

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: P1306962

Luminaire Tested: LDSQA3D09R209024DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306962
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: LDSQA3D09R209024DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

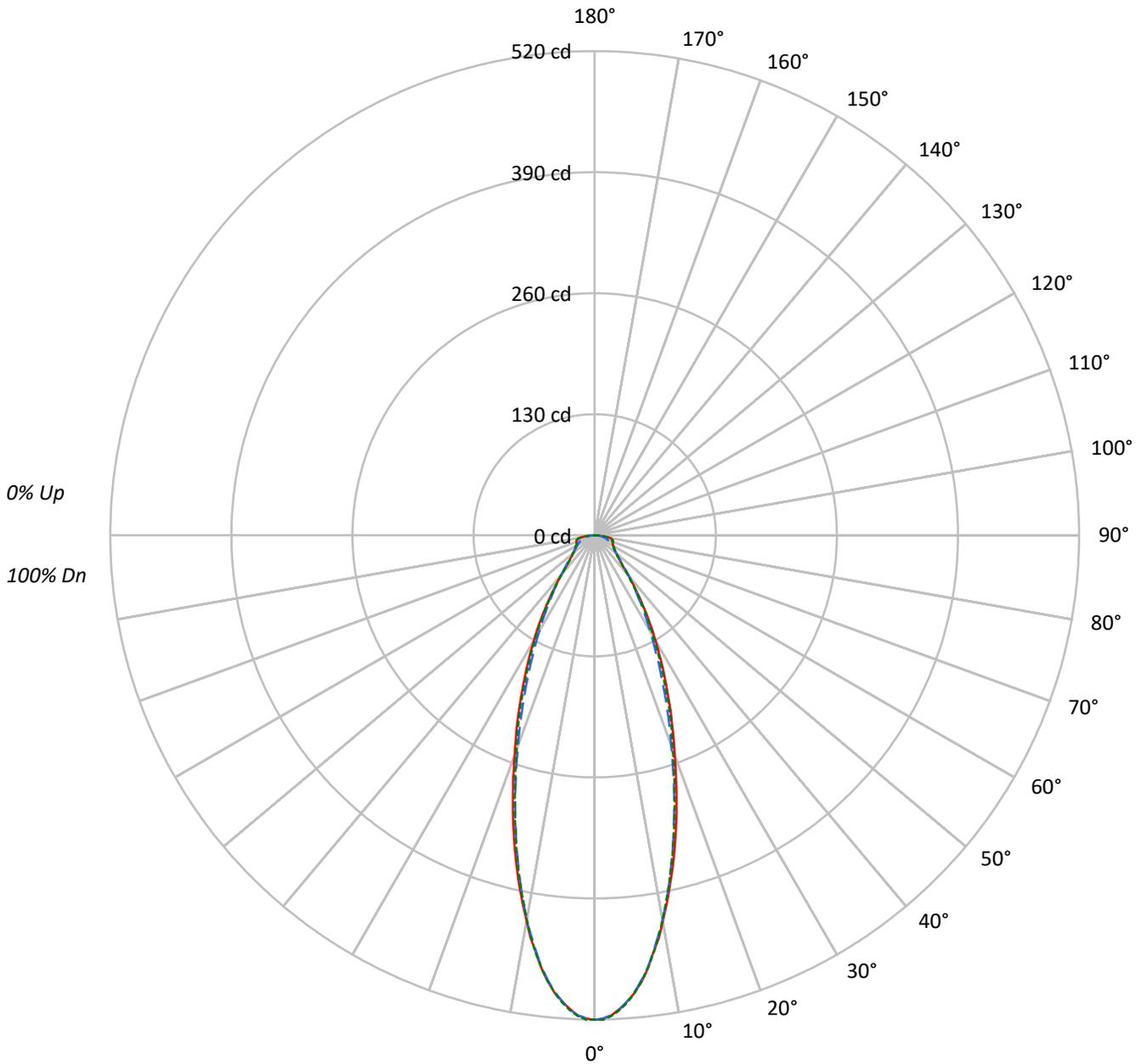
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 367.0 lumens
Efficiency: N/A
Efficacy: 33.1 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				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	63	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	57	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°	89625	89625	89625
5°	85282	85057	85282
10°	73624	73397	73274
15°	59748	58375	58589
20°	46039	44023	44848
25°	34965	32400	33977
30°	25932	23625	25156
35°	18333	17114	18060
40°	12635	12635	12343
45°	9280	9742	9280
50°	8118	8118	8118
55°	7747	7567	7747
60°	7991	7337	7991
65°	8680	7376	8680
70°	10423	7503	10423
75°	13308	8185	13308
80°	16662	8331	15968
85°	12844	7707	14030

