

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: P1307159

Luminaire Tested: LDSQA3D13R309024DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309024DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

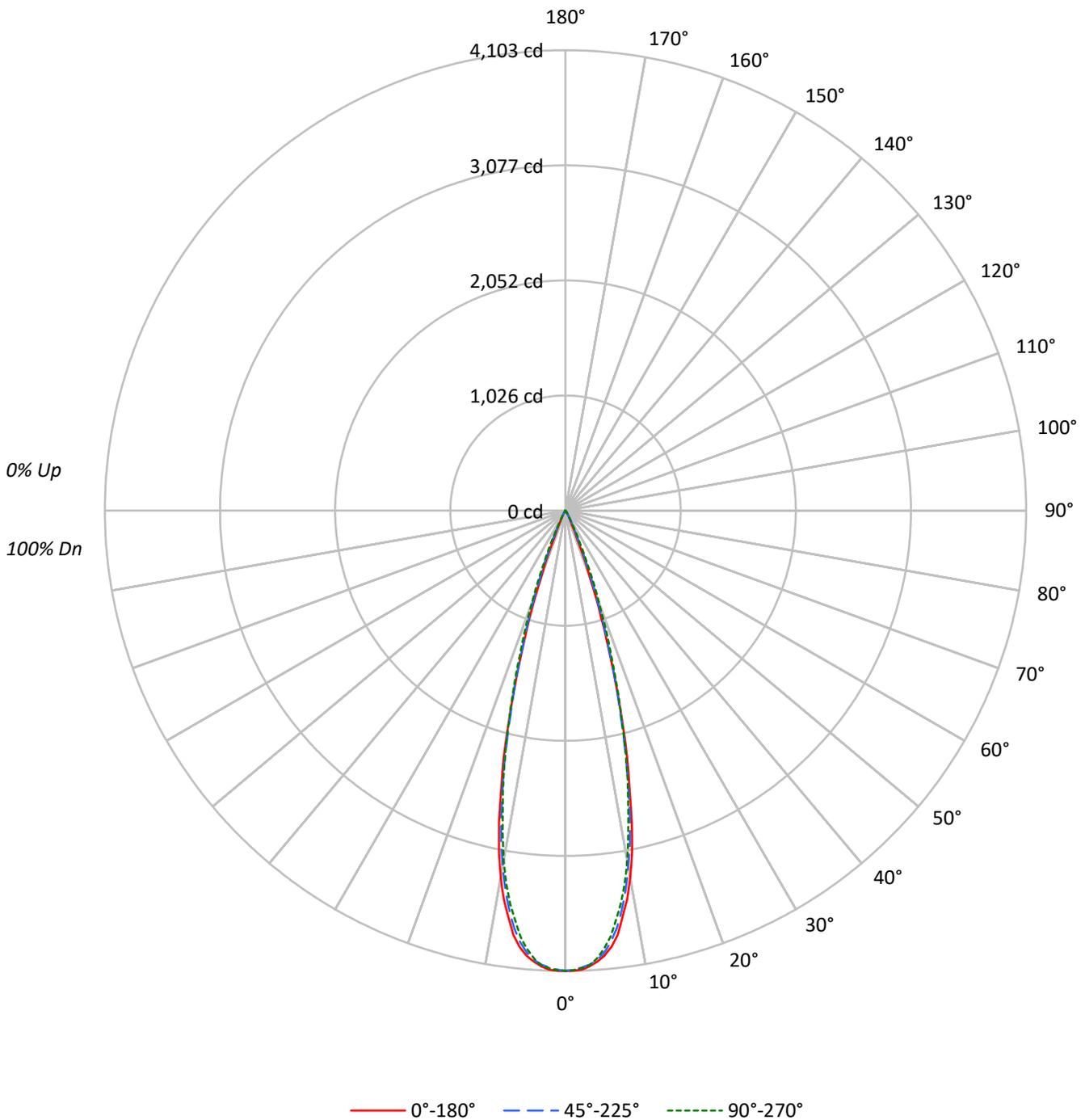
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 994.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
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 (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				
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	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	706509	706509	706509
5°	688306	683570	677951
10°	580880	563042	553896
15°	350052	340282	346540
20°	118744	137108	158167
25°	21815	34205	40381
30°	7497	8352	9367
35°	2166	2712	2880
40°	585	967	764
45°	219	219	219
50°	241	0	241
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 255 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.7	35.7
10°-20°	518.4	52.2
20°-30°	109.7	11.0
30°-40°	10.1	1.0
40°-50°	1.0	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	982.9	98.9
0°-40°	993.0	99.9
0°-60°	994.0	100.0
0°-90°	994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	994.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4102	4102	4102	4102	4102	
5°	3981	3974	3954	3942	3922	359
15°	1963	1956	1908	1953	1944	518
25°	115	128	180	212	212	84
35°	10	13	13	15	14	9
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4102.3	4102.3	4102.3	4102.3	4102.3
1°	4103.1	4098.9	4092.9	4101.4	4095.4
2°	4094.6	4084.3	4075.7	4084.3	4081.7
3°	4068.9	4060.3	4054.3	4058.6	4058.6
4°	4030.3	4020.9	4015.7	4016.6	4003.7
5°	3981.4	3973.7	3954.0	3942.0	3921.5
6°	3909.5	3890.6	3866.6	3846.9	3820.3
7°	3811.8	3782.6	3748.4	3714.1	3680.7
8°	3654.9	3641.2	3595.0	3571.8	3538.4
9°	3507.5	3474.1	3424.4	3386.7	3368.7
10°	3321.6	3271.9	3219.6	3189.6	3167.3
11°	3101.3	3050.8	3008.8	2965.1	2930.8
12°	2842.5	2799.7	2751.7	2722.6	2682.3
13°	2535.8	2529.8	2475.8	2466.3	2461.2
14°	2272.7	2248.7	2195.5	2210.1	2213.5
15°	1963.3	1956.4	1908.5	1953.0	1943.6
17.5°	1229.7	1232.3	1262.3	1332.6	1354.9
20°	647.9	667.6	748.1	833.0	863.0
22.5°	262.2	305.9	388.2	445.6	484.2
25°	114.8	128.5	180.0	211.7	212.5
27.5°	65.1	66.0	86.6	90.0	91.7
30°	37.7	38.6	42.0	44.6	47.1
32.5°	20.6	22.3	23.1	26.6	26.6
35°	10.3	12.9	12.9	15.4	13.7
37.5°	6.0	6.9	7.7	7.7	6.9
40°	2.6	3.4	4.3	4.3	3.4
42.5°	0.9	1.7	1.7	1.7	2.6
45°	0.9	0.9	0.9	0.9	0.9
47.5°	0.9	0.9	0.0	0.9	0.9
50°	0.9	0.0	0.0	0.0	0.9
52.5°	0.9	0.0	0.0	0.0	0.9
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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)