

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: P1307933

Luminaire Tested: LDSQA3D09R209027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307933
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: LDSQA3D09R209027DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

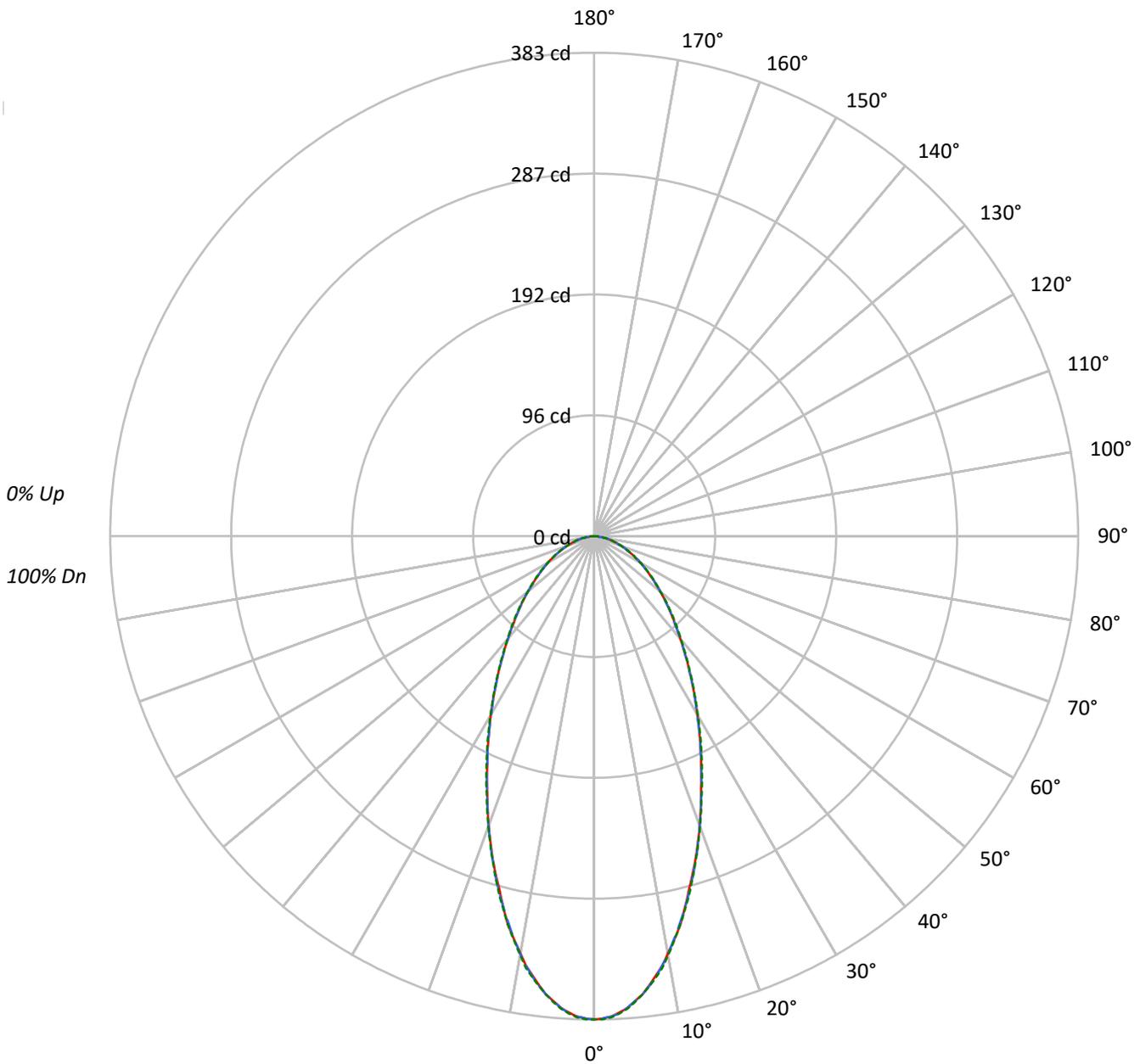
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 458.0 lumens
Efficiency: N/A
Efficacy: 41.3 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 (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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	65944	65944	65944
5°	63948	63948	64070
10°	58707	58829	58952
15°	51689	51938	52063
20°	44738	44738	44866
25°	38062	38062	38328
30°	32495	32355	32634
35°	27752	27752	27900
40°	23831	23831	23988
45°	20824	20824	20995
50°	18326	18326	18326
55°	16214	16214	16424
60°	14604	14604	14604
65°	13081	13081	13081
70°	11682	11682	11682
75°	10447	9981	10447
80°	8827	8827	8827
85°	5335	5335	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 20995 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	7.5
10°-20°	81.1	17.7
20°-30°	92.3	20.2
30°-40°	82.9	18.1
40°-50°	66.4	14.5
50°-60°	48.8	10.7
60°-70°	31.9	7.0
70°-80°	16.5	3.6
80°-90°	3.8	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°	207.6	45.3
0°-40°	290.5	63.4
0°-60°	405.7	88.6
0°-90°	458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	458.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	383	383	383	383	383	
5°	370	370	370	370	371	34
15°	290	290	291	291	292	81
25°	200	200	200	201	202	92
