

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: P1326161

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326161
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: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

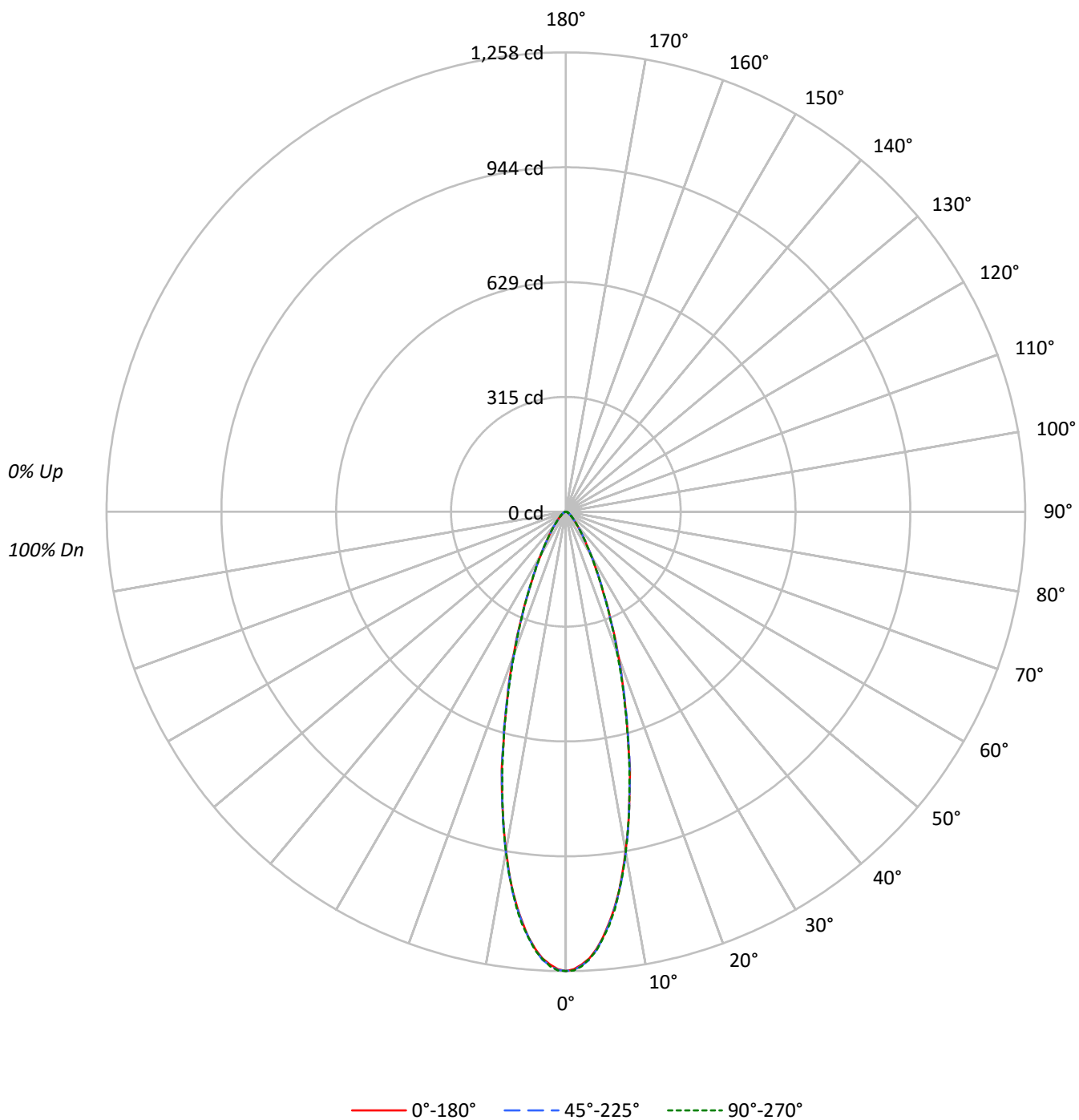
Lumens per Lamp: N/A
Luminaire Lumens: 504.0 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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: P1326161

CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MW_5000K

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°	216622	216622	216622
5°	202201	202408	202512
10°	164929	165436	165436
15°	117801	118426	117801
20°	77104	76334	75271
25°	45834	46062	45834
30°	27603	27603	27503
35°	16820	16946	16820
40°	10724	10836	10836
45°	7453	7453	7453
50°	5359	5519	5519
55°	4234	4234	4414
60°	3444	3651	3651
65°	3097	3097	3097
70°	2669	2669	2971
75°	2329	2329	2728
80°	2380	2380	2380
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7453 cd/sqm

TEST NUMBER: P1326161

CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.5	20.7
10°-20°	182.2	36.2
20°-30°	114.5	22.7
30°-40°	52.4	10.4
40°-50°	24.5	4.9
50°-60°	13.2	2.6
60°-70°	7.8	1.5
70°-80°	4.0	0.8
80°-90°	0.9	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°	401.3	79.6
0°-40°	453.7	90.0
0°-60°	491.3	97.5
0°-90°	504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1258	1258	1258	1258	1258	
5°	1170	1172	1171	1172	1171	104
15°	661	665	664	665	661	182
25°	241	244	242	242	241	115
35°	80	80	81	81	80	52
45°	31	31	31	31	31	24
55°	14	14	14	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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CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1257.8	1257.8	1257.8	1257.8	1257.8
1°	1252.6	1253.7	1254.9	1256.7	1256.1
2°	1240.8	1243.1	1243.7	1246.1	1245.5
3°	1224.9	1224.3	1229.0	1229.0	1226.1
4°	1200.2	1201.4	1202.5	1203.7	1204.3
5°	1169.6	1172.0	1170.8	1172.0	1171.4
6°	1131.9	1135.5	1134.9	1136.1	1137.8
7°	1091.9	1094.3	1094.3	1093.1	1097.8
8°	1048.4	1046.6	1049.6	1048.4	1047.8
9°	996.6	1000.2	1000.7	997.8	999.0
10°	943.1	945.4	946.0	947.8	946.0
11°	890.1	890.1	891.3	894.3	889.6
12°	832.5	837.8	832.5	834.8	832.5
13°	777.8	778.9	777.8	777.2	773.1
14°	726.0	721.9	723.1	718.3	718.9
15°	660.7	664.8	664.2	665.4	660.7
17.5°	531.3	533.6	533.0	531.8	526.0
20°	420.7	420.7	416.5	414.2	410.7
22.5°	321.2	320.1	318.3	316.5	317.7
25°	241.2	244.2	242.4	242.4	241.2
27.5°	182.4	185.9	183.0	181.2	182.4
30°	138.8	140.0	138.8	138.3	138.3
32.5°	104.7	105.3	104.7	104.7	104.7
35°	80.0	80.0	80.6	80.6	80.0
37.5°	61.8	61.8	61.8	61.8	62.4
40°	47.7	48.2	48.2	48.2	48.2
42.5°	37.7	38.2	38.2	38.2	38.2
45°	30.6	30.6	30.6	30.6	30.6
47.5°	24.7	24.7	24.7	24.7	25.3
50°	20.0	20.6	20.6	20.6	20.6
52.5°	17.1	17.1	17.1	17.1	17.1
55°	14.1	14.1	14.1	14.7	14.7
57.5°	11.8	11.8	12.4	12.4	12.4
60°	10.0	10.6	10.6	10.6	10.6
62.5°	8.8	8.8	9.4	9.4	9.4
65°	7.6	7.6	7.6	7.6	7.6
67.5°	6.5	6.5	6.5	6.5	7.1
70°	5.3	5.3	5.3	5.9	5.9
72.5°	4.7	4.7	4.7	4.7	4.7
75°	3.5	3.5	3.5	4.1	4.1
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.4	2.4	2.4	2.4	2.4
82.5°	1.2	1.2	1.8	1.8	1.8
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1326161

CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MW_5000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)