

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: P1326344

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQPHRL1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R30W2N902750DE010 3LSQPHRL1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

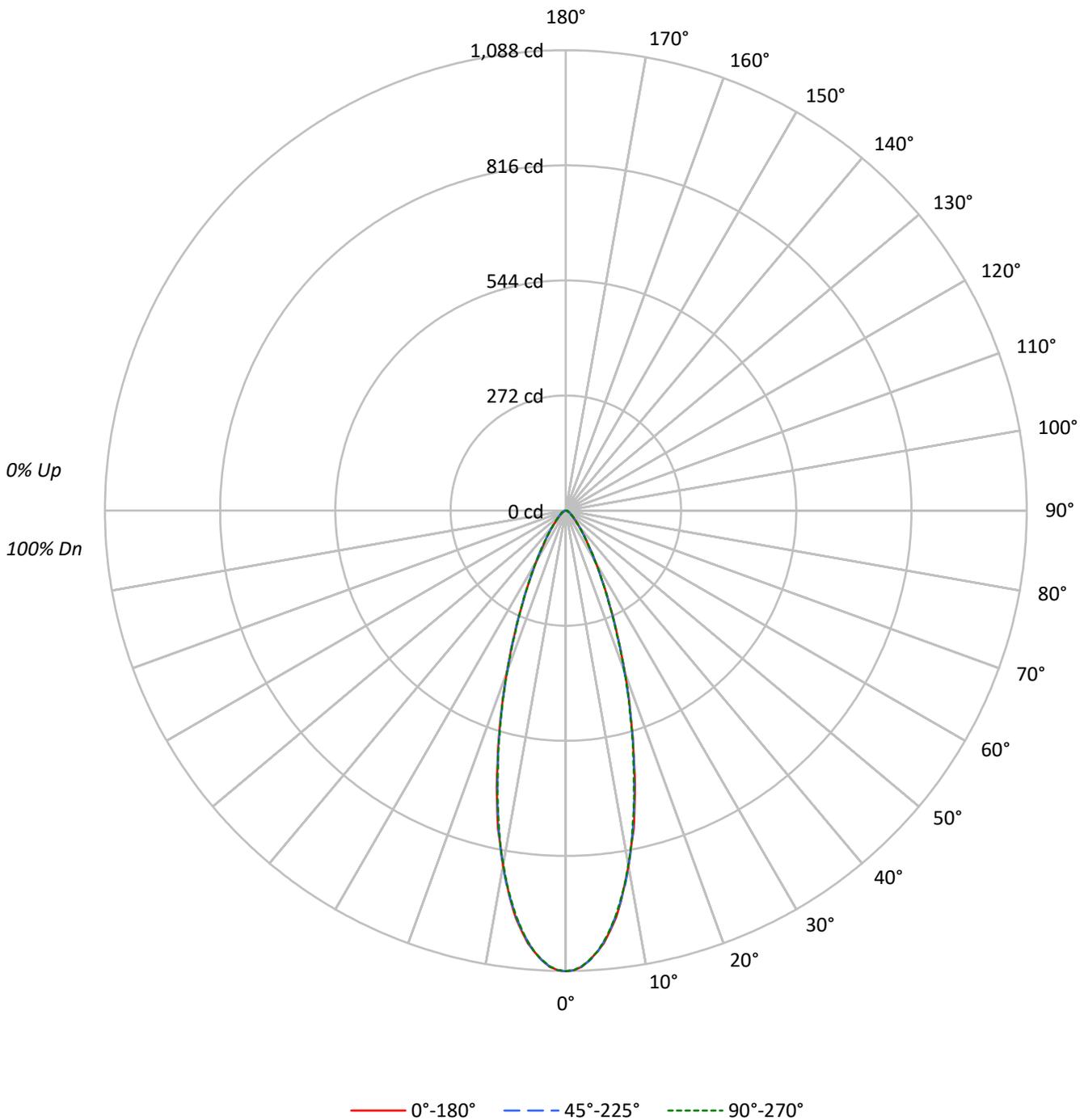
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 478.0 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
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