35°	132	132	132	132	133	83
45°	86	86	86	86	86	66
55°	54	54	54	54	55	49
65°	32	32	32	32	32	32
75°	16	15	15	16	16	17
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	382.9	382.9	382.9	382.9	382.9
1°	382.2	381.5	382.2	382.2	382.9
2°	380.9	380.9	380.9	380.2	381.5
3°	378.1	378.1	378.8	378.1	378.8
4°	374.7	374.7	374.7	374.0	375.4
5°	369.9	369.9	369.9	369.9	370.6
6°	365.1	364.4	365.1	364.4	365.1
7°	358.3	358.3	359.0	358.3	359.0
8°	351.5	350.8	352.1	351.5	352.8
9°	344.6	343.9	344.6	343.9	346.0
10°	335.7	336.4	336.4	336.4	337.1
12.5°	315.2	313.8	313.8	313.8	315.2
15°	289.9	289.9	291.3	291.3	292.0
17.5°	267.4	266.7	268.0	268.0	268.0
20°	244.1	243.4	244.1	244.1	244.8
22.5°	220.9	221.5	221.5	221.5	222.2
25°	200.3	200.3	200.3	201.0	201.7
27.5°	181.2	180.5	181.2	181.9	182.6
30°	163.4	162.7	162.7	163.4	164.1
32.5°	147.0	146.3	147.0	147.0	147.7
35°	132.0	132.0	132.0	132.0	132.7
37.5°	118.3	118.3	118.3	119.0	119.0
40°	106.0	106.0	106.0	106.7	106.7
42.5°	95.0	95.0	95.0	95.7	96.4
45°	85.5	85.5	85.5	85.5	86.2
47.5°	76.6	76.6	76.6	77.3	77.3
50°	68.4	67.7	68.4	69.1	68.4
52.5°	60.9	60.9	60.9	60.9	61.5
55°	54.0	54.0	54.0	54.0	54.7
57.5°	47.9	47.9	47.9	48.5	48.5
60°	42.4	42.4	42.4	42.4	42.4
62.5°	36.9	36.9	36.9	36.9	36.9
65°	32.1	31.5	32.1	32.1	32.1
67.5°	27.4	27.4	27.4	27.4	27.4
70°	23.2	23.2	23.2	23.2	23.2
72.5°	19.1	19.1	19.1	19.1	19.1
75°	15.7	15.0	15.0	15.7	15.7
77.5°	12.3	11.6	12.3	12.3	12.3
80°	8.9	8.9	8.9	8.9	8.9
82.5°	5.5	5.5	5.5	6.2	6.2
85°	2.7	2.7	2.7	3.4	3.4
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)