

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: P1309747

Luminaire Tested: LDSQA3D24R509030D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R509030D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

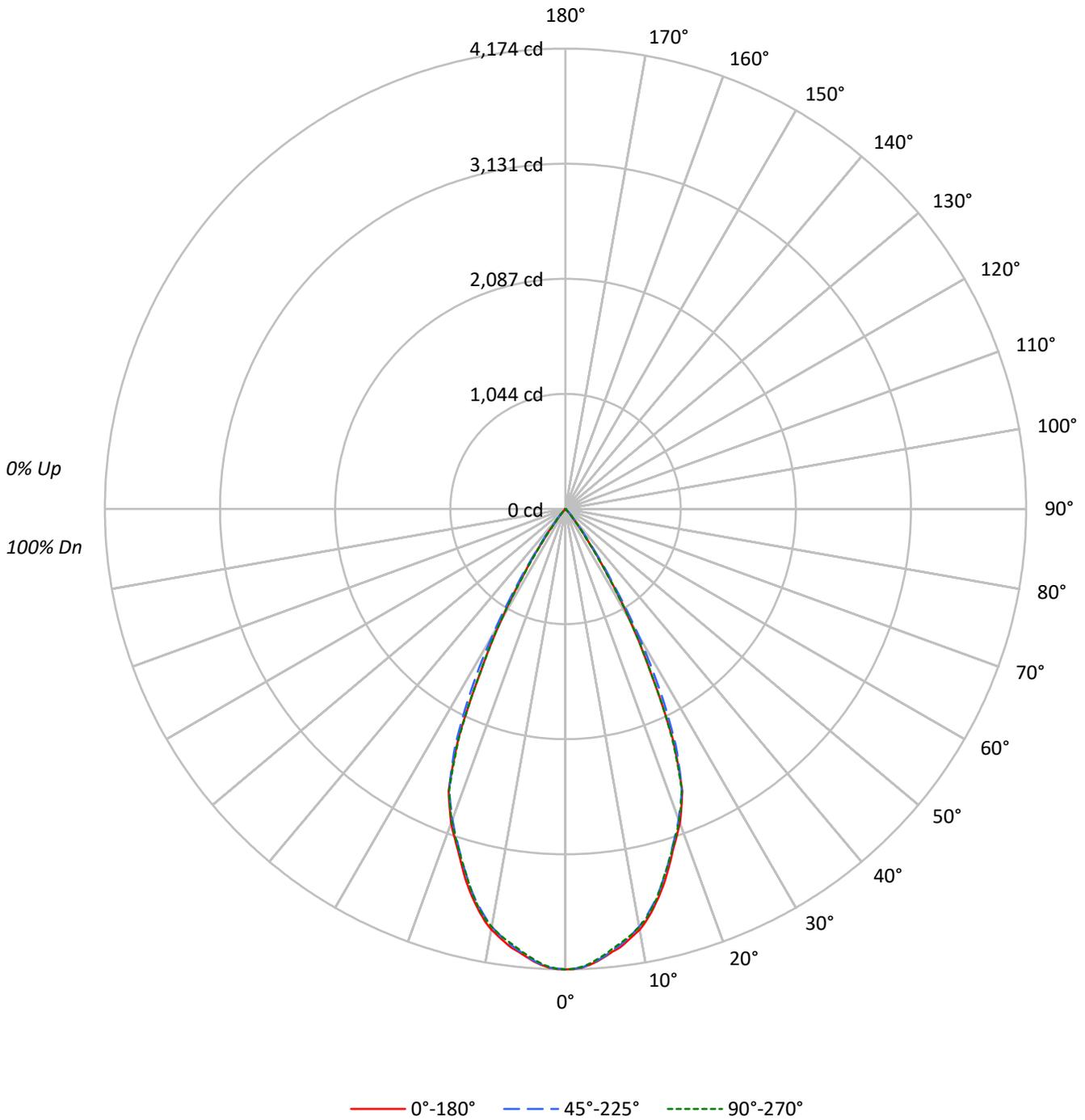
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2689.9 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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





