

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: P1327420

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQPHRL1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327420
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

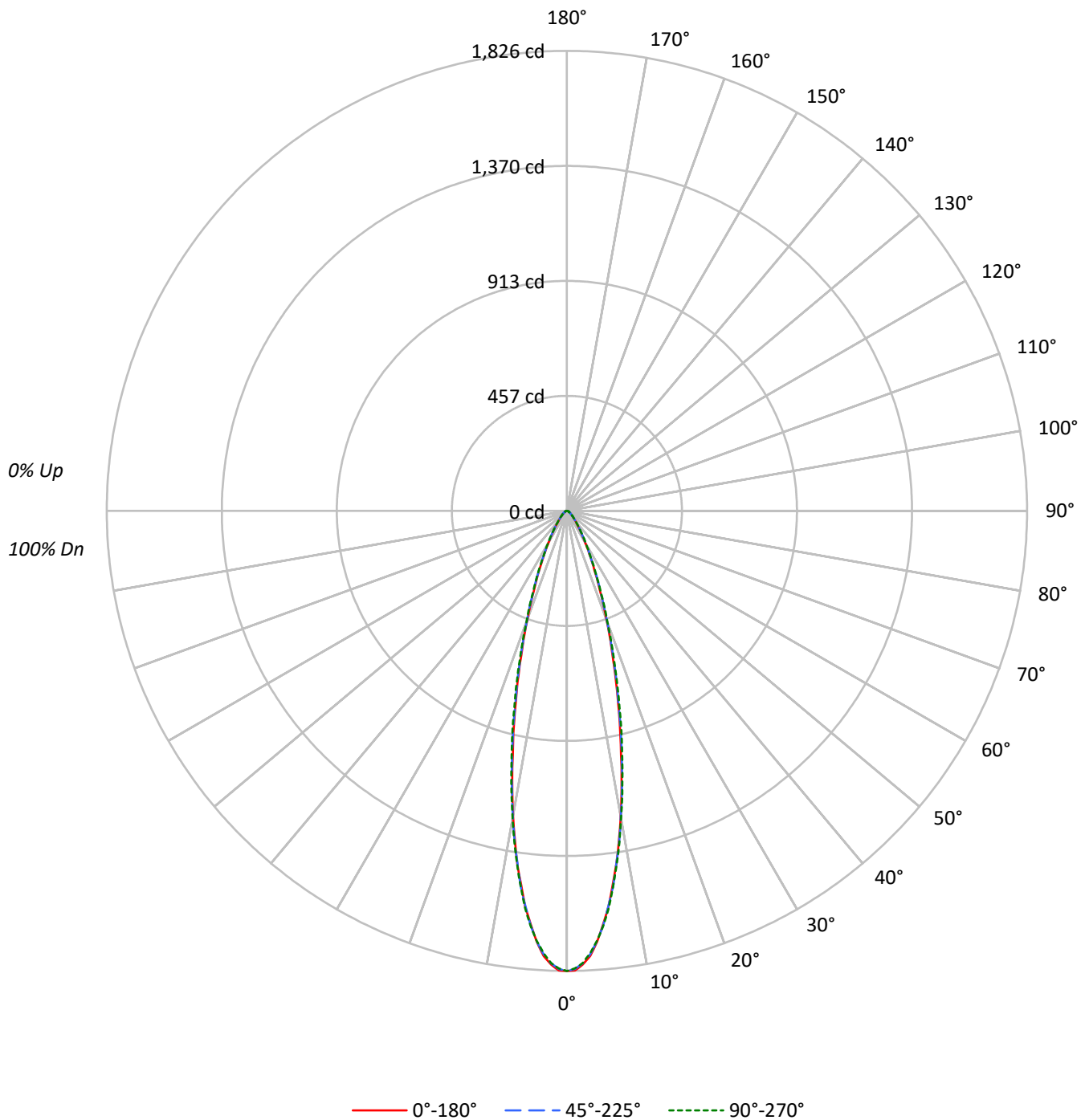
Lumens per Lamp: N/A
Luminaire Lumens: 604.1 lumens
Efficiency: N/A
Efficacy: 49.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	314565	314565	314565
5°	284924	285460	285858
10°	215102	215644	216746
15°	139518	141052	143815
20°	84013	85003	86139
25°	49084	50110	50851
30°	28836	29770	30228
35°	17766	18417	18754
40°	11691	12028	12208
45°	8111	8305	8500
50°	6028	6243	6430
55°	4894	5134	5134
60°	4271	4271	4271
65°	3790	3790	3790
70°	3122	3525	3525
75°	3127	3127	3127
80°	2281	3075	3075
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 8500 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	23.8
10°-20°	220.0	36.4
20°-30°	125.0	20.7
30°-40°	57.0	9.4
40°-50°	27.4	4.5
50°-60°	15.3	2.5
60°-70°	9.4	1.6
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°	488.9	80.9
0°-40°	545.9	90.4
0°-60°	588.6	97.4
0°-90°	604.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	604.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1826	1826	1826	1826	1826	
5°	1648	1647	1651	1651	1654	144
15°	782	786	791	802	807	217
25°	258	258	264	266	268	123
35°	84	86	88	89	89	55
45°	33	33	34	35	35	27
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1826.5	1826.5	1826.5	1826.5	1826.5
1°	1824.9	1820.3	1818.7	1817.9	1816.4
2°	1801.6	1797.8	1797.0	1797.0	1796.2
3°	1769.1	1762.1	1762.9	1760.5	1758.2
4°	1714.0	1710.9	1712.4	1714.0	1710.9
5°	1648.1	1647.3	1651.2	1651.2	1653.5
6°	1579.8	1579.1	1576.7	1582.9	1586.0
7°	1493.0	1497.6	1503.8	1500.7	1503.0
8°	1413.9	1408.4	1410.8	1418.5	1419.3
9°	1320.8	1316.9	1327.0	1330.1	1330.9
10°	1230.0	1233.9	1233.1	1244.0	1239.4
12.5°	993.5	999.7	1006.7	1011.3	1016.0
15°	782.5	786.4	791.1	801.9	806.6
17.5°	601.8	606.5	611.1	620.5	622.0
20°	458.4	460.7	463.8	472.3	470.0
22.5°	342.8	346.7	349.8	353.7	356.0
25°	258.3	258.3	263.7	266.0	267.6
27.5°	192.3	193.9	197.8	200.9	200.1
30°	145.0	147.4	149.7	151.2	152.0
32.5°	111.7	111.7	114.0	116.3	117.1
35°	84.5	86.1	87.6	89.2	89.2
37.5°	65.9	66.7	68.2	69.0	69.0
40°	52.0	52.0	53.5	54.3	54.3
42.5°	41.1	41.9	42.7	43.4	43.4
45°	33.3	33.3	34.1	34.9	34.9
47.5°	27.1	27.1	27.9	28.7	28.7
50°	22.5	23.3	23.3	24.0	24.0
52.5°	19.4	19.4	19.4	20.2	20.2
55°	16.3	16.3	17.1	17.1	17.1
57.5°	14.0	14.0	14.0	14.7	14.7
60°	12.4	12.4	12.4	12.4	12.4
62.5°	10.9	10.9	10.9	10.9	10.9
65°	9.3	9.3	9.3	9.3	9.3
67.5°	7.8	7.8	7.8	8.5	8.5
70°	6.2	7.0	7.0	7.0	7.0
72.5°	5.4	5.4	5.4	5.4	5.4
75°	4.7	4.7	4.7	4.7	4.7
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°	1.6	1.6	1.6	1.6	1.6
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)