

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: P1315460

Luminaire Tested: LDSQA3D09R309735DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315460
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: LDSQA3D09R309735DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

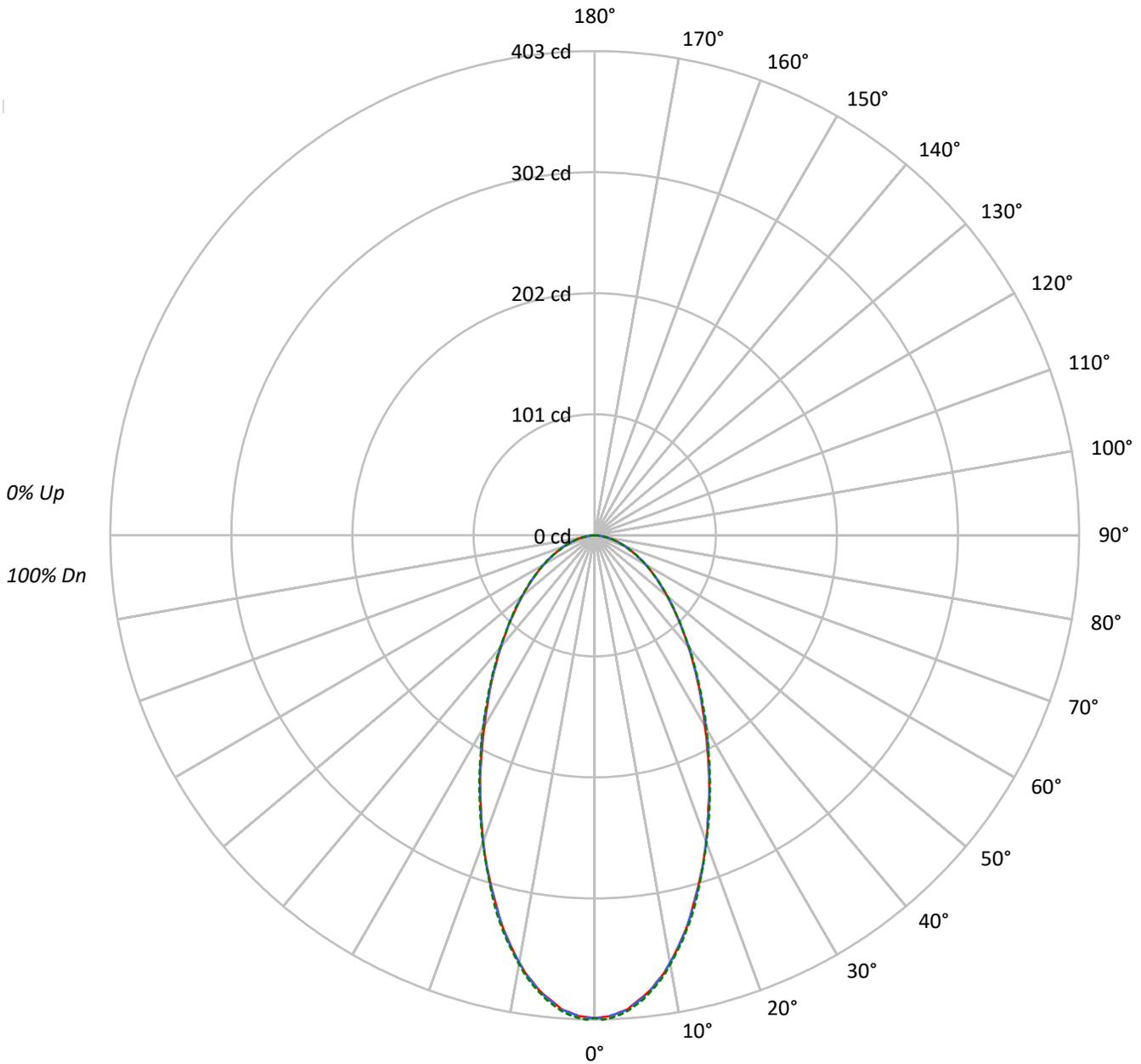
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 516.0 lumens
Efficiency: N/A
Efficacy: 46.5 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 (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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	85	82	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	77	73	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	71	66	62	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	69216	69216	69216
5°	67493	67614	67873
10°	63166	63166	63411
15°	56627	56752	57145
20°	49704	49704	49833
25°	42870	42870	43136
30°	36472	36909	37049
35°	31516	31663	31810
40°	27271	27451	27608
45°	23820	23991	23991
50°	21033	21033	21220
55°	18856	18856	18856
60°	16981	16981	16981
65°	15119	15119	15119
70°	13646	13646	13646
75°	12377	11844	11844
80°	10612	9918	9918
85°	7114	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 23991 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	7.1
10°-20°	88.7	17.2
20°-30°	103.6	20.1
30°-40°	94.3	18.3
40°-50°	76.2	14.8
50°-60°	56.2	10.9
60°-70°	37.0	7.2
70°-80°	19.1	3.7
80°-90°	4.4	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°	228.7	44.3
0°-40°	323.0	62.6
0°-60°	455.5	88.3
0°-90°	516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	516.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	402	402	402	402	402	
5°	390	390	391	391	393	36
15°	318	318	318	318	320	89
