

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: P1327405

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQPHR1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327405
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: LDSQA3D13R15W2N902750DE010 3LSQPHR1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

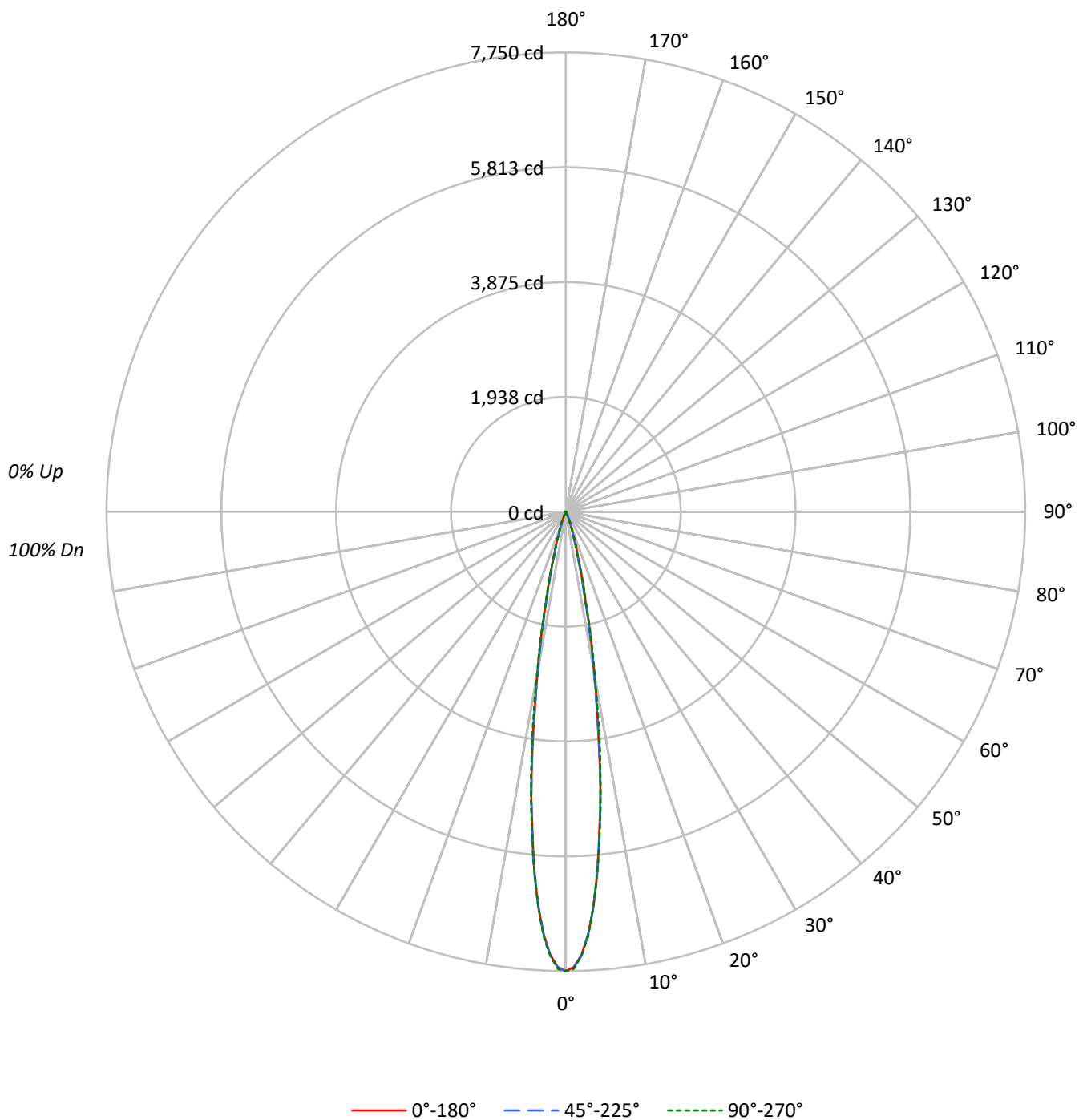
Lumens per Lamp: N/A
Luminaire Lumens: 776.0 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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°	1334708	1334708	1334708
5°	1052825	1055643	1051874
10°	481670	469044	491848
15°	143209	127857	140303
20°	42520	41255	44664
25°	12086	15639	14005
30°	4315	4634	4176
35°	1640	1472	1472
40°	697	360	517
45°	390	195	390
50°	214	0	214
55°	240	0	240
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: 408 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.2	60.3
10°-20°	260.0	33.5
20°-30°	41.4	5.3
30°-40°	5.4	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°	769.6	99.2
0°-40°	775.0	99.9
0°-60°	776.0	100.0
0°-90°	776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7750	7750	7750	7750	7750	
5°	6090	6141	6106	6080	6084	467
15°	803	793	717	762	787	265
25°	64	71	82	82	74	39
35°	8	8	7	8	7	6
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7749.9	7749.9	7749.9	7749.9	7749.9	7749.9	7749.9	7749.9	7749.9	7749.9	7749.9
1°	7683.1	7691.7	7702.5	7692.5	7683.1	7691.7	7680.0	7681.6	7672.3	7692.5	7715.0
2°	7487.6	7498.4	7492.2	7478.3	7500.0	7501.5	7477.5	7465.8	7464.3	7484.5	7492.2
3°	7141.4	7166.3	7167.0	7162.4	7155.4	7141.4	7116.6	7132.9	7110.4	7096.4	7175.6
4°	6681.2	6703.0	6728.6	6711.5	6660.3	6664.9	6681.2	6626.1	6629.2	6661.0	6663.4
