

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: P1326169

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQPHRLP1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R25W2N902750DE010 3LSQPHRLP1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

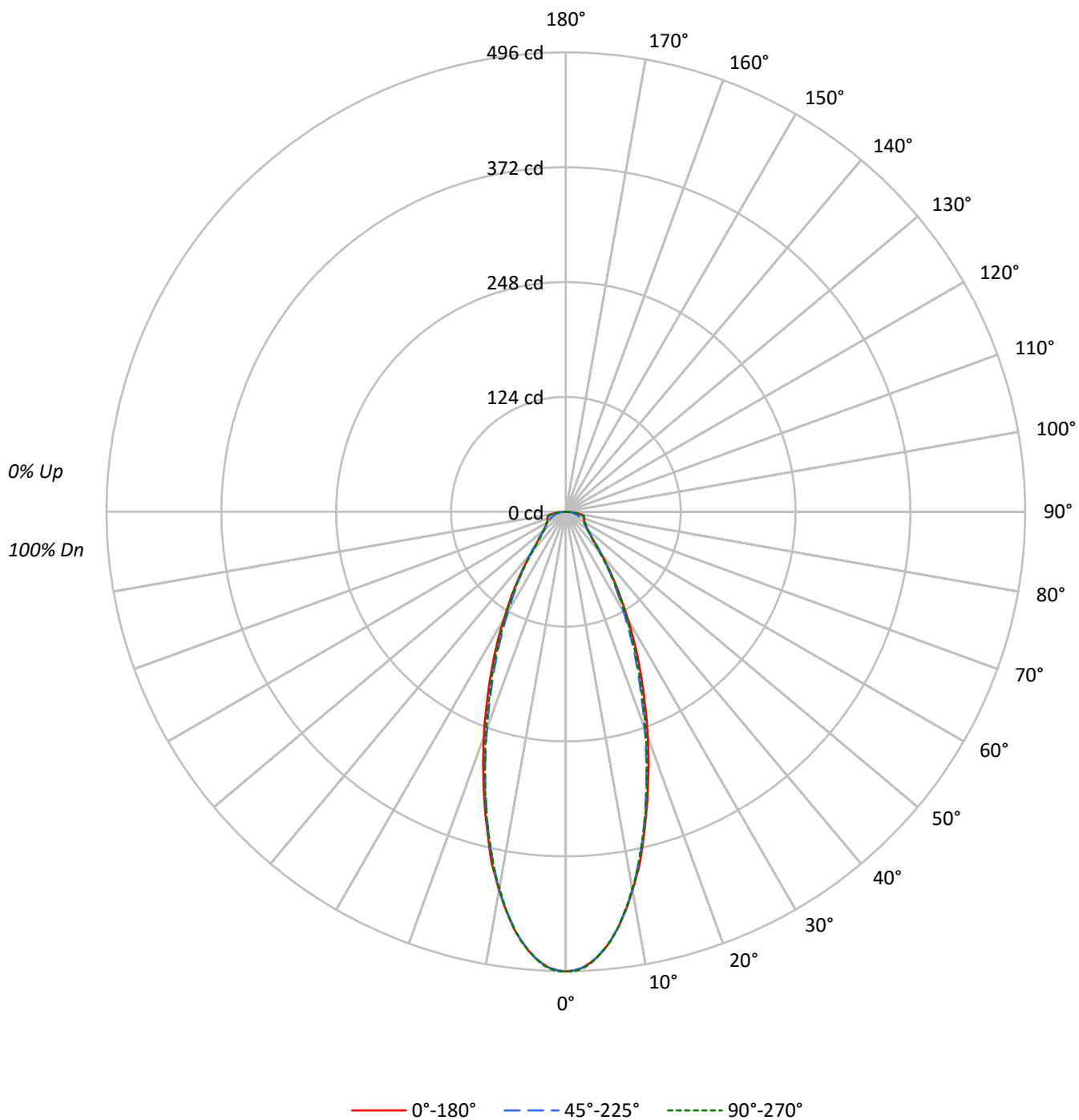
Lumens per Lamp: N/A
Luminaire Lumens: 375.0 lumens
Efficiency: N/A
Efficacy: 41.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1326169

CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQPHRLP1MW_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1326169

CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQPHRLP1MW_3500K

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	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80		
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72		
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	56		
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	53		
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49		
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	46		
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	85509	85509	85509
5°	82049	81945	81945
10°	72540	72435	72225
15°	59908	59052	59373
20°	47450	45507	46259
25°	36143	34224	35136
30°	26628	24739	25813
35°	19069	18186	18438
40°	13062	13332	12657
45°	9669	10254	9523
50°	8413	8413	8252
55°	8017	7657	8017
60°	8163	7543	8163
65°	8925	7743	8925
70°	10726	7755	10423
75°	13375	8251	13375
80°	17059	8827	15869
85°	14030	8102	14030

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 17059 cd/sqm

TEST NUMBER: P1326169

CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQPHRLP1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	11.6
10°-20°	92.1	24.6
20°-30°	84.4	22.5
30°-40°	55.6	14.8
40°-50°	32.4	8.6
50°-60°	23.7	6.3
60°-70°	20.1	5.4
70°-80°	16.6	4.4
80°-90°	6.9	1.8
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°	219.8	58.6
0°-40°	275.4	73.4
0°-60°	331.5	88.4
0°-90°	375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	375.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	496	496	496	496	496	
5°	475	474	474	475	474	43
15°	336	335	331	332	333	93
25°	190	185	180	181	185	87
35°	91	89	86	86	88	57
45°	40	41	42	40	39	32
55°	27	27	26	26	27	24
65°	22	20	19	20	22	22
75°	20	15	12	15	20	21
85°	7	8	4	8	7	8
90°	0	0	0	0	0	

TEST NUMBER: P1326169

CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQPHRLP1MW_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	496.5	496.5	496.5	496.5	496.5
1°	495.3	495.3	495.3	495.3	496.5
2°	493.0	492.4	493.0	493.0	493.6
3°	488.2	488.2	488.2	488.2	489.4
4°	482.3	482.3	482.3	482.3	482.3
5°	474.6	474.0	474.0	474.6	474.0
6°	465.1	465.1	465.1	465.1	465.7
7°	454.5	453.9	453.9	453.3	454.5
8°	442.0	442.0	441.4	440.8	442.0
9°	429.0	429.6	428.4	427.8	427.8
10°	414.8	414.2	414.2	414.2	413.0
11°	400.5	398.8	398.2	398.2	399.4
12°	386.3	383.4	382.2	382.2	382.2
13°	369.1	368.0	366.2	365.0	365.6
14°	352.0	352.0	349.0	349.0	350.2
15°	336.0	334.8	331.2	332.4	333.0
17.5°	296.3	293.9	289.7	289.7	290.3
20°	258.9	254.8	248.3	251.2	252.4
22.5°	222.2	218.0	211.5	214.5	215.7
25°	190.2	184.9	180.1	180.7	184.9
27.5°	161.2	155.2	150.5	152.3	154.6
30°	133.9	130.4	124.4	127.4	129.8
32.5°	110.8	107.8	103.7	105.5	107.8
35°	90.7	88.9	86.5	86.5	87.7
37.5°	73.5	72.9	71.7	71.1	70.5
40°	58.1	59.3	59.3	58.1	56.3
42.5°	47.4	48.6	49.8	47.4	45.6
45°	39.7	40.9	42.1	39.7	39.1
47.5°	35.0	35.6	36.1	35.0	34.4
50°	31.4	31.4	31.4	30.8	30.8
52.5°	29.0	28.4	27.8	28.4	28.4
55°	26.7	26.7	25.5	26.1	26.7
57.5°	24.9	24.3	23.7	24.3	24.9
60°	23.7	22.5	21.9	22.5	23.7
62.5°	22.5	21.3	20.1	21.3	22.5
65°	21.9	20.1	19.0	20.1	21.9
67.5°	21.3	19.0	17.2	19.0	21.3
70°	21.3	17.8	15.4	17.8	20.7
72.5°	20.7	16.6	14.2	16.6	20.7
75°	20.1	15.4	12.4	15.4	20.1
77.5°	19.6	14.2	10.7	14.2	19.0
80°	17.2	13.0	8.9	13.0	16.0
82.5°	12.4	10.7	7.1	10.7	11.9
85°	7.1	7.7	4.1	7.7	7.1
87.5°	1.2	1.8	1.2	3.0	2.4



TEST NUMBER: P1326169

CATALOG NUMBER: LDSQA3D09R25W2N902750DE010 3LSQPHRLP1MW_3500K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)