25°	226	225	226	226	227	103
35°	150	149	151	151	151	94
45°	98	98	98	98	98	76
55°	63	62	63	62	63	56
65°	37	37	37	37	37	37
75°	19	18	18	18	18	20
85°	4	4	4	4	4	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	401.9	401.9	401.9	401.9	401.9
1°	401.1	401.1	401.9	401.1	403.3
2°	400.4	399.7	399.7	399.7	401.9
3°	397.6	397.6	398.3	397.6	399.7
4°	395.4	394.7	395.4	394.7	396.9
5°	390.4	390.4	391.1	391.1	392.6
6°	386.1	386.1	386.9	386.1	388.3
7°	381.2	381.2	381.2	381.2	382.6
8°	374.7	374.7	375.4	375.4	376.9
9°	369.0	368.3	368.3	368.3	370.4
10°	361.2	361.2	361.2	361.2	362.6
11°	353.3	353.3	353.3	353.3	354.7
12°	344.8	344.8	345.5	344.8	346.9
13°	336.9	336.9	336.9	336.9	338.3
14°	327.6	326.9	327.6	327.6	329.8
15°	317.6	318.3	318.3	318.3	320.5
17.5°	294.8	294.8	295.5	294.1	295.5
20°	271.2	270.5	271.2	271.2	271.9
22.5°	247.0	247.7	247.7	247.7	249.1
25°	225.6	224.8	225.6	225.6	227.0
27.5°	203.4	204.1	204.9	204.1	205.6
30°	183.4	184.9	185.6	184.2	186.3
32.5°	165.6	165.6	166.3	167.0	167.7
35°	149.9	149.2	150.6	150.6	151.3
37.5°	134.9	134.9	134.9	135.6	136.3
40°	121.3	121.3	122.1	122.1	122.8
42.5°	109.2	108.5	109.2	109.2	109.2
45°	97.8	98.5	98.5	98.5	98.5
47.5°	87.8	87.8	88.5	87.8	88.5
50°	78.5	78.5	78.5	78.5	79.2
52.5°	69.9	69.9	69.9	69.9	70.7
55°	62.8	62.1	62.8	62.1	62.8
57.5°	55.7	55.7	55.7	55.7	55.7
60°	49.3	48.5	49.3	48.5	49.3
62.5°	42.8	42.8	42.8	42.8	42.8
65°	37.1	37.1	37.1	37.1	37.1
67.5°	32.1	32.1	32.1	31.4	31.4
70°	27.1	27.1	27.1	27.1	27.1
72.5°	22.8	22.1	22.1	22.1	22.1
75°	18.6	17.8	17.8	17.8	17.8
77.5°	14.3	14.3	13.6	13.6	14.3
80°	10.7	10.0	10.0	10.0	10.0
82.5°	6.4	6.4	6.4	6.4	6.4
85°	3.6	3.6	3.6	3.6	3.6
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)