

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: P1315251

Luminaire Tested: LDSQA3D05R159735DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315251
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: LDSQA3D05R159735DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

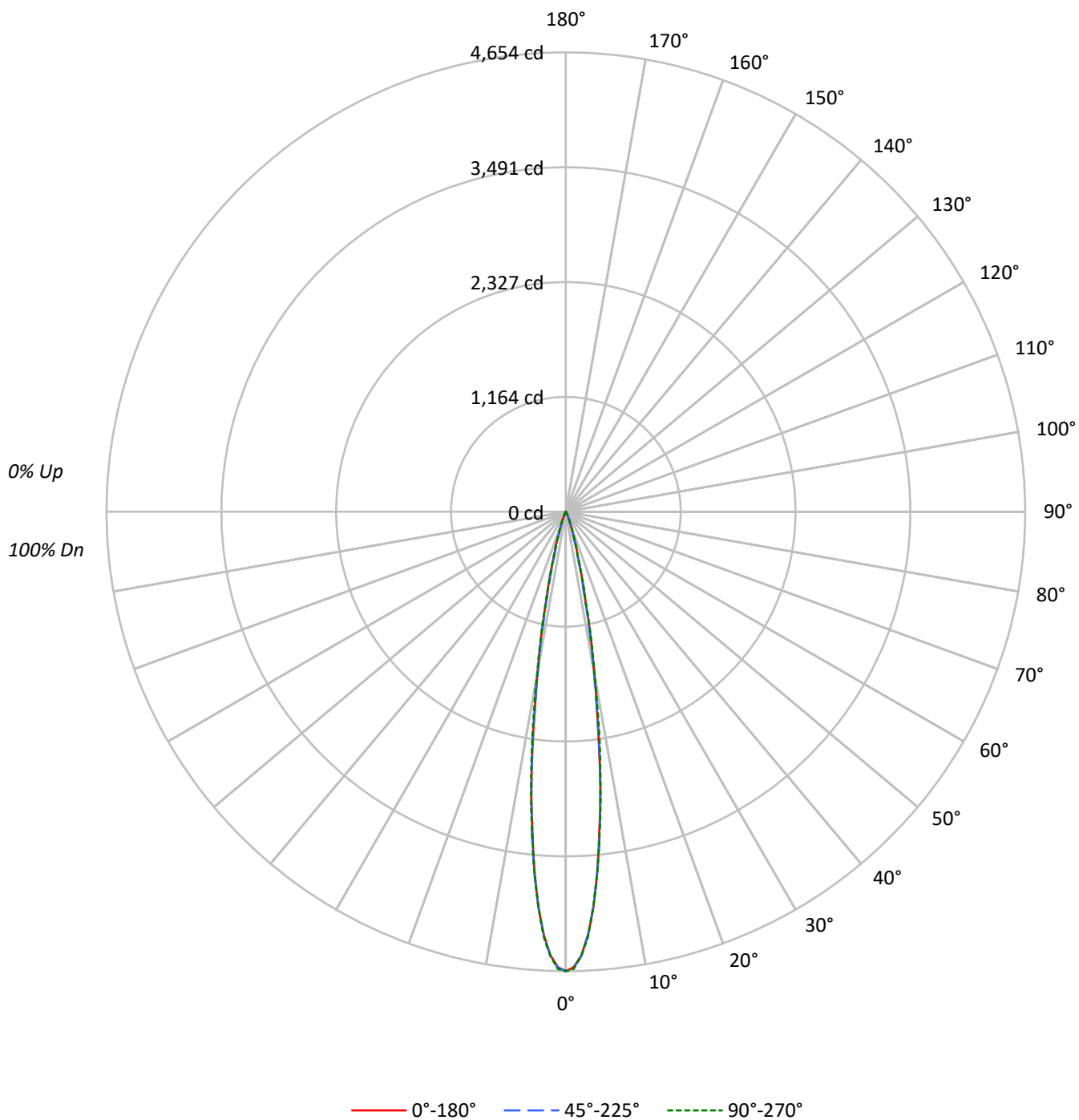
Lumens per Lamp: N/A
Luminaire Lumens: 466.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	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
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	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
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	801507	801507	801507
5°	632241	633918	631671
10°	289251	281678	295354
15°	86011	76775	84264
20°	25530	24779	26813
25°	7259	9387	8418
30°	2585	2784	2506
35°	988	883	883
40°	427	202	315
45°	219	122	219
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: 229 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.2	60.3
10°-20°	156.1	33.5
20°-30°	24.8	5.3
30°-40°	3.3	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°	462.2	99.2
0°-40°	465.4	99.9
0°-60°	466.0	100.0
0°-90°	466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	466.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4654	4654	4654	4654	4654	
5°	3657	3688	3667	3651	3654	281
15°	482	476	431	458	473	159
25°	38	43	49	49	44	23
35°	5	5	4	5	4	3
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4653.9	4653.9	4653.9	4653.9	4653.9	4653.9	4653.9	4653.9	4653.9	4653.9	4653.9
1°	4613.8	4619.0	4625.5	4619.4	4613.8	4619.0	4612.0	4612.9	4607.3	4619.4	4633.0
