

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: P1314435

Luminaire Tested: LDSQA3D09R159730DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314435
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: LDSQA3D09R159730DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

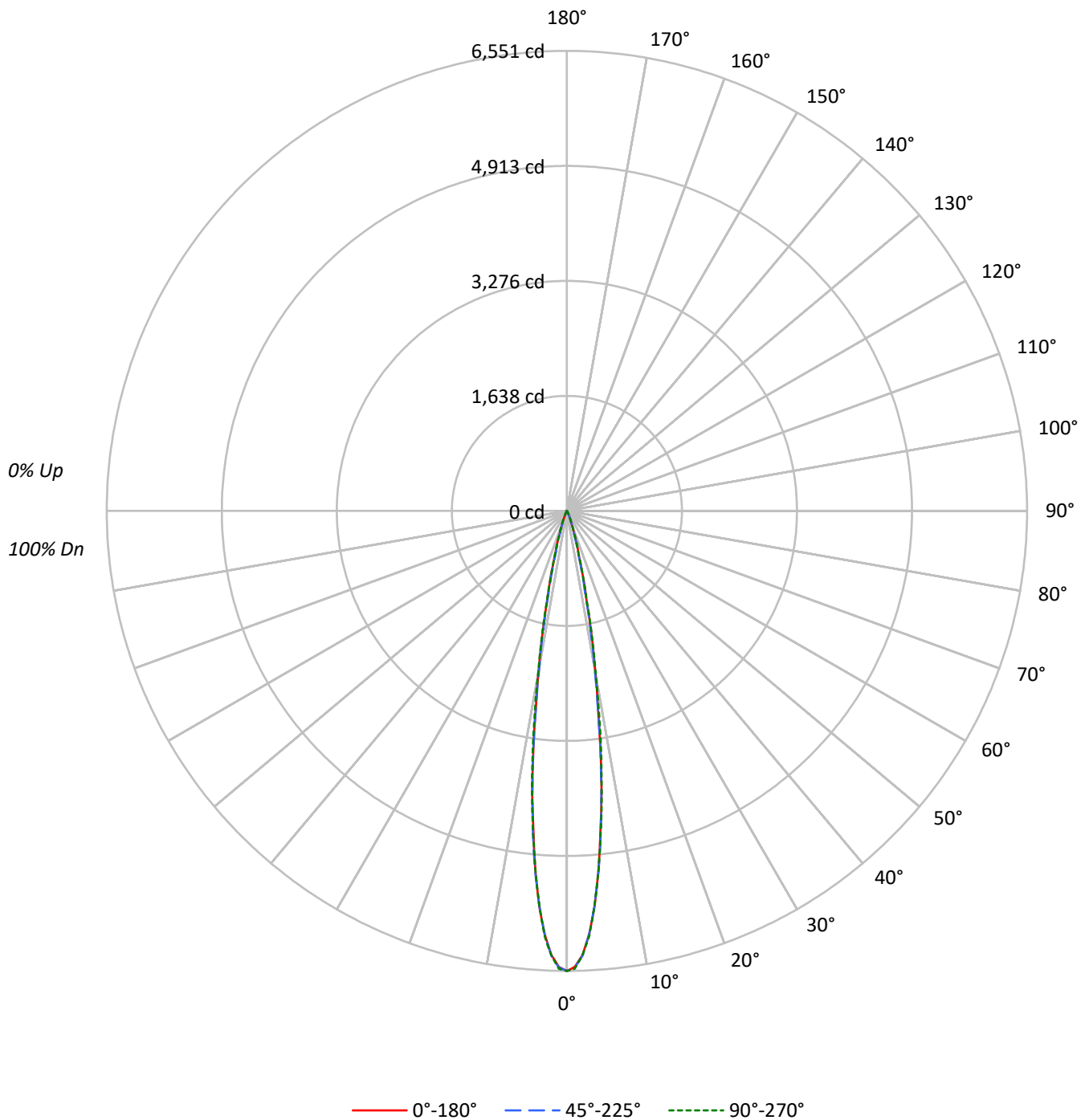
Lumens per Lamp: N/A
Luminaire Lumens: 656.0 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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					0
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	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98	98	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	97	97	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95	95	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93	93	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92	92	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	90	90	90
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	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°	1128299	1128299	1128299
5°	890006	892392	889211
10°	407189	396522	415793
15°	121064	108084	118604
20°	35959	34877	37755
25°	10223	13207	11839
30°	3659	3918	3520
35°	1388	1240	1240
40°	585	292	450
45°	317	170	317
50°	188	0	188
55°	210	0	210
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: 331 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.8	60.3
10°-20°	219.8	33.5
20°-30°	35.0	5.3
30°-40°	4.6	0.7
40°-50°	0.7	0.1
50°-60°	0.2	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°	650.6	99.2
0°-40°	655.2	99.9
0°-60°	656.0	100.0
0°-90°	656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6551	6551	6551	6551	6551	
5°	5148	5191	5162	5140	5144	395
15°	679	670	606	644	665	224
25°	54	60	70	69	62	33
35°	7	7	6	7	6	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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°	6551.4	6551.4	6551.4	6551.4	6551.4	6551.4	6551.4	6551.4	6551.4	6551.4	6551.4
