

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: P1327763

Luminaire Tested: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327763
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 3LSQPHRL1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

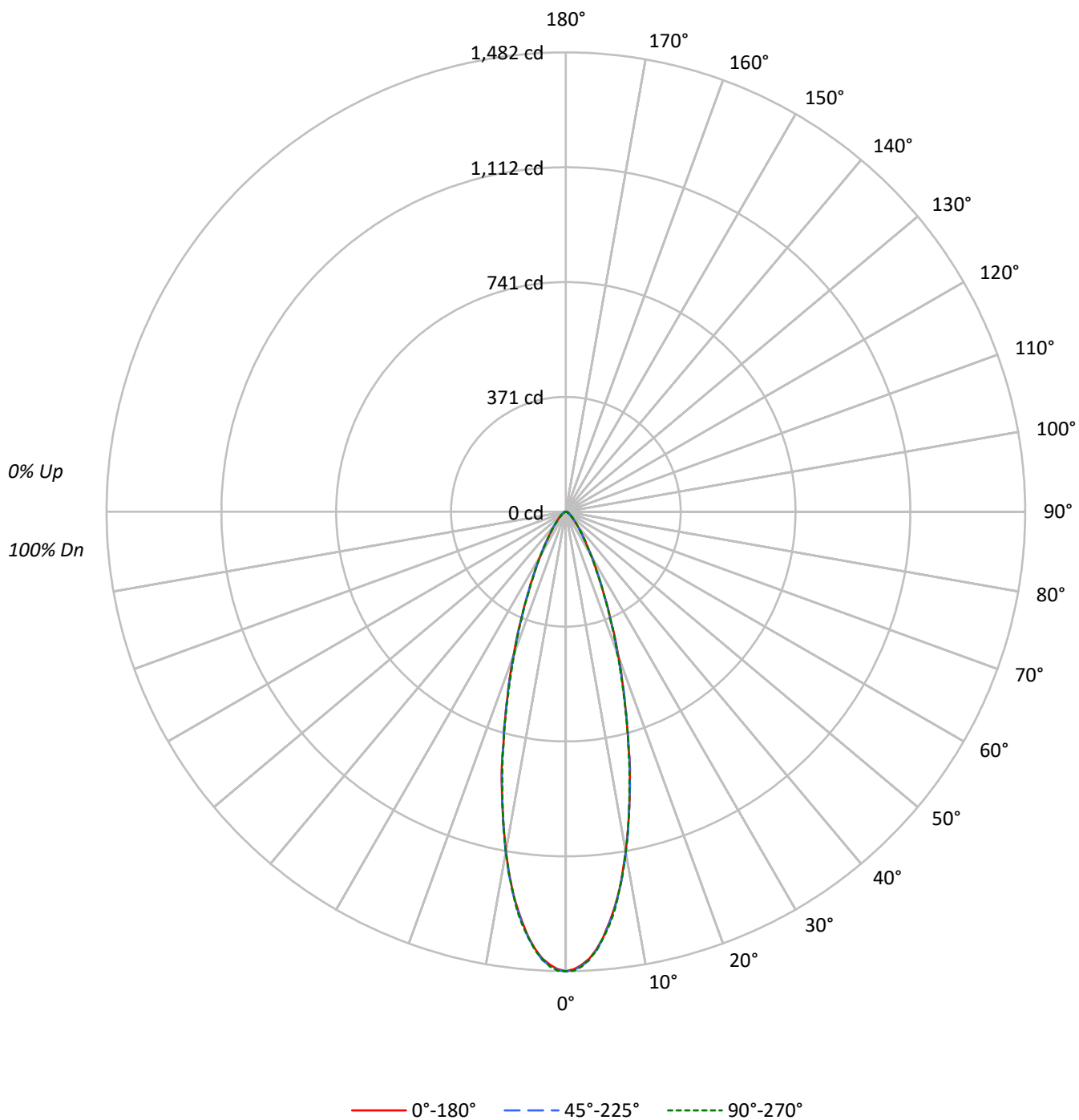
Lumens per Lamp: N/A
Luminaire Lumens: 594.0 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1327763

CATALOG NUMBER: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MW_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1327763

