	161.1	161.8	161.8
37.5°	145.5	144.8	144.8	145.5	145.5
40°	131.3	131.3	130.6	131.3	131.3
42.5°	117.8	117.8	117.8	117.8	117.8
45°	106.5	105.8	105.8	105.8	105.8
47.5°	95.1	95.1	95.1	94.4	95.1
50°	85.9	85.2	85.2	85.2	85.2
52.5°	76.0	76.0	76.0	76.0	76.0
55°	67.4	67.4	67.4	67.4	67.4
57.5°	60.3	59.6	59.6	59.6	59.6
60°	53.2	53.2	52.5	53.2	53.2
62.5°	46.1	46.1	46.1	46.1	46.1
65°	40.5	40.5	40.5	40.5	40.5
67.5°	34.8	34.8	34.8	34.8	34.8
70°	29.1	29.1	29.1	29.1	29.1
72.5°	24.8	24.1	24.1	24.1	24.1
75°	19.9	19.9	19.2	19.9	19.9
77.5°	14.9	14.9	14.9	14.9	14.9
80°	11.4	11.4	11.4	10.6	11.4
82.5°	7.1	7.1	7.1	7.1	7.1
85°	3.5	3.5	3.5	3.5	3.5
87.5°	0.7	0.7	0.7	1.4	1.4



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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)