

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: P1316384

Luminaire Tested: LDSQA3D09R159740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159740DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

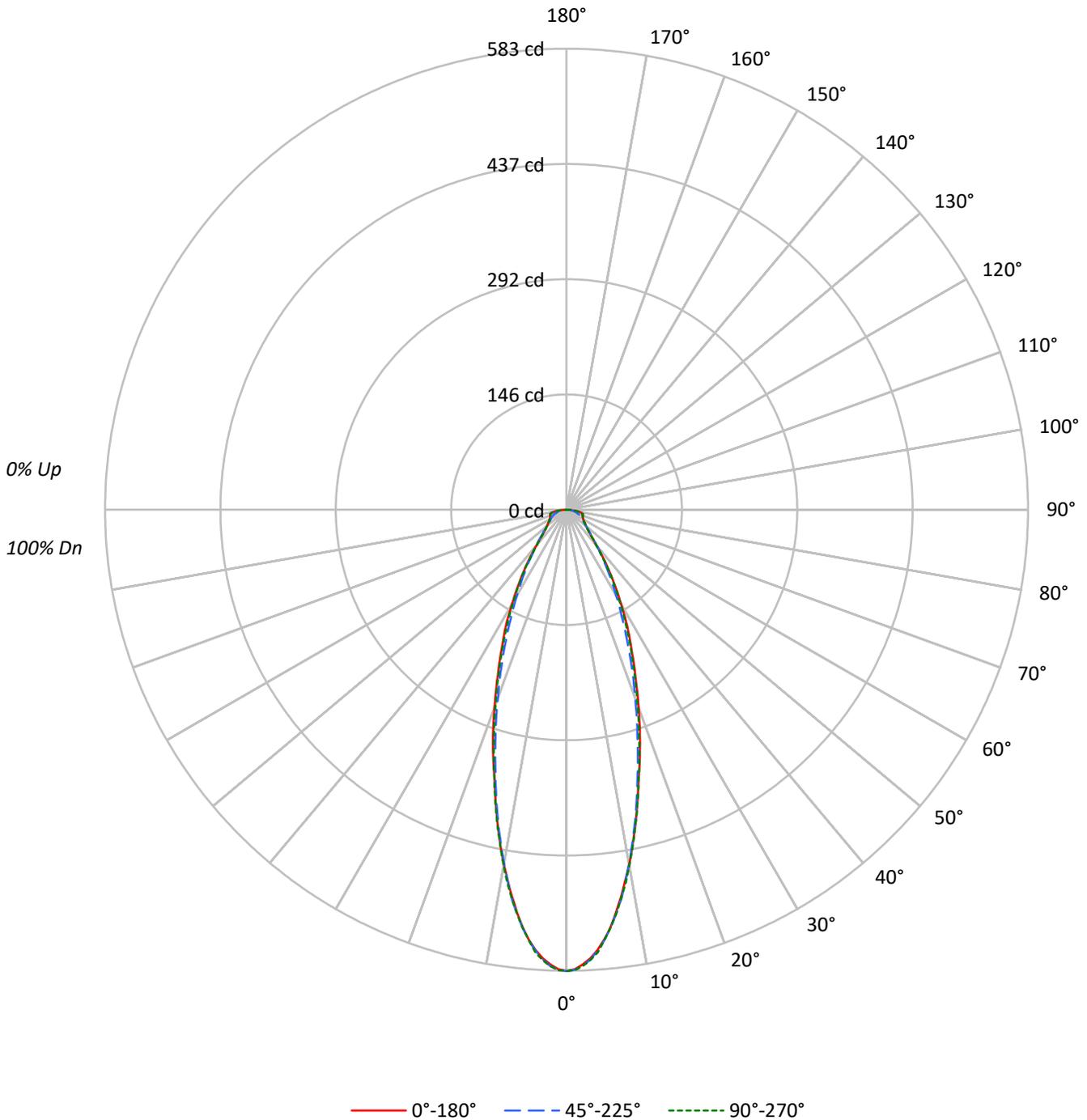
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 391.0 lumens
Efficiency: N/A
Efficacy: 35.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
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

