

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: P1327761

Luminaire Tested: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,
3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

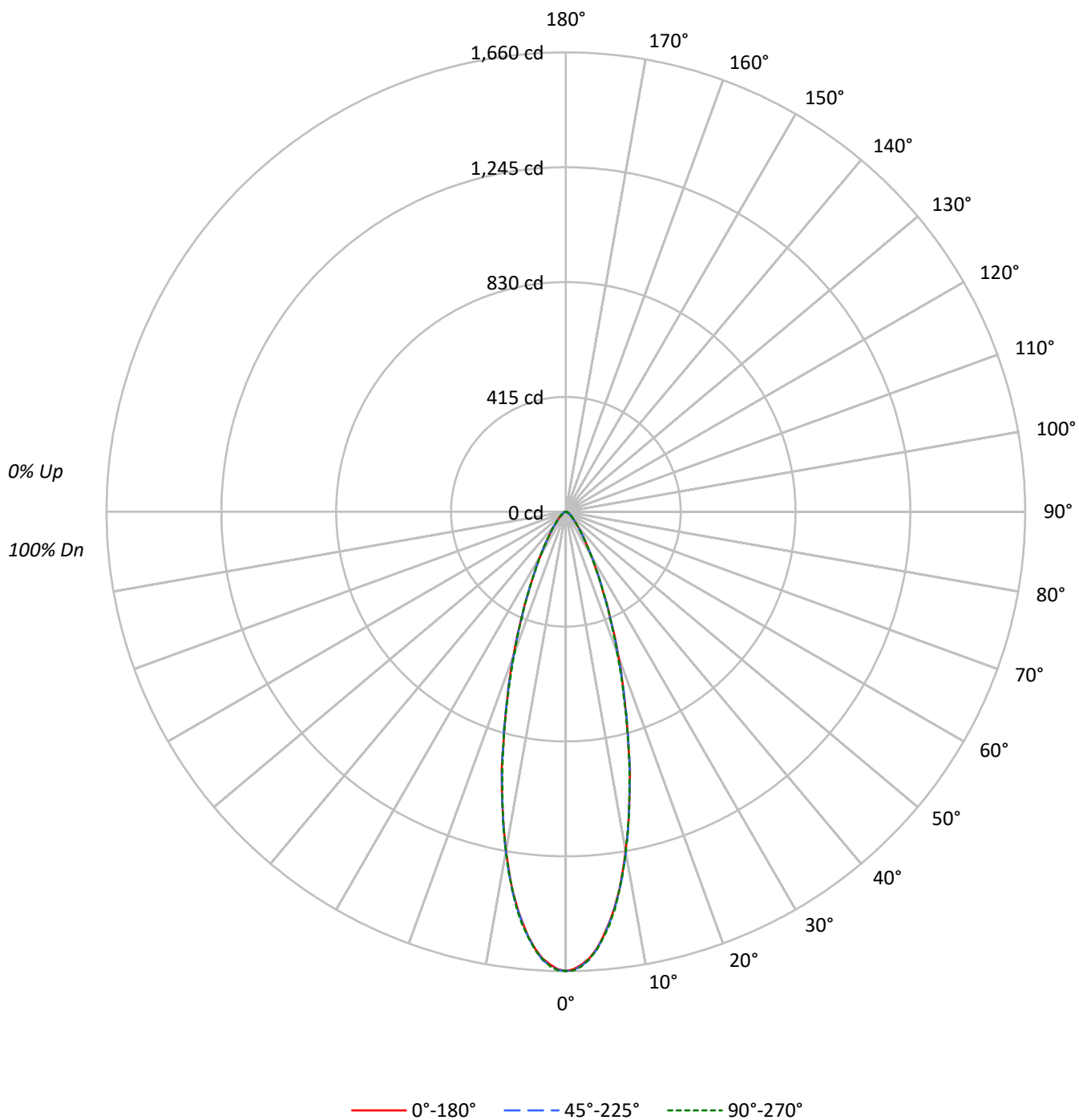
Lumens per Lamp: N/A
Luminaire Lumens: 665.0 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1327761