1°	6495.0	6502.2	6511.4	6502.9	6495.0	6502.2	6492.4	6493.7	6485.8	6502.9	6521.9
2°	6329.7	6338.9	6333.6	6321.8	6340.2	6341.5	6321.2	6311.3	6310.0	6327.1	6333.6
3°	6037.1	6058.1	6058.7	6054.8	6048.9	6037.1	6016.1	6029.9	6010.9	5999.0	6066.0
4°	5648.0	5666.4	5688.1	5673.6	5630.3	5634.3	5648.0	5601.5	5604.1	5631.0	5633.0
5°	5148.1	5203.9	5206.5	5186.2	5152.1	5161.9	5152.1	5138.9	5143.5	5160.6	5143.5
6°	4559.6	4622.6	4576.0	4620.7	4610.8	4623.3	4626.6	4612.8	4622.6	4612.1	4608.8
7°	4051.2	4003.3	4009.9	3991.5	4011.2	4024.3	4032.2	4008.5	4027.6	4057.8	4066.3
8°	3420.7	3406.9	3393.2	3426.0	3416.8	3432.5	3442.4	3468.6	3467.3	3476.5	3506.7
9°	2820.4	2840.8	2853.2	2824.4	2849.3	2800.7	2817.8	2888.0	2869.6	2888.0	2941.8
10°	2328.4	2344.8	2326.4	2325.7	2299.5	2267.4	2265.4	2291.6	2346.7	2390.0	2377.6
12.5°	1284.6	1299.0	1301.0	1299.7	1252.4	1199.3	1209.1	1230.1	1264.2	1278.7	1302.3
15°	679.0	678.4	685.6	665.2	640.3	606.2	608.8	637.7	663.3	669.8	665.2
17.5°	348.4	349.7	354.9	349.7	323.4	326.7	333.9	337.2	352.3	358.2	354.9
20°	196.2	196.8	196.2	198.1	187.6	190.3	199.4	200.1	203.4	206.7	206.0
22.5°	112.2	112.8	116.8	115.5	112.8	116.1	118.1	121.4	122.7	121.4	125.3
25°	53.8	54.5	54.5	62.3	66.3	69.5	70.9	69.5	68.2	63.0	62.3
27.5°	30.8	30.8	32.1	32.8	34.1	40.0	39.4	32.8	27.6	27.6	28.2
30°	18.4	17.7	17.7	18.4	19.0	19.7	18.4	17.7	17.7	18.4	17.7
32.5°	11.2	11.2	11.2	10.5	10.5	9.8	9.8	11.2	11.2	11.2	11.2
35°	6.6	6.6	6.6	6.6	5.9	5.9	5.9	6.6	6.6	5.9	5.9
37.5°	3.9	3.9	3.9	3.3	3.3	2.6	3.3	3.3	3.3	3.3	3.3
40°	2.6	2.6	2.0	2.0	1.3	1.3	1.3	2.0	2.0	2.0	2.0
42.5°	2.0	2.0	1.3	1.3	0.7	0.7	0.7	1.3	1.3	1.3	1.3
45°	1.3	1.3	1.3	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3
47.5°	1.3	1.3	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7
50°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
52.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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	0.7	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)