TEST NUMBER: P1316384
CATALOG NUMBER: LDSQA3D09R159740DE010 3LSQPHRLP1MW

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	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80	80	80	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73	73	73	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66	66	66	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61	61	61	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57	57	57	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53	53	53	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50	50	50	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47	47	47	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	45	45	45	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	100457	100457	100457
5°	94341	94462	94462
10°	79693	79448	79937
15°	62672	61798	62797
20°	48715	46497	48055
25°	36770	34205	36219
30°	27344	24938	26787
35°	19511	18186	19216
40°	13219	13377	13062
45°	9840	10351	9840
50°	8547	8547	8547
55°	8287	7867	8287
60°	8542	7819	8301
65°	9251	8069	9251
70°	11078	8208	11078
75°	14173	8517	14173
80°	17555	9124	16860
85°	14030	8497	15413

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 17555 cd/sqm



TEST NUMBER: P1316384

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	12.6
10°-20°	97.2	24.9
20°-30°	85.9	22.0
30°-40°	56.5	14.4
40°-50°	33.0	8.4
50°-60°	24.3	6.2
60°-70°	20.7	5.3
70°-80°	17.1	4.4
80°-90°	7.1	1.8
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°	232.4	59.4
0°-40°	288.9	73.9
0°-60°	346.1	88.5
0°-90°	391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	391.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	583	583	583	583	583	
5°	546	546	546	547	546	49
15°	352	352	347	351	352	98
25°	194	187	180	185	191	89
35°	93	89	86	89	91	59
45°	40	41	42	41	40	33
55°	28	27	26	27	28	25
65°	23	21	20	21	23	23
75°	21	16	13	16	21	22
85°	7	8	4	7	8	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	583.3	583.3	583.3	583.3	583.3
1°	581.1	581.8	581.8	582.5	582.5
2°	575.5	576.9	577.6	577.6	577.6
3°	568.4	569.1	569.8	570.5	570.5
4°	558.4	559.2	559.2	560.6	561.3
5°	545.7	545.7	546.4	547.1	546.4
6°	530.8	530.8	531.5	531.5	531.5
7°	513.1	513.8	514.5	515.2	514.5
8°	494.0	494.7	496.8	496.8	496.1
9°	474.8	475.5	475.5	477.7	477.7
10°	455.7	455.7	454.3	455.7	457.1
12.5°	404.0	403.2	401.1	403.2	404.7
15°	351.5	351.5	346.6	350.8	352.2
17.5°	309.0	302.6	297.7	301.9	305.4
20°	265.8	259.4	253.7	258.0	262.2
22.5°	226.8	221.8	214.7	219.0	223.9
25°	193.5	187.1	180.0	185.0	190.6
27.5°	165.8	157.3	150.2	155.9	160.9
30°	137.5	131.8	125.4	129.7	134.7
32.5°	113.4	109.1	104.2	107.7	112.0
35°	92.8	89.3	86.5	88.6	91.4
37.5°	74.4	73.0	71.6	72.3	72.3
40°	58.8	59.5	59.5	59.5	58.1
42.5°	48.2	48.9	50.3	48.9	48.2
45°	40.4	41.1	42.5	41.1	40.4
47.5°	35.4	36.1	36.9	35.4	35.4
50°	31.9	31.9	31.9	31.9	31.9
52.5°	29.8	29.1	29.1	29.1	29.8
55°	27.6	26.9	26.2	26.9	27.6
57.5°	25.5	24.8	24.1	24.8	25.5
60°	24.8	23.4	22.7	23.4	24.1
62.5°	23.4	22.0	21.3	22.0	23.4
65°	22.7	20.6	19.8	20.6	22.7
67.5°	22.0	19.1	17.7	19.1	22.0
70°	22.0	17.7	16.3	18.4	22.0
72.5°	21.3	17.0	14.2	17.0	21.3
75°	21.3	15.6	12.8	16.3	21.3
77.5°	19.8	14.2	10.6	14.9	19.8
80°	17.7	12.8	9.2	13.5	17.0
82.5°	12.8	10.6	7.1	10.6	12.8
85°	7.1	7.8	4.3	7.1	7.8
87.5°	0.7	2.1	1.4	4.3	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)