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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			0	
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	187447	187447	187447
5°	177462	177012	176926
10°	149085	149085	148543
15°	111080	110794	110135
20°	74337	73952	74062
25°	45834	45720	45929
30°	27563	27563	27662
35°	16904	16904	17009
40°	10701	10701	10949
45°	7331	7477	7477
50°	5385	5385	5385
55°	4144	4294	4294
60°	3444	3444	3651
65°	3016	3016	3016
70°	2669	2921	2921
75°	2462	2462	2462
80°	2083	2083	2083
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 7477 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	19.3
10°-20°	170.4	35.6
20°-30°	113.3	23.7
30°-40°	52.3	11.0
40°-50°	24.3	5.1
50°-60°	13.0	2.7
60°-70°	7.6	1.6
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°	375.9	78.6
0°-40°	428.2	89.6
0°-60°	465.5	97.4
0°-90°	478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	478.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1026	1024	1024	1026	1023	92
15°	623	625	621	621	618	171
25°	241	241	241	241	242	113
35°	80	80	80	81	81	52
45°	30	30	31	31	31	24
55°	14	14	14	14	14	13
65°	7	7	7	7	7	7
75°	4	4	4	4	4	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1088.4	1088.4	1088.4	1088.4	1088.4
1°	1086.3	1085.2	1086.3	1087.9	1085.8
2°	1078.9	1077.8	1077.8	1079.9	1077.8
3°	1064.6	1065.7	1065.1	1067.3	1063.6
4°	1046.6	1046.1	1048.2	1049.3	1046.1
5°	1026.5	1024.4	1023.9	1026.5	1023.4
6°	999.0	997.4	996.4	999.6	995.3
7°	969.4	968.4	966.8	967.8	964.7
8°	932.9	932.4	931.3	932.4	928.7
9°	892.2	892.2	894.3	893.8	891.7
10°	852.5	853.6	852.5	853.6	849.4
11°	808.1	808.1	809.2	808.6	809.2
12°	769.5	765.3	764.2	763.2	760.0
13°	719.8	716.6	715.6	716.6	715.0
14°	674.3	672.2	666.9	668.0	665.8
15°	623.0	625.1	621.4	621.4	617.7
17.5°	509.3	507.2	508.2	508.8	507.2
20°	405.6	404.6	403.5	402.5	404.1
22.5°	315.2	315.7	314.7	313.6	312.6
25°	241.2	240.6	240.6	240.6	241.7
27.5°	183.0	183.0	183.0	183.5	183.5
30°	138.6	137.5	138.6	139.1	139.1
32.5°	103.7	104.7	105.2	105.2	105.2
35°	80.4	79.9	80.4	80.9	80.9
37.5°	61.3	61.3	61.9	61.9	62.4
40°	47.6	47.6	47.6	48.1	48.7
42.5°	37.5	37.5	38.1	38.1	38.6
45°	30.1	30.1	30.7	30.7	30.7
47.5°	24.3	24.3	24.9	24.9	24.9
50°	20.1	20.1	20.1	20.1	20.1
52.5°	16.9	16.4	16.9	16.9	16.9
55°	13.8	14.3	14.3	14.3	14.3
57.5°	11.6	12.2	12.2	12.2	12.2
60°	10.0	10.0	10.0	10.6	10.6
62.5°	8.5	9.0	9.0	9.0	9.0
65°	7.4	7.4	7.4	7.4	7.4
67.5°	6.3	6.3	6.3	6.3	6.9
70°	5.3	5.3	5.8	5.8	5.8
72.5°	4.8	4.8	4.8	4.8	4.8
75°	3.7	3.7	3.7	3.7	3.7
77.5°	2.6	2.6	3.2	3.2	2.6
80°	2.1	2.1	2.1	2.1	2.1
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0



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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)