

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: P1324195

Luminaire Tested: LDSQA3D05R15W2N902750DE010 3LSQPHR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324195
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: LDSQA3D05R15W2N902750DE010 3LSQPHR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

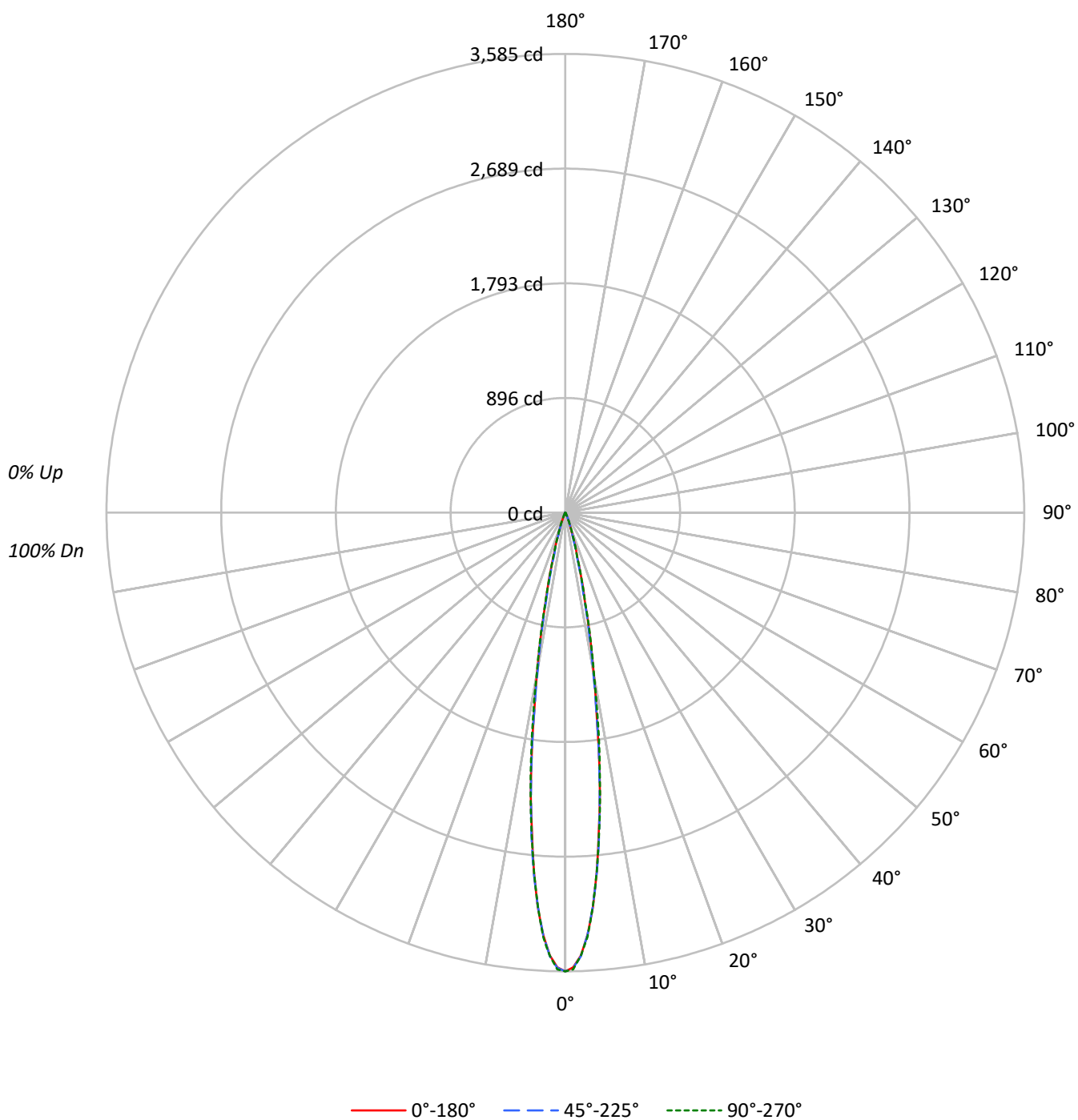
Lumens per Lamp: N/A
Luminaire Lumens: 359.0 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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

TEST NUMBER: P1324195

CATALOG NUMBER: LDSQA3D05R15W2N902750DE010 3LSQPHR1MW_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1324195

