

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: P1318310

Luminaire Tested: LDSQA3D13R159830DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318310
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: LDSQA3D13R159830DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

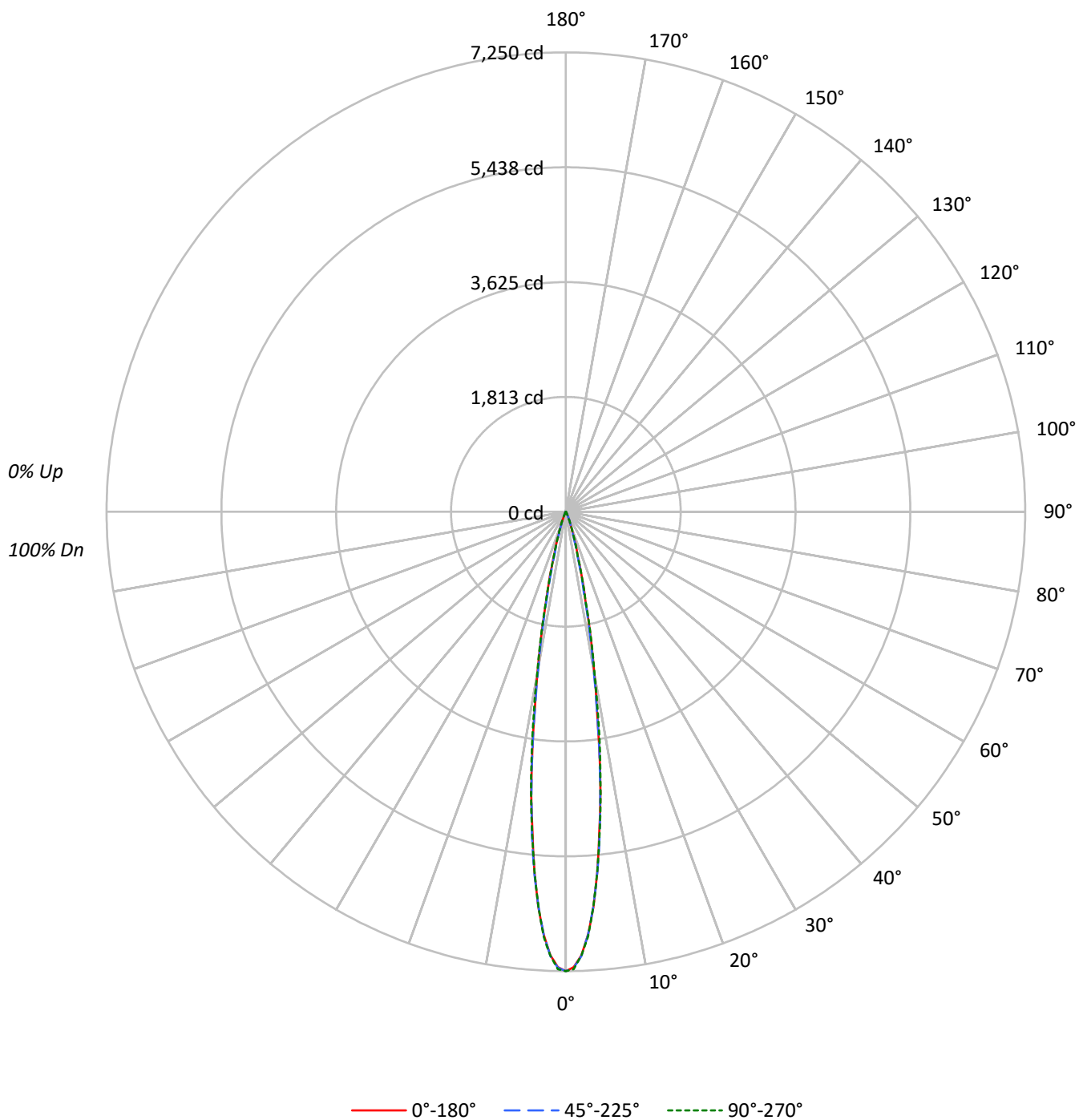
Lumens per Lamp: N/A
Luminaire Lumens: 726.0 lumens
Efficiency: N/A
Efficacy: 50.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	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	104	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°	1248700	1248700	1248700
5°	984987	987614	984105
10°	450629	438825	460160
15°	133991	119620	131263
20°	39789	38598	41787
25°	11307	14632	13112
30°	4037	4335	3898
35°	1535	1367	1367
40°	652	337	495
45°	365	170	365
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: 382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.1	60.3
10°-20°	243.2	33.5
20°-30°	38.7	5.3
30°-40°	5.1	0.7
40°-50°	0.8	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°	720.0	99.2
0°-40°	725.1	99.9
0°-60°	726.0	100.0
0°-90°	726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	726.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7250	7250	7250	7250	7250	
5°	5698	5745	5713	5689	5692	437
15°	752	742	671	713	736	248
25°	60	67	77	77	69	36
35°	7	7	6	7	6	5
45°	2	1	1	1	2	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°	7250.5	7250.5	7250.5	7250.5	7250.5	7250.5	7250.5	7250.5	7250.5	7250.5	7250.5
1°	7188.1	7196.1	7206.2	7196.8	7188.1	7196.1	7185.2	7186.6	7177.9	7196.8	7217.9
2°	7005.1	7015.3	7009.5	6996.4	7016.7	7018.2	6995.7	6984.8	6983.3	7002.2	7009.5
