

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: P1327421

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQPHRL1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R15W2N902750DE010 3LSQPHRL1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,
3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

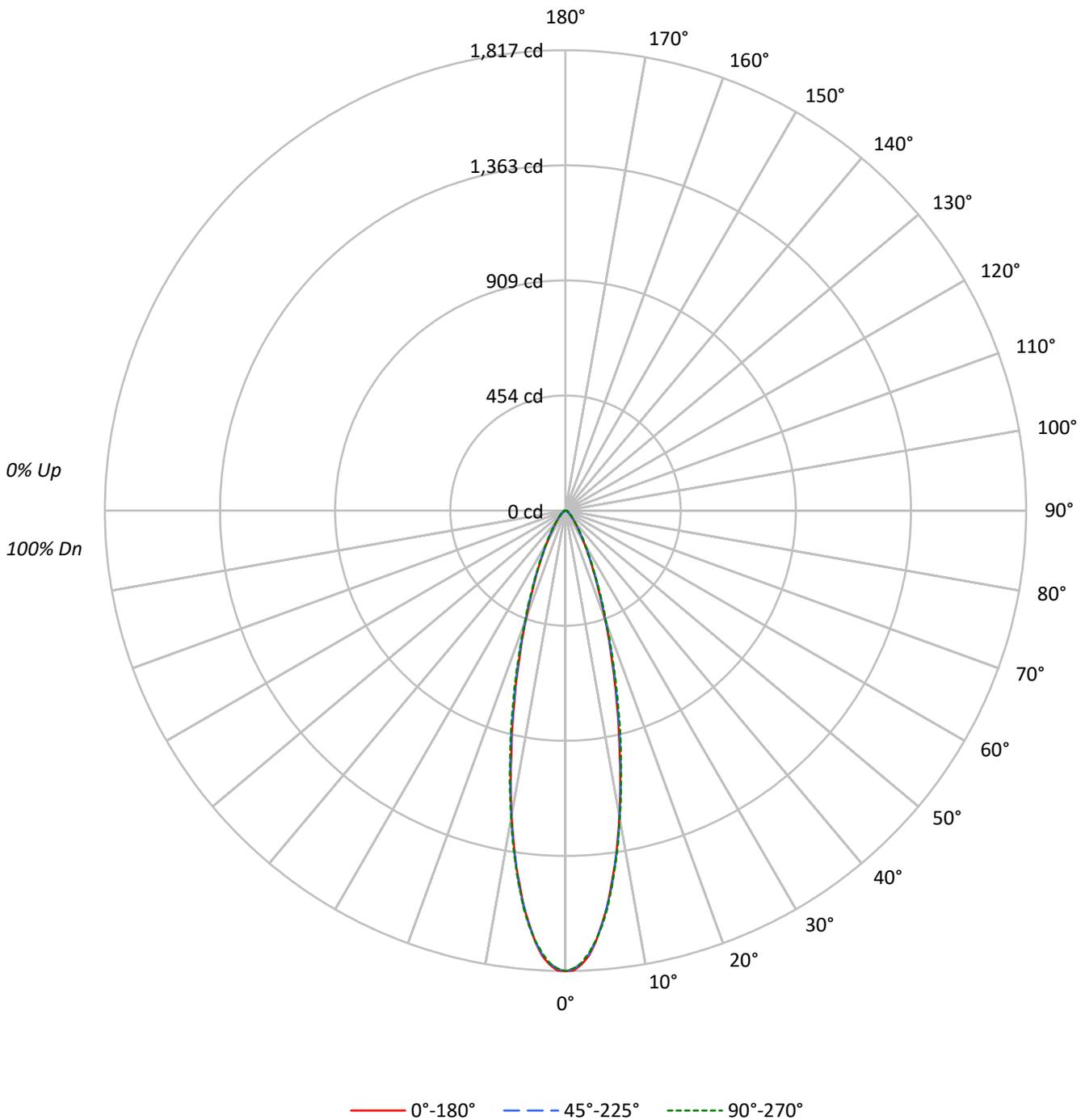
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 601.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
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

TEST NUMBER: P1327421
CATALOG NUMBER: LDSQA3D13R15W2N902750DE010 3LSQPHRL1MMS_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1327421

