

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: P1310170

Luminaire Tested: LDSQA3D09R209035DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209035DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

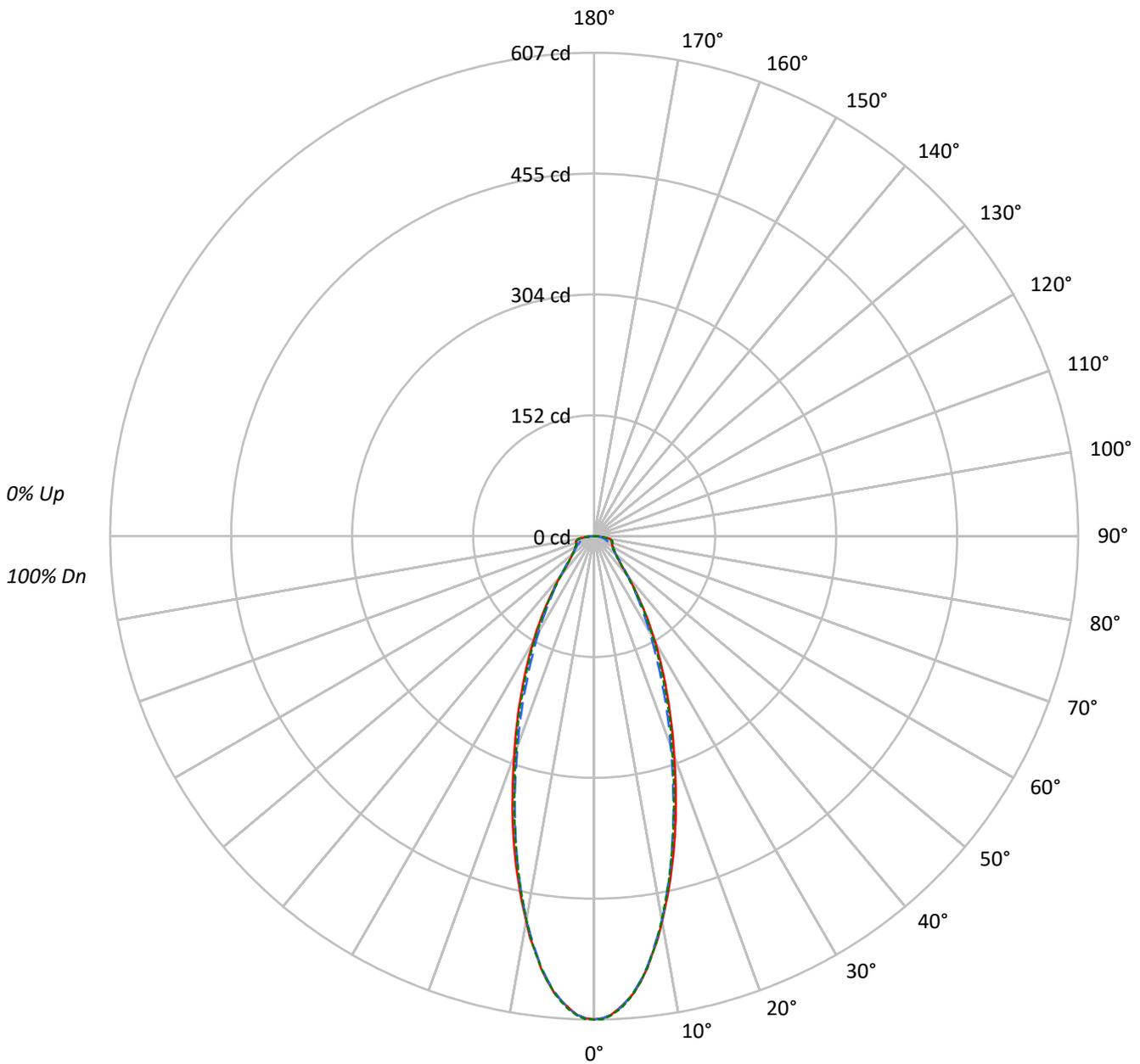
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 428.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	104522	104522	104522
5°	99458	99199	99458
10°	85848	85586	85464
15°	69679	68074	68342
20°	53681	51335	52307
25°	40780	37777	39640
30°	30247	27543	29353
35°	21382	19952	21046
40°	14726	14726	14389
45°	10814	11374	10814
50°	9485	9485	9485
55°	9038	8828	9038
60°	9334	8542	9334
65°	10106	8599	10106
70°	12135	8711	12135
75°	15504	9515	15504
80°	19439	9720	18646
85°	14820	8892	16401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 19439 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	12.2
10°-20°	106.3	24.8
20°-30°	94.9	22.2
30°-40°	62.3	14.6
40°-50°	36.2	8.5
50°-60°	26.9	6.3
60°-70°	22.7	5.3
70°-80°	18.7	4.4
80°-90°	7.8	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°	253.3	59.2
0°-40°	315.6	73.7
0°-60°	378.7	88.5
0°-90°	428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	607	607	607	607	607	
5°	575	574	574	574	575	52
15°	391	387	382	382	383	108
25°	215	209	199	204	209	99
35°	102	99	95	98	100	65
45°	44	45	47	45	44	36
55°	30	29	29	29	30	27
65°	25	23	21	23	25	25
75°	23	17	14	17	23	24
