

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: P1327422

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQPHRL1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327422
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 3LSQPHRL1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

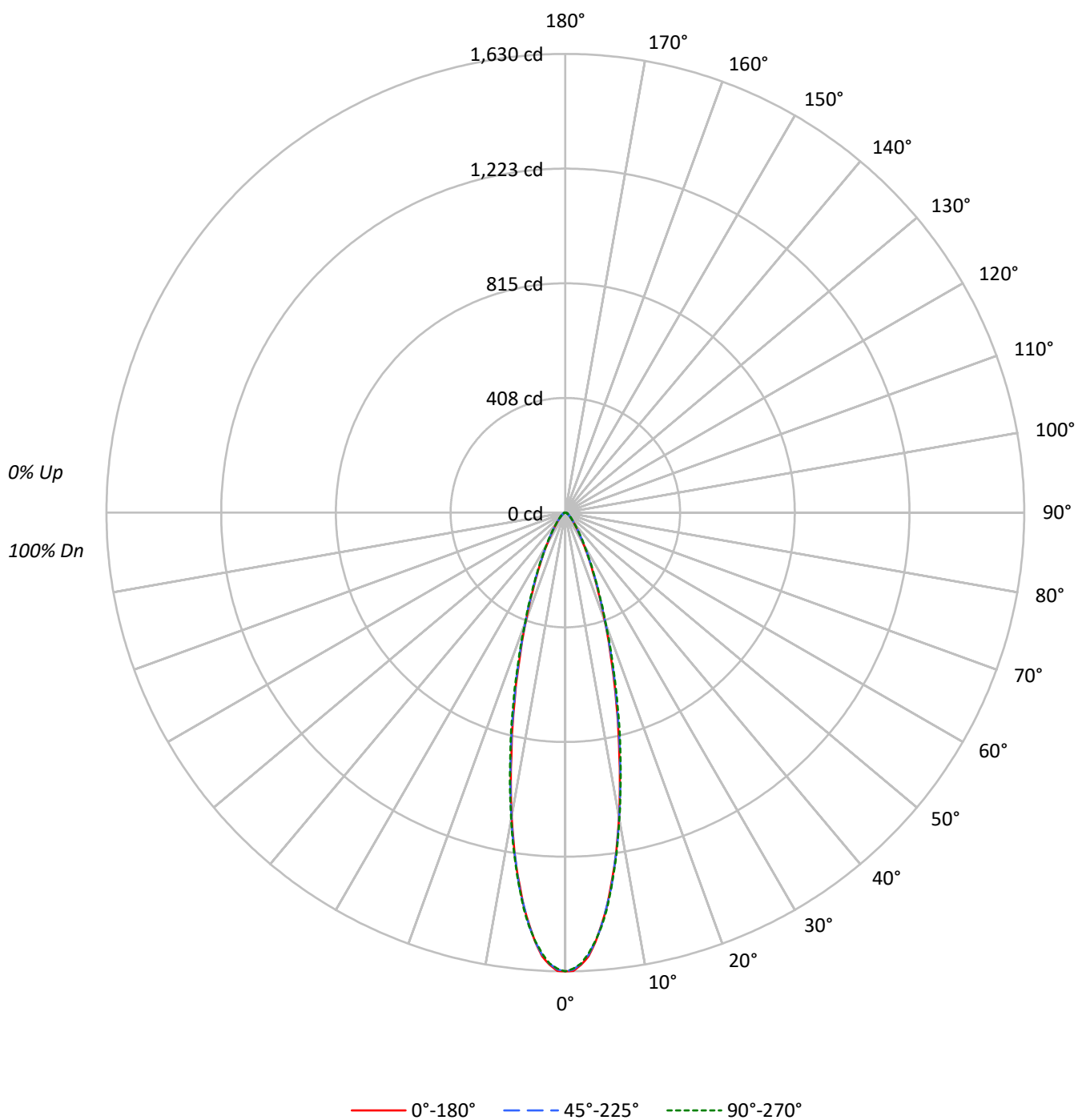
Lumens per Lamp: N/A
Luminaire Lumens: 539.0 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	280706	280706	280706
5°	254255	254739	255102
10°	191965	192437	193417
15°	124505	125861	128339
20°	74960	75858	76866
25°	43801	44713	45378
30°	25733	26568	26986
35°	15852	16441	16736
40°	10432	10746	10881
45°	7258	7429	7575
50°	5385	5573	5761
55°	4354	4564	4564
60°	3823	3823	3823
65°	3382	3382	3382
70°	2769	3122	3122
75°	2795	2795	2795
80°	2083	2777	2777
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7575 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	23.8
10°-20°	196.3	36.4
20°-30°	111.6	20.7
30°-40°	50.9	9.4
40°-50°	24.4	4.5
50°-60°	13.7	2.5
60°-70°	8.3	1.5
70°-80°	4.5	0.8
80°-90°	1.0	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°	436.3	80.9
0°-40°	487.2	90.4
0°-60°	525.3	97.4
0°-90°	539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1630	1630	1630	1630	1630	
5°	1471	1470	1474	1474	1476	128
15°	698	702	706	716	720	194
25°	230	230	235	237	239	109
35°	75	77	78	80	80	50
45°	30	30	30	31	31	24
55°	14	14	15	15	15	13
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
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°	1629.9	1629.9	1629.9	1629.9	1629.9
1°	1628.5	1624.4	1623.0	1622.3	1620.9
2°	1607.8	1604.3	1603.6	1603.6	1602.9
3°	1578.7	1572.5	1573.1	1571.1	1569.0
4°	1529.5	1526.8	1528.2	1529.5	1526.8
5°	1470.7	1470.0	1473.5	1473.5	1475.6
6°	1409.8	1409.1	1407.0	1412.6	1415.3
7°	1332.3	1336.4	1342.0	1339.2	1341.3
8°	1261.7	1256.9	1258.9	1265.9	1266.5
9°	1178.7	1175.2	1184.2	1187.0	1187.6
10°	1097.7	1101.1	1100.4	1110.1	1106.0
12.5°	886.6	892.1	898.3	902.5	906.7
15°	698.3	701.8	705.9	715.6	719.8
17.5°	537.1	541.2	545.4	553.7	555.1
20°	409.0	411.1	413.9	421.5	419.4
22.5°	305.9	309.4	312.1	315.6	317.7
25°	230.5	230.5	235.3	237.4	238.8
27.5°	171.6	173.0	176.5	179.3	178.6
30°	129.4	131.5	133.6	135.0	135.7
32.5°	99.7	99.7	101.7	103.8	104.5
35°	75.4	76.8	78.2	79.6	79.6
37.5°	58.8	59.5	60.9	61.6	61.6
40°	46.4	46.4	47.8	48.4	48.4
42.5°	36.7	37.4	38.1	38.8	38.8
45°	29.8	29.8	30.5	31.1	31.1
47.5°	24.2	24.2	24.9	25.6	25.6
50°	20.1	20.8	20.8	21.5	21.5
52.5°	17.3	17.3	17.3	18.0	18.0
55°	14.5	14.5	15.2	15.2	15.2
57.5°	12.5	12.5	12.5	13.1	13.1
60°	11.1	11.1	11.1	11.1	11.1
62.5°	9.7	9.7	9.7	9.7	9.7
65°	8.3	8.3	8.3	8.3	8.3
67.5°	6.9	6.9	6.9	7.6	7.6
70°	5.5	6.2	6.2	6.2	6.2
72.5°	4.8	4.8	4.8	4.8	4.8
75°	4.2	4.2	4.2	4.2	4.2
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.1	2.8	2.8	2.8	2.8
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)