CATALOG NUMBER: LDSQA3D05R15W2N902750DE010 3LSQPHR1MW_2700K

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	90
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°	617470	617470	617470
5°	487056	488370	486624
10°	222831	216990	227536
15°	66256	59141	64918
20°	19684	19079	20655
25°	5587	7240	6480
30°	2009	2148	1929
35°	757	673	673
40°	315	157	247
45°	170	97	170
50°	107	0	107
55°	120	0	120
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: 178 cd/sqm

TEST NUMBER: P1324195

CATALOG NUMBER: LDSQA3D05R15W2N902750DE010 3LSQPHR1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.6	60.3
10°-20°	120.3	33.5
20°-30°	19.1	5.3
30°-40°	2.5	0.7
40°-50°	0.4	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°	356.0	99.2
0°-40°	358.5	99.9
0°-60°	359.0	100.0
0°-90°	359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	359.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3585	3585	3585	3585	3585	
5°	2817	2841	2825	2813	2815	216
15°	372	367	332	352	364	123
25°	29	33	38	38	34	18
35°	4	4	3	4	3	3
45°	1	0	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	



TEST NUMBER: P1324195

CATALOG NUMBER: LDSQA3D05R15W2N902750DE010 3LSQPHR1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3
1°	3554.4	3558.4	3563.4	3558.8	3554.4	3558.4	3553.0	3553.7	3549.4	3558.8	3569.2
2°	3464.0	3469.0	3466.1	3459.7	3469.7	3470.4	3459.3	3453.9	3453.2	3462.5	3466.1
3°	3303.8	3315.3	3315.7	3313.5	3310.3	3303.8	3292.3	3299.9	3289.5	3283.0	3319.6
4°	3090.9	3101.0	3112.8	3104.9	3081.2	3083.4	3090.9	3065.4	3066.9	3081.6	3082.7
5°	2817.3	2847.9	2849.3	2838.2	2819.5	2824.9	2819.5	2812.3	2814.8	2824.2	2814.8
6°	2495.3	2529.8	2504.3	2528.7	2523.3	2530.1	2531.9	2524.4	2529.8	2524.0	2522.2
7°	2217.0	2190.8	2194.4	2184.4	2195.1	2202.3	2206.6	2193.7	2204.1	2220.6	2225.3
8°	1872.0	1864.5	1856.9	1874.9	1869.9	1878.5	1883.9	1898.2	1897.5	1902.5	1919.0
9°	1543.5	1554.6	1561.4	1545.6	1559.3	1532.7	1542.1	1580.5	1570.4	1580.5	1609.9
10°	1274.2	1283.2	1273.1	1272.8	1258.4	1240.8	1239.7	1254.1	1284.3	1308.0	1301.1
12.5°	703.0	710.9	712.0	711.2	685.4	656.3	661.7	673.2	691.9	699.8	712.7
15°	371.6	371.2	375.2	364.1	350.4	331.7	333.2	349.0	363.0	366.6	364.1
17.5°	190.6	191.4	194.2	191.4	177.0	178.8	182.7	184.5	192.8	196.0	194.2
20°	107.4	107.7	107.4	108.4	102.7	104.1	109.1	109.5	111.3	113.1	112.7
22.5°	61.4	61.8	63.9	63.2	61.8	63.5	64.6	66.4	67.1	66.4	68.6
25°	29.4	29.8	29.8	34.1	36.3	38.1	38.8	38.1	37.3	34.5	34.1
27.5°	16.9	16.9	17.6	18.0	18.7	21.9	21.5	18.0	15.1	15.1	15.4
30°	10.1	9.7	9.7	10.1	10.4	10.8	10.1	9.7	9.7	10.1	9.7
32.5°	6.1	6.1	6.1	5.7	5.7	5.4	5.4	6.1	6.1	6.1	6.1
35°	3.6	3.6	3.6	3.6	3.2	3.2	3.2	3.6	3.6	3.2	3.2
37.5°	2.2	2.2	2.2	1.8	1.8	1.4	1.8	1.8	1.8	1.8	1.8
40°	1.4	1.4	1.1	1.1	0.7	0.7	0.7	1.1	1.1	1.1	1.1
42.5°	1.1	1.1	0.7	0.7	0.4	0.4	0.4	0.7	0.7	0.7	0.7
45°	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
47.5°	0.7	0.7	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
50°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
52.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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	0.4	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)