

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: P1307129

Luminaire Tested: LDSQA3D13R209024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307129
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: LDSQA3D13R209024DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

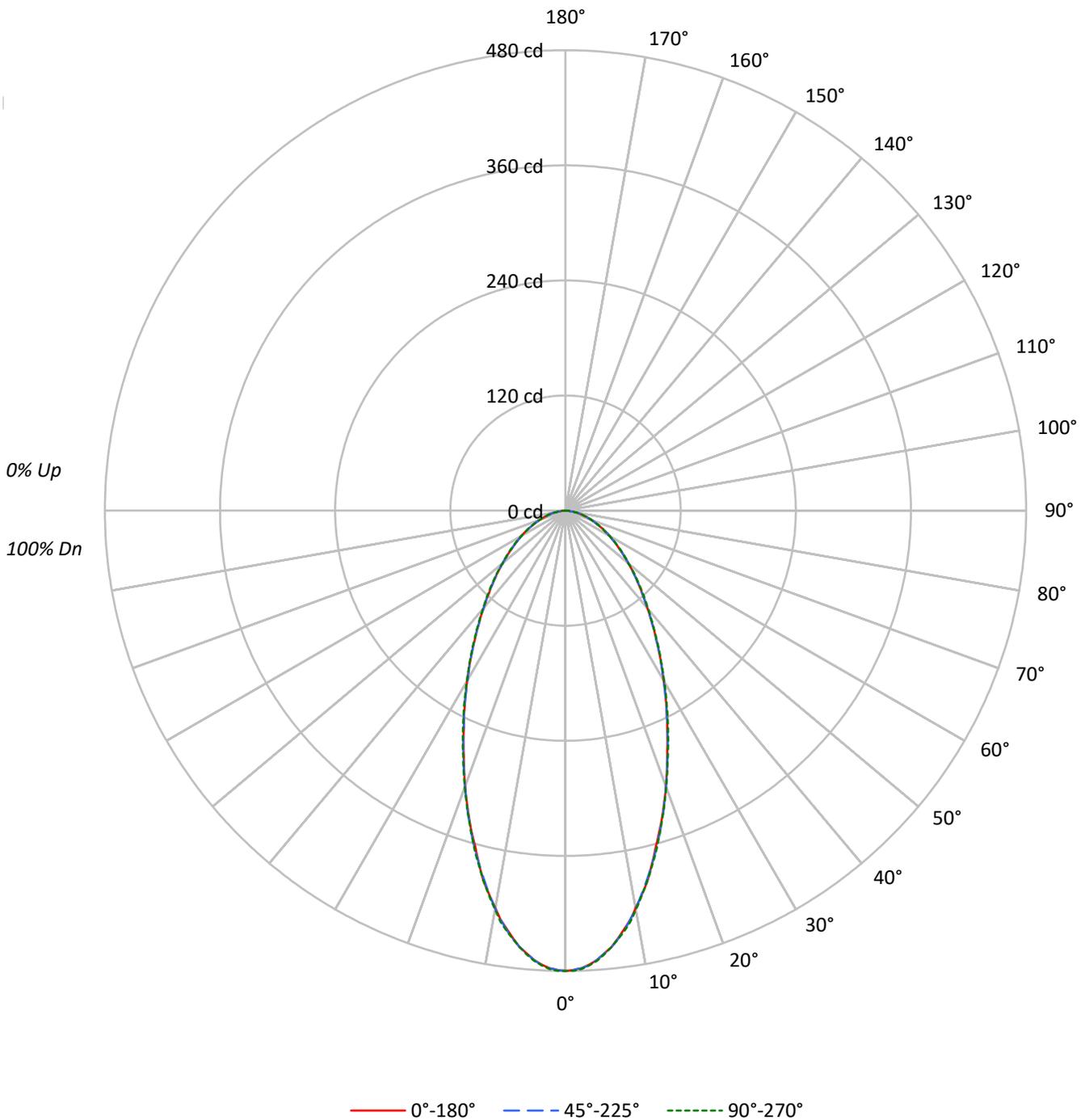
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 574.0 lumens
Efficiency: N/A
Efficacy: 39.3 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): 14.6
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





