

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: P1308876

Luminaire Tested: LDSQA3D05R159030DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159030DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

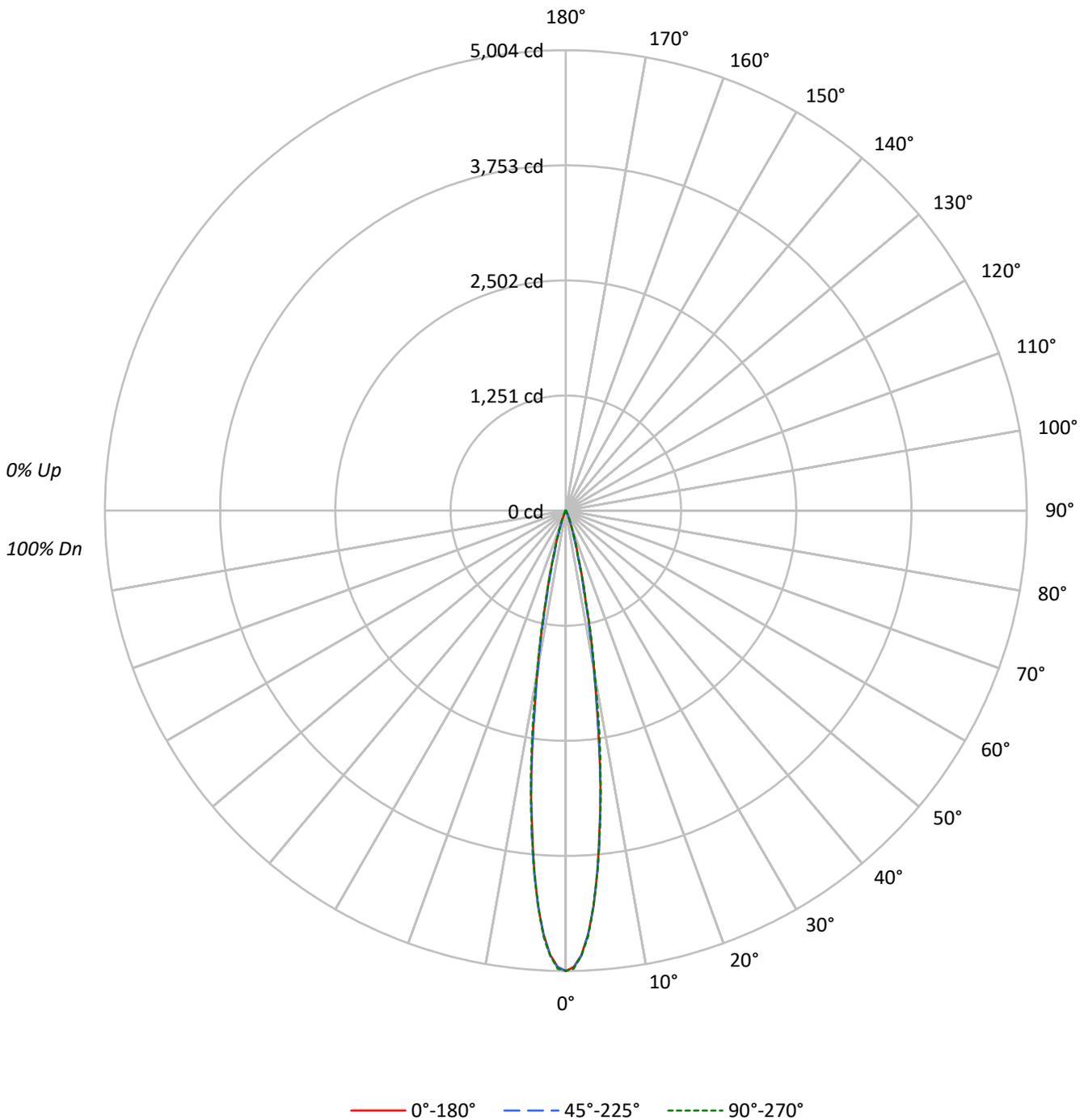
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 501.0 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	861716	861716	861716
5°	679714	681530	679109
10°	310971	302821	317546
15°	92465	82552	90593
20°	27455	26630	28829
25°	7810	10090	9045
30°	2784	2983	2685
35°	1051	946	946
40°	450	225	337
45°	244	122	244
50°	134	0	134
55°	150	0	150
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: 47.5°

