

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: P1327408

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQPHR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327408
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 3LSQPHR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

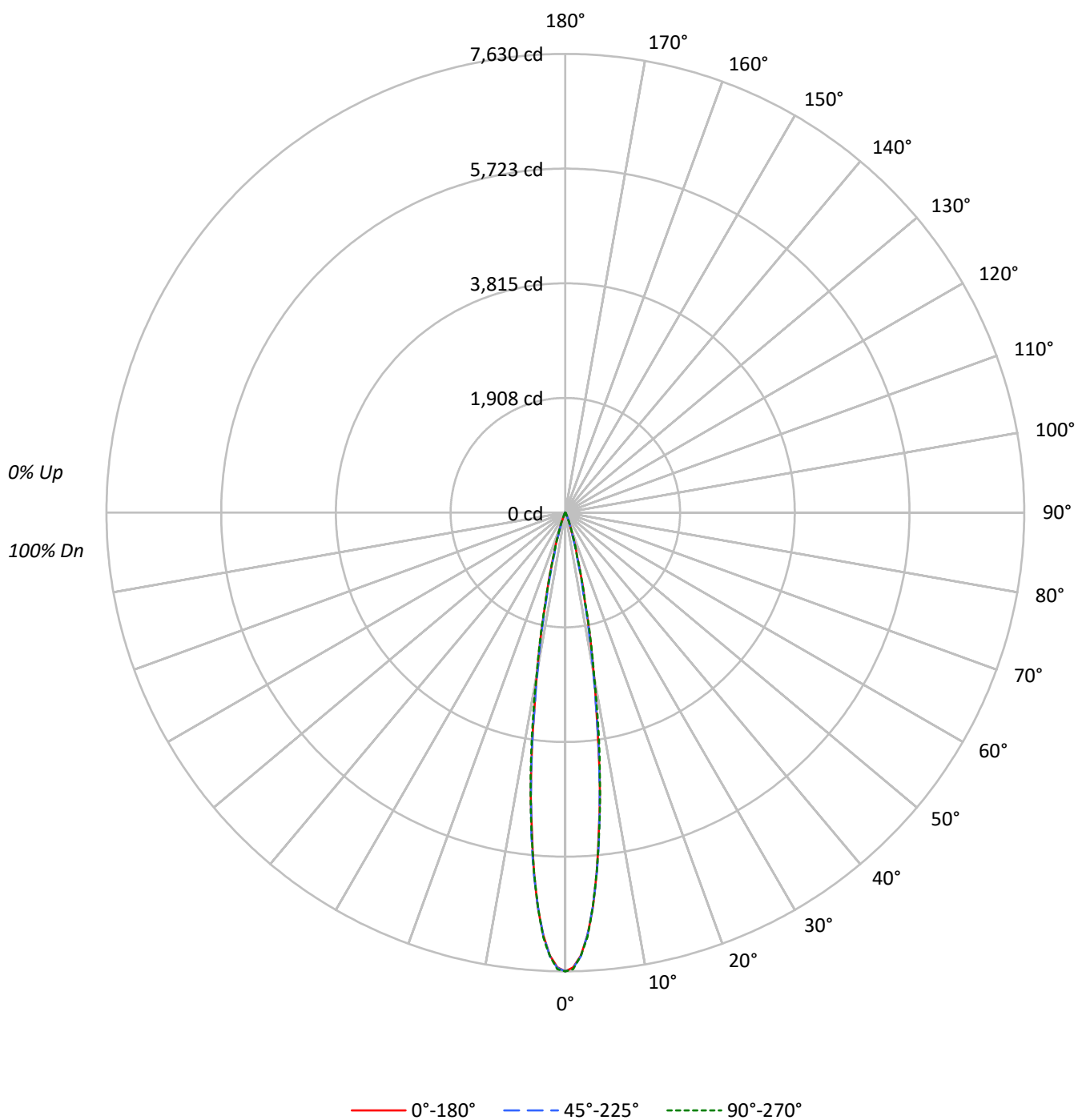
Lumens per Lamp: N/A
Luminaire Lumens: 764.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	1314059	1314059	1314059
5°	1036540	1039306	1035606
10°	474221	461787	484241
15°	140998	125878	138145
20°	41878	40614	43968
25°	11915	15392	13796
30°	4256	4554	4097
35°	1598	1451	1451
40°	697	337	517
45°	365	195	365
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: 382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.0	60.3
10°-20°	255.9	33.5
20°-30°	40.7	5.3
30°-40°	5.3	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°	757.7	99.2
0°-40°	763.0	99.9
0°-60°	764.0	100.0
0°-90°	764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	764.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7630	7630	7630	7630	7630	
5°	5996	6046	6012	5986	5990	460
15°	791	781	706	750	775	261
25°	63	70	81	81	73	38
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°	7630.0	7630.0	7630.0	7630.0	7630.0	7630.0	7630.0	7630.0	7630.0	7630.0	7630.0
1°	7564.3	7572.7	7583.4	7573.5	7564.3	7572.7	7561.3	7562.8	7553.6	7573.5	7595.7
2°	7371.8	7382.5	7376.4	7362.6	7384.0	7385.5	7361.8	7350.4	7348.9	7368.7	7376.4
3°	7031.0	7055.5	7056.2	7051.6	7044.8	7031.0	7006.6	7022.6	7000.4	6986.7	7064.6