CATALOG NUMBER: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MW_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96		94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90		88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85		83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80		79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76		74
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78	75	72		71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69		67
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72	68	66		64
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63		62
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67	63	60		59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	255320	255320	255320
5°	238316	238541	238662
10°	194379	194991	194991
15°	138841	139572	138841
20°	90868	89970	88705
25°	54025	54291	54025
30°	32534	32534	32395
35°	19826	19973	19826
40°	12635	12792	12792
45°	8793	8793	8793
50°	6323	6511	6511
55°	4984	4984	5195
60°	4064	4306	4306
65°	3668	3668	3668
70°	3122	3122	3474
75°	2795	2795	3261
80°	2777	2777	2777
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8793 cd/sqm

TEST NUMBER: P1327763

CATALOG NUMBER: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	20.7
10°-20°	214.7	36.1
20°-30°	135.0	22.7
30°-40°	61.8	10.4
40°-50°	28.9	4.9
50°-60°	15.5	2.6
60°-70°	9.1	1.5
70°-80°	4.8	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°	472.9	79.6
0°-40°	534.7	90.0
0°-60°	579.0	97.5
0°-90°	594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	594.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1482	1482	1482	1482	1482	
5°	1378	1381	1380	1381	1380	123
15°	779	784	783	784	779	215
25°	284	288	286	286	284	135
35°	94	94	95	95	94	62
45°	36	36	36	36	36	29
55°	17	17	17	17	17	15
65°	9	9	9	9	9	9
75°	4	4	4	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1327763

CATALOG NUMBER: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1482.5	1482.5	1482.5	1482.5	1482.5
1°	1476.2	1477.6	1479.0	1481.1	1480.4
2°	1462.4	1465.1	1465.8	1468.6	1467.9
3°	1443.6	1442.9	1448.5	1448.5	1445.0
4°	1414.5	1415.9	1417.3	1418.7	1419.4
5°	1378.5	1381.2	1379.8	1381.2	1380.5
6°	1334.1	1338.2	1337.5	1338.9	1341.0
7°	1286.9	1289.7	1289.7	1288.3	1293.9
8°	1235.6	1233.5	1237.0	1235.6	1234.9
9°	1174.6	1178.8	1179.5	1176.0	1177.4
10°	1111.5	1114.3	1115.0	1117.0	1115.0
11°	1049.1	1049.1	1050.5	1053.9	1048.4
12°	981.1	987.4	981.1	983.9	981.1
13°	916.7	918.0	916.7	916.0	911.1
14°	855.6	850.8	852.2	846.6	847.3
15°	778.7	783.5	782.8	784.2	778.7
17.5°	626.1	628.9	628.2	626.8	619.9
20°	495.8	495.8	490.9	488.1	484.0
22.5°	378.6	377.2	375.1	373.0	374.4
25°	284.3	287.8	285.7	285.7	284.3
27.5°	215.0	219.1	215.6	213.6	215.0
30°	163.6	165.0	163.6	162.9	162.9
32.5°	123.4	124.1	123.4	123.4	123.4
35°	94.3	94.3	95.0	95.0	94.3
37.5°	72.8	72.8	72.8	72.8	73.5
40°	56.2	56.9	56.9	56.9	56.9
42.5°	44.4	45.1	45.1	45.1	45.1
45°	36.1	36.1	36.1	36.1	36.1
47.5°	29.1	29.1	29.1	29.1	29.8
50°	23.6	24.3	24.3	24.3	24.3
52.5°	20.1	20.1	20.1	20.1	20.1
55°	16.6	16.6	16.6	17.3	17.3
57.5°	13.9	13.9	14.6	14.6	14.6
60°	11.8	12.5	12.5	12.5	12.5
62.5°	10.4	10.4	11.1	11.1	11.1
65°	9.0	9.0	9.0	9.0	9.0
67.5°	7.6	7.6	7.6	7.6	8.3
70°	6.2	6.2	6.2	6.9	6.9
72.5°	5.5	5.5	5.5	5.5	5.5
75°	4.2	4.2	4.2	4.9	4.9
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.8	2.8	2.8	2.8	2.8
82.5°	1.4	1.4	2.1	2.1	2.1
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1327763

CATALOG NUMBER: LDSQA3D13R25W2N902750DE010 3LSQPHRL1MW_2700K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)