85°	8	8	4	8	8	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	606.9	606.9	606.9	606.9	606.9
1°	605.4	606.1	605.4	606.1	606.9
2°	601.6	602.4	601.6	601.6	602.4
3°	594.1	594.9	594.9	594.9	595.6
4°	585.1	585.8	585.1	585.8	586.6
5°	575.3	574.5	573.8	574.5	575.3
6°	561.7	561.0	560.2	561.0	561.7
7°	546.7	545.9	545.2	545.2	545.9
8°	527.8	528.6	526.3	527.8	528.6
9°	511.3	509.8	508.3	508.3	509.8
10°	490.9	489.4	489.4	488.7	488.7
12.5°	441.2	438.2	436.0	436.0	436.7
15°	390.8	387.0	381.8	382.5	383.3
17.5°	340.3	335.8	329.1	330.6	332.1
20°	292.9	288.4	280.1	283.1	285.4
22.5°	252.2	245.5	237.9	240.2	247.7
25°	214.6	208.6	198.8	204.1	208.6
27.5°	181.5	174.7	166.4	171.7	176.2
30°	152.1	146.1	138.5	143.1	147.6
32.5°	125.7	120.5	115.2	118.2	122.0
35°	101.7	98.6	94.9	97.9	100.1
37.5°	82.1	80.6	79.1	80.6	79.8
40°	65.5	66.3	65.5	65.5	64.0
42.5°	52.0	54.2	55.0	53.5	52.0
45°	44.4	45.2	46.7	45.2	44.4
47.5°	39.2	39.2	39.9	39.2	38.4
50°	35.4	35.4	35.4	35.4	35.4
52.5°	32.4	32.4	31.6	32.4	32.4
55°	30.1	29.4	29.4	29.4	30.1
57.5°	28.6	27.9	27.1	27.9	28.6
60°	27.1	25.6	24.8	25.6	27.1
62.5°	25.6	24.1	23.3	24.1	25.6
65°	24.8	22.6	21.1	22.6	24.8
67.5°	24.1	21.1	19.6	21.1	24.8
70°	24.1	19.6	17.3	20.3	24.1
72.5°	23.3	18.8	15.8	18.8	23.3
75°	23.3	17.3	14.3	17.3	23.3
77.5°	21.8	15.8	12.0	15.8	21.8
80°	19.6	14.3	9.8	14.3	18.8
82.5°	14.3	12.0	7.5	12.0	14.3
85°	7.5	8.3	4.5	8.3	8.3
87.5°	0.8	3.0	1.5	4.5	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)