3°	6681.3	6704.5	6705.3	6700.9	6694.4	6681.3	6658.1	6673.3	6652.3	6639.2	6713.2
4°	6250.7	6271.1	6295.0	6279.1	6231.1	6235.5	6250.7	6199.2	6202.1	6231.9	6234.0
5°	5697.5	5759.2	5762.1	5739.6	5701.8	5712.7	5701.8	5687.3	5692.4	5711.3	5692.4
6°	5046.2	5115.9	5064.3	5113.7	5102.8	5116.6	5120.2	5105.0	5115.9	5104.3	5100.6
7°	4483.5	4430.5	4437.7	4417.4	4439.2	4453.7	4462.4	4436.3	4457.3	4490.7	4500.2
8°	3785.7	3770.5	3755.2	3791.5	3781.4	3798.8	3809.7	3838.7	3837.3	3847.4	3880.8
9°	3121.4	3143.9	3157.7	3125.7	3153.3	3099.6	3118.5	3196.2	3175.8	3196.2	3255.7
10°	2576.8	2595.0	2574.6	2573.9	2544.9	2509.3	2507.1	2536.2	2597.2	2645.1	2631.3
12.5°	1421.6	1437.6	1439.8	1438.3	1386.1	1327.3	1338.1	1361.4	1399.1	1415.1	1441.2
15°	751.5	750.8	758.7	736.2	708.6	670.9	673.8	705.7	734.1	741.3	736.2
17.5°	385.5	387.0	392.8	387.0	358.0	361.6	369.6	373.2	389.9	396.4	392.8
20°	217.1	217.8	217.1	219.3	207.7	210.6	220.7	221.5	225.1	228.7	228.0
22.5°	124.2	124.9	129.2	127.8	124.9	128.5	130.7	134.3	135.8	134.3	138.7
25°	59.5	60.3	60.3	69.0	73.3	77.0	78.4	77.0	75.5	69.7	69.0
27.5°	34.1	34.1	35.6	36.3	37.8	44.3	43.6	36.3	30.5	30.5	31.2
30°	20.3	19.6	19.6	20.3	21.1	21.8	20.3	19.6	19.6	20.3	19.6
32.5°	12.3	12.3	12.3	11.6	11.6	10.9	10.9	12.3	12.3	12.3	12.3
35°	7.3	7.3	7.3	7.3	6.5	6.5	6.5	7.3	7.3	6.5	6.5
37.5°	4.4	4.4	4.4	3.6	3.6	2.9	3.6	3.6	3.6	3.6	3.6
40°	2.9	2.9	2.2	2.2	1.5	1.5	1.5	2.2	2.2	2.2	2.2
42.5°	2.2	2.2	1.5	1.5	0.7	0.7	0.7	1.5	1.5	1.5	1.5
45°	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
47.5°	1.5	1.5	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)