4°	6577.9	6599.3	6624.5	6607.7	6557.3	6561.9	6577.9	6523.7	6526.7	6558.0	6560.3
5°	5995.7	6060.6	6063.7	6040.0	6000.3	6011.7	6000.3	5985.0	5990.3	6010.2	5990.3
6°	5310.3	5383.7	5329.4	5381.4	5369.9	5384.4	5388.2	5372.2	5383.7	5371.4	5367.6
7°	4718.2	4662.4	4670.0	4648.6	4671.5	4686.8	4696.0	4668.5	4690.6	4725.8	4735.7
8°	3983.9	3967.8	3951.8	3990.0	3979.3	3997.6	4009.1	4039.7	4038.1	4048.8	4084.0
9°	3284.8	3308.4	3323.0	3289.3	3318.4	3261.8	3281.7	3363.5	3342.1	3363.5	3426.1
10°	2711.7	2730.8	2709.4	2708.6	2678.1	2640.6	2638.3	2668.9	2733.1	2783.5	2769.0
12.5°	1496.1	1512.9	1515.2	1513.6	1458.6	1396.7	1408.2	1432.6	1472.4	1489.2	1516.7
15°	790.8	790.1	798.5	774.8	745.7	706.0	709.1	742.7	772.5	780.1	774.8
17.5°	405.7	407.3	413.4	407.3	376.7	380.5	388.9	392.7	410.3	417.2	413.4
20°	228.5	229.2	228.5	230.8	218.5	221.6	232.3	233.0	236.9	240.7	239.9
22.5°	130.7	131.4	136.0	134.5	131.4	135.2	137.5	141.4	142.9	141.4	145.9
25°	62.7	63.4	63.4	72.6	77.2	81.0	82.5	81.0	79.5	73.4	72.6
27.5°	35.9	35.9	37.4	38.2	39.7	46.6	45.8	38.2	32.1	32.1	32.9
30°	21.4	20.6	20.6	21.4	22.2	22.9	21.4	20.6	20.6	21.4	20.6
32.5°	13.0	13.0	13.0	12.2	12.2	11.5	11.5	13.0	13.0	13.0	13.0
35°	7.6	7.6	7.6	7.6	6.9	6.9	6.9	7.6	7.6	6.9	6.9
37.5°	4.6	4.6	4.6	3.8	3.8	3.1	3.8	3.8	3.8	3.8	3.8
40°	3.1	3.1	2.3	2.3	1.5	1.5	1.5	2.3	2.3	2.3	2.3
42.5°	2.3	2.3	1.5	1.5	0.8	0.8	0.8	1.5	1.5	1.5	1.5
45°	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
47.5°	1.5	1.5	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)