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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°	82650	82650	82650
5°	80147	80147	80303
10°	73589	73729	73887
15°	64776	65097	65239
20°	56064	56064	56229
25°	47716	47716	48039
30°	40728	40569	40907
35°	34775	34775	34943
40°	29856	29856	30059
45°	26085	26085	26304
50°	22962	22962	22962
55°	20328	20328	20598
60°	18290	18290	18290
65°	16423	16423	16423
70°	14653	14653	14653
75°	13109	12576	13109
80°	11009	11009	11009
85°	6719	6719	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 26304 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	7.5
10°-20°	101.6	17.7
20°-30°	115.7	20.2
30°-40°	103.9	18.1
40°-50°	83.2	14.5
50°-60°	61.2	10.7
60°-70°	40.0	7.0
70°-80°	20.7	3.6
80°-90°	4.8	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°	260.2	45.3
0°-40°	364.1	63.4
0°-60°	508.5	88.6
0°-90°	574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	574.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	480	480	480	480	480	
5°	464	464	464	464	464	43
15°	363	363	365	365	366	102
25°	251	251	251	252	253	116
35°	165	165	165	165	166	104
45°	107	107	107	107	108	83
55°	68	68	68	68	69	61
65°	40	39	40	40	40	40
75°	20	19	19	20	20	21
85°	3	3	3	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	479.9	479.9	479.9	479.9	479.9
1°	479.0	478.2	479.0	479.0	479.9
2°	477.3	477.3	477.3	476.5	478.2
3°	473.9	473.9	474.7	473.9	474.7
4°	469.6	469.6	469.6	468.8	470.5
5°	463.6	463.6	463.6	463.6	464.5
6°	457.6	456.8	457.6	456.8	457.6
7°	449.0	449.0	449.9	449.0	449.9
8°	440.5	439.6	441.3	440.5	442.2
9°	431.9	431.0	431.9	431.0	433.6
10°	420.8	421.6	421.6	421.6	422.5
12.5°	395.1	393.3	393.3	393.3	395.1
15°	363.3	363.3	365.1	365.1	365.9
17.5°	335.1	334.2	335.9	335.9	335.9
20°	305.9	305.1	305.9	305.9	306.8
22.5°	276.8	277.7	277.7	277.7	278.5
25°	251.1	251.1	251.1	251.9	252.8
27.5°	227.1	226.2	227.1	227.9	228.8
30°	204.8	204.0	204.0	204.8	205.7
32.5°	184.2	183.4	184.2	184.2	185.1
35°	165.4	165.4	165.4	165.4	166.2
37.5°	148.3	148.3	148.3	149.1	149.1
40°	132.8	132.8	132.8	133.7	133.7
42.5°	119.1	119.1	119.1	120.0	120.8
45°	107.1	107.1	107.1	107.1	108.0
47.5°	96.0	96.0	96.0	96.8	96.8
50°	85.7	84.8	85.7	86.6	85.7
52.5°	76.3	76.3	76.3	76.3	77.1
55°	67.7	67.7	67.7	67.7	68.6
57.5°	60.0	60.0	60.0	60.8	60.8
60°	53.1	53.1	53.1	53.1	53.1
62.5°	46.3	46.3	46.3	46.3	46.3
65°	40.3	39.4	40.3	40.3	40.3
67.5°	34.3	34.3	34.3	34.3	34.3
70°	29.1	29.1	29.1	29.1	29.1
72.5°	24.0	24.0	24.0	24.0	24.0
75°	19.7	18.9	18.9	19.7	19.7
77.5°	15.4	14.6	15.4	15.4	15.4
80°	11.1	11.1	11.1	11.1	11.1
82.5°	6.9	6.9	6.9	7.7	7.7
85°	3.4	3.4	3.4	4.3	4.3
87.5°	0.9	0.9	0.9	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)