Luminance: 255 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.3	60.3
10°-20°	167.8	33.5
20°-30°	26.7	5.3
30°-40°	3.5	0.7
40°-50°	0.5	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°	496.9	99.2
0°-40°	500.4	99.9
0°-60°	501.0	100.0
0°-90°	501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5004	5004	5004	5004	5004	
5°	3932	3965	3942	3926	3928	302
15°	519	512	463	492	508	171
25°	41	46	53	53	48	25
35°	5	5	4	5	4	4
45°	1	1	0	0	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5003.5	5003.5	5003.5	5003.5	5003.5	5003.5	5003.5	5003.5	5003.5	5003.5	5003.5
1°	4960.4	4965.9	4972.9	4966.4	4960.4	4965.9	4958.4	4959.4	4953.4	4966.4	4980.9
2°	4834.1	4841.1	4837.1	4828.1	4842.1	4843.1	4827.6	4820.1	4819.1	4832.1	4837.1
3°	4610.6	4626.7	4627.2	4624.2	4619.7	4610.6	4594.6	4605.1	4590.6	4581.6	4632.7
4°	4313.5	4327.6	4344.1	4333.1	4300.0	4303.0	4313.5	4277.9	4280.0	4300.5	4302.0
5°	3931.7	3974.3	3976.3	3960.8	3934.7	3942.2	3934.7	3924.7	3928.2	3941.2	3928.2
6°	3482.3	3530.4	3494.8	3528.9	3521.4	3530.9	3533.4	3522.9	3530.4	3522.4	3519.9
7°	3094.0	3057.4	3062.4	3048.4	3063.4	3073.4	3079.4	3061.4	3075.9	3099.0	3105.5
8°	2612.5	2601.9	2591.4	2616.5	2609.5	2621.5	2629.0	2649.0	2648.0	2655.1	2678.1
9°	2154.0	2169.5	2179.1	2157.0	2176.1	2139.0	2152.0	2205.6	2191.6	2205.6	2246.7
10°	1778.2	1790.7	1776.7	1776.2	1756.2	1731.6	1730.1	1750.2	1792.2	1825.3	1815.8
12.5°	981.1	992.1	993.6	992.6	956.5	915.9	923.4	939.5	965.5	976.5	994.6
15°	518.6	518.1	523.6	508.1	489.0	463.0	465.0	487.0	506.6	511.6	508.1
17.5°	266.1	267.1	271.1	267.1	247.0	249.5	255.0	257.5	269.1	273.6	271.1
20°	149.8	150.3	149.8	151.3	143.3	145.3	152.3	152.8	155.3	157.8	157.3
22.5°	85.7	86.2	89.2	88.2	86.2	88.7	90.2	92.7	93.7	92.7	95.7
25°	41.1	41.6	41.6	47.6	50.6	53.1	54.1	53.1	52.1	48.1	47.6
27.5°	23.5	23.5	24.6	25.1	26.1	30.6	30.1	25.1	21.0	21.0	21.5
30°	14.0	13.5	13.5	14.0	14.5	15.0	14.0	13.5	13.5	14.0	13.5
32.5°	8.5	8.5	8.5	8.0	8.0	7.5	7.5	8.5	8.5	8.5	8.5
35°	5.0	5.0	5.0	5.0	4.5	4.5	4.5	5.0	5.0	4.5	4.5
37.5°	3.0	3.0	3.0	2.5	2.5	2.0	2.5	2.5	2.5	2.5	2.5
40°	2.0	2.0	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5	1.5
42.5°	1.5	1.5	1.0	1.0	0.5	0.5	0.5	1.0	1.0	1.0	1.0
45°	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
47.5°	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
50°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
52.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)