CATALOG NUMBER: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MMS_4000K

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	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	90	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	85	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	80	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	76	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	72	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	69	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	66	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	285838	285838	285838
5°	266789	267066	267187
10°	217620	218285	218285
15°	155422	156260	155422
20°	101718	100728	99299
25°	60485	60771	60485
30°	36432	36432	36273
35°	22202	22349	22202
40°	14141	14321	14321
45°	9840	9840	9840
50°	7073	7288	7288
55°	5585	5585	5825
60°	4547	4822	4822
65°	4116	4116	4116
70°	3525	3525	3928
75°	3127	3127	3593
80°	3075	3075	3075
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9840 cd/sqm

TEST NUMBER: P1327761

CATALOG NUMBER: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MMS_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	20.7
10°-20°	240.4	36.1
20°-30°	151.1	22.7
30°-40°	69.1	10.4
40°-50°	32.3	4.9
50°-60°	17.4	2.6
60°-70°	10.2	1.5
70°-80°	5.3	0.8
80°-90°	1.2	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°	529.5	79.6
0°-40°	598.6	90.0
0°-60°	648.3	97.5
0°-90°	665.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	665.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1660	1660	1660	1660	1660	
5°	1543	1546	1545	1546	1546	138
15°	872	877	876	878	872	240
25°	318	322	320	320	318	151
35°	106	106	106	106	106	69
45°	40	40	40	40	40	32
55°	19	19	19	19	19	17
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CATALOG NUMBER: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MMS_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1659.7	1659.7	1659.7	1659.7	1659.7
1°	1652.7	1654.2	1655.8	1658.1	1657.3
2°	1637.1	1640.3	1641.0	1644.1	1643.4
3°	1616.2	1615.4	1621.6	1621.6	1617.7
4°	1583.6	1585.1	1586.7	1588.2	1589.0
5°	1543.2	1546.3	1544.8	1546.3	1545.5
6°	1493.5	1498.2	1497.4	1499.0	1501.3
7°	1440.8	1443.9	1443.9	1442.3	1448.5
8°	1383.3	1381.0	1384.9	1383.3	1382.5
9°	1315.0	1319.7	1320.4	1316.5	1318.1
10°	1244.4	1247.5	1248.2	1250.6	1248.2
11°	1174.5	1174.5	1176.0	1179.9	1173.7
12°	1098.4	1105.4	1098.4	1101.5	1098.4
13°	1026.2	1027.8	1026.2	1025.4	1020.0
14°	957.9	952.5	954.0	947.8	948.6
15°	871.7	877.2	876.4	878.0	871.7
17.5°	701.0	704.1	703.3	701.7	694.0
20°	555.0	555.0	549.6	546.5	541.8
22.5°	423.8	422.3	420.0	417.6	419.2
25°	318.3	322.2	319.8	319.8	318.3
27.5°	240.6	245.3	241.4	239.1	240.6
30°	183.2	184.8	183.2	182.4	182.4
32.5°	138.2	139.0	138.2	138.2	138.2
35°	105.6	105.6	106.3	106.3	105.6
37.5°	81.5	81.5	81.5	81.5	82.3
40°	62.9	63.7	63.7	63.7	63.7
42.5°	49.7	50.5	50.5	50.5	50.5
45°	40.4	40.4	40.4	40.4	40.4
47.5°	32.6	32.6	32.6	32.6	33.4
50°	26.4	27.2	27.2	27.2	27.2
52.5°	22.5	22.5	22.5	22.5	22.5
55°	18.6	18.6	18.6	19.4	19.4
57.5°	15.5	15.5	16.3	16.3	16.3
60°	13.2	14.0	14.0	14.0	14.0
62.5°	11.6	11.6	12.4	12.4	12.4
65°	10.1	10.1	10.1	10.1	10.1
67.5°	8.5	8.5	8.5	8.5	9.3
70°	7.0	7.0	7.0	7.8	7.8
72.5°	6.2	6.2	6.2	6.2	6.2
75°	4.7	4.7	4.7	5.4	5.4
77.5°	3.9	3.9	3.9	3.9	3.9
80°	3.1	3.1	3.1	3.1	3.1
82.5°	1.6	1.6	2.3	2.3	2.3
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1327761

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)