

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: P1316398

Luminaire Tested: LDSQA3D09R209740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316398
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: LDSQA3D09R209740DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

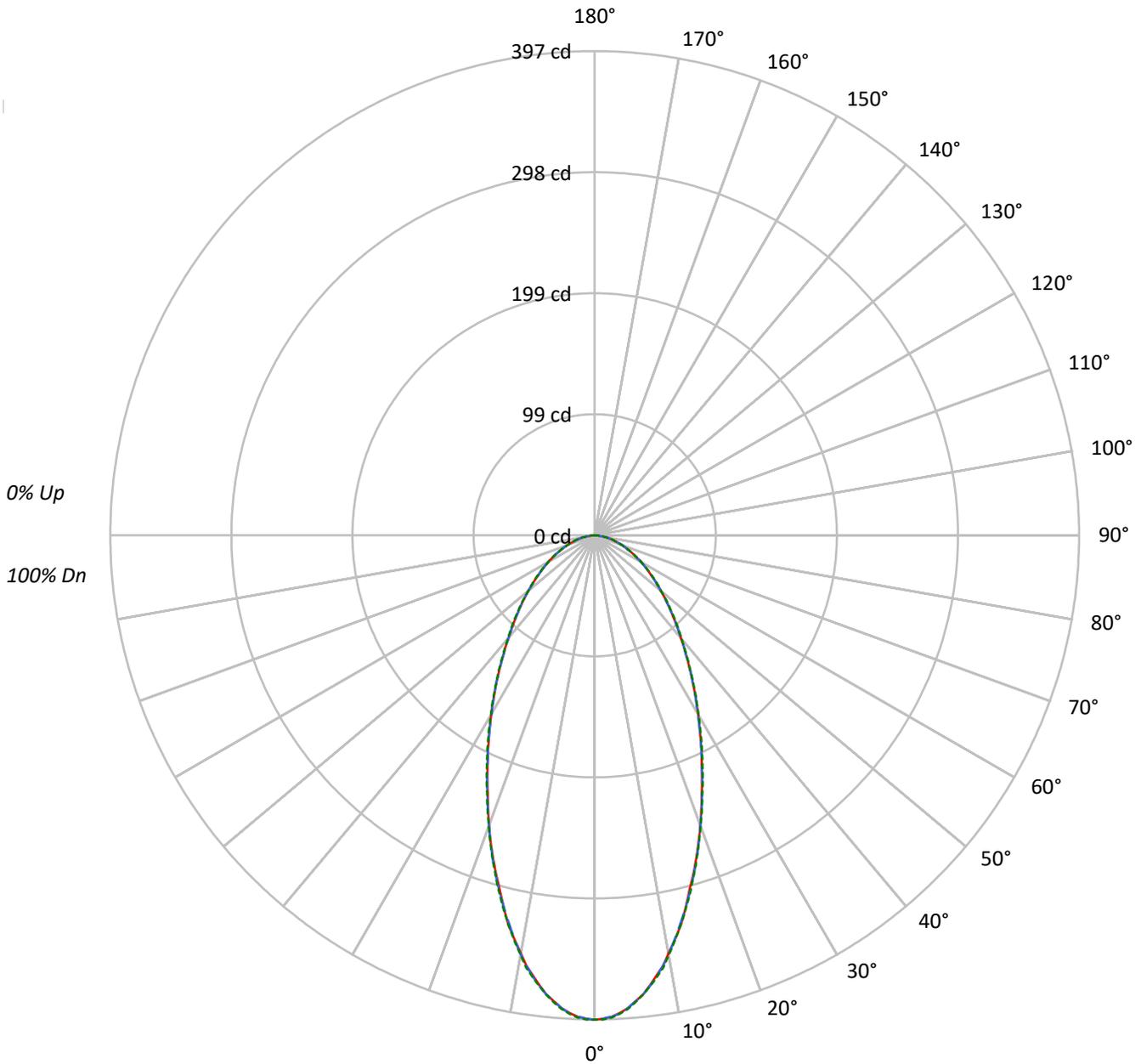
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 475.0 lumens
Efficiency: N/A
Efficacy: 42.8 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 (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