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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	718875	718875	718875
5°	704799	703468	701497
10°	677203	672534	672866
15°	621672	615895	615199
20°	555398	549442	552246
25°	436510	449204	432881
30°	233528	261628	234303
35°	76277	89123	71862
40°	18885	23606	18031
45°	2314	8378	2314
50°	1527	2545	1527
55°	1711	1711	1711
60°	1309	1309	1309
65°	1549	1549	1549
70°	957	957	957
75°	1264	1264	1264
80°	1884	1884	1884
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 8378 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.7	14.2
10°-20°	965.3	35.9
20°-30°	1015.3	37.7
30°-40°	292.6	10.9
40°-50°	23.8	0.9
50°-60°	5.1	0.2
60°-70°	3.6	0.1
70°-80°	2.0	0.1
80°-90°	0.5	0.0
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°	2362.3	87.8
0°-40°	2654.9	98.7
0°-60°	2683.8	99.8
0°-90°	2689.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2689.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4174	4174	4174	4174	4174	
5°	4077	4075	4069	4073	4058	383
15°	3487	3464	3454	3454	3450	971
25°	2297	2354	2364	2337	2278	995
35°	363	376	424	363	342	280
45°	10	19	34	19	10	18
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4174.1	4174.1	4174.1	4174.1	4174.1
1°	4172.2	4176.1	4168.4	4181.8	4170.3
2°	4162.7	4164.6	4160.8	4170.3	4155.0
3°	4139.8	4143.6	4136.0	4143.6	4130.2
4°	4113.0	4113.0	4105.4	4111.1	4093.9
5°	4076.8	4074.8	4069.1	4072.9	4057.7
6°	4038.6	4036.7	4027.1	4027.1	4015.7
7°	4009.9	3996.6	3988.9	3987.0	3975.6
8°	3964.1	3960.3	3945.0	3945.0	3937.4
9°	3918.3	3914.5	3897.3	3901.1	3895.4
10°	3872.4	3859.1	3845.7	3847.6	3847.6
11°	3811.3	3799.9	3780.8	3788.4	3792.2
12°	3738.8	3725.4	3708.2	3723.5	3721.6
13°	3658.6	3647.1	3633.8	3645.2	3641.4
14°	3574.6	3557.4	3545.9	3553.6	3549.7
15°	3486.7	3463.8	3454.3	3454.3	3450.4
17.5°	3240.4	3227.0	3217.5	3211.8	3225.1
20°	3030.4	3018.9	2997.9	3003.6	3013.2
22.5°	2766.8	2764.9	2753.5	2743.9	2755.4
25°	2297.1	2354.4	2363.9	2337.2	2278.0
27.5°	1668.9	1802.6	1850.3	1787.3	1678.4
30°	1174.3	1237.3	1315.6	1191.5	1178.2
32.5°	708.4	725.6	798.2	712.2	693.1
35°	362.8	376.2	423.9	362.8	341.8
37.5°	169.9	177.6	196.7	169.9	158.5
40°	84.0	93.6	105.0	87.8	80.2
42.5°	36.3	47.7	61.1	45.8	32.5
45°	9.5	19.1	34.4	19.1	9.5
47.5°	5.7	7.6	19.1	7.6	5.7
50°	5.7	5.7	9.5	5.7	5.7
52.5°	5.7	5.7	5.7	5.7	5.7
55°	5.7	5.7	5.7	5.7	5.7
57.5°	5.7	5.7	5.7	5.7	5.7
60°	3.8	5.7	3.8	5.7	3.8
62.5°	3.8	3.8	3.8	3.8	3.8
65°	3.8	3.8	3.8	3.8	3.8
67.5°	3.8	3.8	3.8	3.8	3.8
70°	1.9	1.9	1.9	1.9	1.9
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	0.0	1.9	0.0	1.9	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)