2°	4496.4	4502.9	4499.2	4490.8	4503.9	4504.8	4490.3	4483.4	4482.4	4494.5	4499.2
3°	4288.5	4303.5	4303.9	4301.1	4296.9	4288.5	4273.6	4283.4	4269.9	4261.5	4309.1
4°	4012.2	4025.2	4040.6	4030.4	3999.6	4002.4	4012.2	3979.1	3981.0	4000.1	4001.5
5°	3657.1	3696.7	3698.5	3684.1	3659.8	3666.8	3659.8	3650.5	3653.8	3665.9	3653.8
6°	3239.0	3283.8	3250.7	3282.4	3275.4	3284.2	3286.5	3276.8	3283.8	3276.3	3274.0
7°	2877.8	2843.8	2848.5	2835.4	2849.4	2858.7	2864.3	2847.5	2861.0	2882.5	2888.5
8°	2430.0	2420.2	2410.4	2433.7	2427.2	2438.3	2445.3	2464.0	2463.0	2469.6	2491.0
9°	2003.5	2018.0	2026.8	2006.3	2024.0	1989.5	2001.7	2051.5	2038.5	2051.5	2089.7
10°	1654.0	1665.6	1652.6	1652.1	1633.5	1610.7	1609.3	1627.9	1667.0	1697.8	1688.9
12.5°	912.5	922.8	924.2	923.2	889.7	851.9	858.9	873.8	898.1	908.3	925.1
15°	482.4	481.9	487.0	472.6	454.9	430.6	432.5	453.0	471.2	475.8	472.6
17.5°	247.5	248.4	252.1	248.4	229.8	232.1	237.2	239.5	250.3	254.5	252.1
20°	139.3	139.8	139.3	140.7	133.3	135.2	141.7	142.1	144.5	146.8	146.3
22.5°	79.7	80.2	83.0	82.0	80.2	82.5	83.9	86.2	87.2	86.2	89.0
25°	38.2	38.7	38.7	44.3	47.1	49.4	50.3	49.4	48.5	44.7	44.3
27.5°	21.9	21.9	22.8	23.3	24.2	28.4	28.0	23.3	19.6	19.6	20.0
30°	13.0	12.6	12.6	13.0	13.5	14.0	13.0	12.6	12.6	13.0	12.6
32.5°	7.9	7.9	7.9	7.5	7.5	7.0	7.0	7.9	7.9	7.9	7.9
35°	4.7	4.7	4.7	4.7	4.2	4.2	4.2	4.7	4.7	4.2	4.2
37.5°	2.8	2.8	2.8	2.3	2.3	1.9	2.3	2.3	2.3	2.3	2.3
40°	1.9	1.9	1.4	1.4	0.9	0.9	0.9	1.4	1.4	1.4	1.4
42.5°	1.4	1.4	0.9	0.9	0.5	0.5	0.5	0.9	0.9	0.9	0.9
45°	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9
47.5°	0.9	0.9	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)