— 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	68390	68390	68390
5°	66317	66317	66455
10°	60893	61015	61138
15°	53614	53864	53989
20°	46405	46405	46534
25°	39488	39488	39754
30°	33708	33569	33847
35°	28783	28783	28930
40°	24708	24708	24865
45°	21579	21579	21774
50°	18996	18996	18996
55°	16815	16815	17025
60°	15156	15156	15156
65°	13570	13570	13570
70°	12135	12135	12135
75°	10846	10381	10846
80°	9124	9124	9124
85°	5533	5533	6916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 21774 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	7.5
10°-20°	84.1	17.7
20°-30°	95.7	20.2
30°-40°	86.0	18.1
40°-50°	68.9	14.5
50°-60°	50.6	10.7
60°-70°	33.1	7.0
70°-80°	17.2	3.6
80°-90°	4.0	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°	215.3	45.3
0°-40°	301.3	63.4
0°-60°	420.8	88.6
0°-90°	475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	397	397	397	397	397	
5°	384	384	384	384	384	36
15°	301	301	302	302	303	84
25°	208	208	208	208	209	96
35°	137	137	137	137	138	86
45°	89	89	89	89	89	69
55°	56	56	56	56	57	50
65°	33	33	33	33	33	33
75°	16	16	16	16	16	17
85°	3	3	3	4	4	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	397.1	397.1	397.1	397.1	397.1
1°	396.4	395.7	396.4	396.4	397.1
2°	395.0	395.0	395.0	394.3	395.7
3°	392.2	392.2	392.9	392.2	392.9
4°	388.6	388.6	388.6	387.9	389.3
5°	383.6	383.6	383.6	383.6	384.4
6°	378.7	378.0	378.7	378.0	378.7
7°	371.6	371.6	372.3	371.6	372.3
8°	364.5	363.8	365.2	364.5	365.9
9°	357.4	356.7	357.4	356.7	358.8
10°	348.2	348.9	348.9	348.9	349.6
12.5°	326.9	325.5	325.5	325.5	326.9
15°	300.7	300.7	302.1	302.1	302.8
17.5°	277.3	276.6	278.0	278.0	278.0
20°	253.2	252.5	253.2	253.2	253.9
22.5°	229.1	229.8	229.8	229.8	230.5
25°	207.8	207.8	207.8	208.5	209.2
27.5°	187.9	187.2	187.9	188.6	189.3
30°	169.5	168.8	168.8	169.5	170.2
32.5°	152.5	151.8	152.5	152.5	153.2
35°	136.9	136.9	136.9	136.9	137.6
37.5°	122.7	122.7	122.7	123.4	123.4
40°	109.9	109.9	109.9	110.6	110.6
42.5°	98.6	98.6	98.6	99.3	100.0
45°	88.6	88.6	88.6	88.6	89.4
47.5°	79.4	79.4	79.4	80.1	80.1
50°	70.9	70.2	70.9	71.6	70.9
52.5°	63.1	63.1	63.1	63.1	63.8
55°	56.0	56.0	56.0	56.0	56.7
57.5°	49.6	49.6	49.6	50.3	50.3
60°	44.0	44.0	44.0	44.0	44.0
62.5°	38.3	38.3	38.3	38.3	38.3
65°	33.3	32.6	33.3	33.3	33.3
67.5°	28.4	28.4	28.4	28.4	28.4
70°	24.1	24.1	24.1	24.1	24.1
72.5°	19.9	19.9	19.9	19.9	19.9
75°	16.3	15.6	15.6	16.3	16.3
77.5°	12.8	12.1	12.8	12.8	12.8
80°	9.2	9.2	9.2	9.2	9.2
82.5°	5.7	5.7	5.7	6.4	6.4
85°	2.8	2.8	2.8	3.5	3.5
87.5°	0.7	0.7	0.7	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)