CATALOG NUMBER: LDSQA3D13R15W2N902750DE010 3LSQPHRL1MMS_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	312997	312997	312997
5°	283507	284043	284440
10°	214035	214577	215661
15°	138841	140338	143102
20°	83592	84582	85718
25°	48837	49863	50585
30°	28696	29611	30088
35°	17682	18333	18649
40°	11623	11960	12140
45°	8086	8281	8452
50°	6002	6216	6404
55°	4864	5104	5104
60°	4237	4237	4237
65°	3790	3790	3790
70°	3122	3474	3474
75°	3061	3061	3061
80°	2281	3075	3075
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 8452 cd/sqm



TEST NUMBER: P1327421

CATALOG NUMBER: LDSQA3D13R15W2N902750DE010 3LSQPHRL1MMS_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	23.8
10°-20°	218.9	36.4
20°-30°	124.4	20.7
30°-40°	56.8	9.4
40°-50°	27.2	4.5
50°-60°	15.2	2.5
60°-70°	9.3	1.5
70°-80°	5.0	0.8
80°-90°	1.1	0.2
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°	486.5	80.9
0°-40°	543.2	90.4
0°-60°	585.7	97.4
0°-90°	601.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	601.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1817	1817	1817	1817	1817	
5°	1640	1639	1643	1643	1645	143
15°	779	782	787	798	803	216
25°	257	257	262	265	266	122
35°	84	86	87	89	89	55
45°	33	33	34	35	35	26
55°	16	16	17	17	17	15
65°	9	9	9	9	9	9
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1327421

CATALOG NUMBER: LDSQA3D13R15W2N902750DE010 3LSQPHRL1MMS_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1817.4	1817.4	1817.4	1817.4	1817.4
1°	1815.8	1811.2	1809.7	1808.9	1807.4
2°	1792.7	1788.8	1788.1	1788.1	1787.3
3°	1760.3	1753.3	1754.1	1751.8	1749.5
4°	1705.5	1702.4	1703.9	1705.5	1702.4
5°	1639.9	1639.1	1643.0	1643.0	1645.3
6°	1572.0	1571.2	1568.9	1575.1	1578.2
7°	1485.5	1490.2	1496.4	1493.3	1495.6
8°	1406.8	1401.4	1403.7	1411.5	1412.2
9°	1314.2	1310.4	1320.4	1323.5	1324.3
10°	1223.9	1227.8	1227.0	1237.8	1233.2
12.5°	988.6	994.7	1001.7	1006.3	1010.9
15°	778.7	782.5	787.1	798.0	802.6
17.5°	598.8	603.5	608.1	617.4	618.9
20°	456.1	458.4	461.5	470.0	467.7
22.5°	341.1	345.0	348.0	351.9	354.2
25°	257.0	257.0	262.4	264.7	266.2
27.5°	191.4	192.9	196.8	199.9	199.1
30°	144.3	146.6	148.9	150.5	151.3
32.5°	111.1	111.1	113.4	115.8	116.5
35°	84.1	85.7	87.2	88.7	88.7
37.5°	65.6	66.4	67.9	68.7	68.7
40°	51.7	51.7	53.2	54.0	54.0
42.5°	40.9	41.7	42.4	43.2	43.2
45°	33.2	33.2	34.0	34.7	34.7
47.5°	27.0	27.0	27.8	28.6	28.6
50°	22.4	23.2	23.2	23.9	23.9
52.5°	19.3	19.3	19.3	20.1	20.1
55°	16.2	16.2	17.0	17.0	17.0
57.5°	13.9	13.9	13.9	14.7	14.7
60°	12.3	12.3	12.3	12.3	12.3
62.5°	10.8	10.8	10.8	10.8	10.8
65°	9.3	9.3	9.3	9.3	9.3
67.5°	7.7	7.7	7.7	8.5	8.5
70°	6.2	6.9	6.9	6.9	6.9
72.5°	5.4	5.4	5.4	5.4	5.4
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.9	3.9	3.9	3.9	3.9
80°	2.3	3.1	3.1	3.1	3.1
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)