5°	6089.9	6155.8	6158.9	6134.9	6094.5	6106.2	6094.5	6079.0	6084.4	6104.6	6084.4
6°	5393.7	5468.2	5413.1	5465.9	5454.3	5469.0	5472.9	5456.6	5468.2	5455.8	5451.9
7°	4792.3	4735.6	4743.4	4721.6	4744.9	4760.4	4769.8	4741.8	4764.3	4800.0	4810.1
8°	4046.5	4030.2	4013.9	4052.7	4041.8	4060.4	4072.1	4103.1	4101.6	4112.4	4148.1
9°	3336.3	3360.4	3375.1	3341.0	3370.5	3313.1	3333.2	3416.3	3394.6	3416.3	3479.9
10°	2754.3	2773.7	2752.0	2751.2	2720.1	2682.1	2679.8	2710.8	2776.0	2827.2	2812.5
12.5°	1519.6	1536.6	1539.0	1537.4	1481.5	1418.7	1430.3	1455.1	1495.5	1512.6	1540.5
15°	803.2	802.5	811.0	786.9	757.4	717.1	720.2	754.3	784.6	792.4	786.9
17.5°	412.1	413.6	419.9	413.6	382.6	386.5	395.0	398.9	416.8	423.7	419.9
20°	232.0	232.8	232.0	234.4	222.0	225.1	235.9	236.7	240.6	244.5	243.7
22.5°	132.7	133.5	138.1	136.6	133.5	137.4	139.7	143.6	145.1	143.6	148.2
25°	63.6	64.4	64.4	73.7	78.4	82.3	83.8	82.3	80.7	74.5	73.7
27.5°	36.5	36.5	38.0	38.8	40.4	47.3	46.6	38.8	32.6	32.6	33.4
30°	21.7	21.0	21.0	21.7	22.5	23.3	21.7	21.0	21.0	21.7	21.0
32.5°	13.2	13.2	13.2	12.4	12.4	11.6	11.6	13.2	13.2	13.2	13.2
35°	7.8	7.8	7.8	7.8	7.0	7.0	7.0	7.8	7.8	7.0	7.0
37.5°	4.7	4.7	4.7	3.9	3.9	3.1	3.9	3.9	3.9	3.9	3.9
40°	3.1	3.1	2.3	2.3	1.6	1.6	1.6	2.3	2.3	2.3	2.3
42.5°	2.3	2.3	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6	1.6
45°	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
47.5°	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
50°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
52.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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	0.8	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)