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 16662 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	12.2
10°-20°	91.2	24.8
20°-30°	81.4	22.2
30°-40°	53.4	14.6
40°-50°	31.1	8.5
50°-60°	23.0	6.3
60°-70°	19.5	5.3
70°-80°	16.1	4.4
80°-90°	6.7	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°	217.2	59.2
0°-40°	270.6	73.7
0°-60°	324.7	88.5
0°-90°	367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	367.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	520	520	520	520	520	
5°	493	493	492	493	493	45
15°	335	332	327	328	329	93
25°	184	179	170	175	179	85
35°	87	85	81	84	86	55
45°	38	39	40	39	38	31
55°	26	25	25	25	26	23
65°	21	19	18	19	21	21
75°	20	15	12	15	20	20
85°	6	7	4	7	7	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	520.4	520.4	520.4	520.4	520.4
1°	519.1	519.8	519.1	519.8	520.4
2°	515.9	516.5	515.9	515.9	516.5
3°	509.4	510.1	510.1	510.1	510.7
4°	501.7	502.3	501.7	502.3	503.0
5°	493.3	492.6	492.0	492.6	493.3
6°	481.7	481.0	480.4	481.0	481.7
7°	468.8	468.1	467.5	467.5	468.1
8°	452.6	453.3	451.3	452.6	453.3
9°	438.4	437.1	435.8	435.8	437.1
10°	421.0	419.7	419.7	419.0	419.0
12.5°	378.4	375.8	373.8	373.8	374.5
15°	335.1	331.9	327.4	328.0	328.6
17.5°	291.8	288.0	282.2	283.4	284.7
20°	251.2	247.3	240.2	242.8	244.7
22.5°	216.3	210.5	204.0	206.0	212.4
25°	184.0	178.8	170.5	175.0	178.8
27.5°	155.6	149.8	142.7	147.2	151.1
30°	130.4	125.3	118.8	122.7	126.5
32.5°	107.8	103.3	98.8	101.4	104.6
35°	87.2	84.6	81.4	83.9	85.9
37.5°	70.4	69.1	67.8	69.1	68.4
40°	56.2	56.8	56.2	56.2	54.9
42.5°	44.6	46.5	47.1	45.8	44.6
45°	38.1	38.7	40.0	38.7	38.1
47.5°	33.6	33.6	34.2	33.6	32.9
50°	30.3	30.3	30.3	30.3	30.3
52.5°	27.8	27.8	27.1	27.8	27.8
55°	25.8	25.2	25.2	25.2	25.8
57.5°	24.5	23.9	23.2	23.9	24.5
60°	23.2	22.0	21.3	22.0	23.2
62.5°	22.0	20.7	20.0	20.7	22.0
65°	21.3	19.4	18.1	19.4	21.3
67.5°	20.7	18.1	16.8	18.1	21.3
70°	20.7	16.8	14.9	17.4	20.7
72.5°	20.0	16.1	13.6	16.1	20.0
75°	20.0	14.9	12.3	14.9	20.0
77.5°	18.7	13.6	10.3	13.6	18.7
80°	16.8	12.3	8.4	12.3	16.1
82.5°	12.3	10.3	6.5	10.3	12.3
85°	6.5	7.1	3.9	7.1	7.1
87.5°	0.6	2.6	1.3	3.9	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)