

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: P1326160

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326160
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

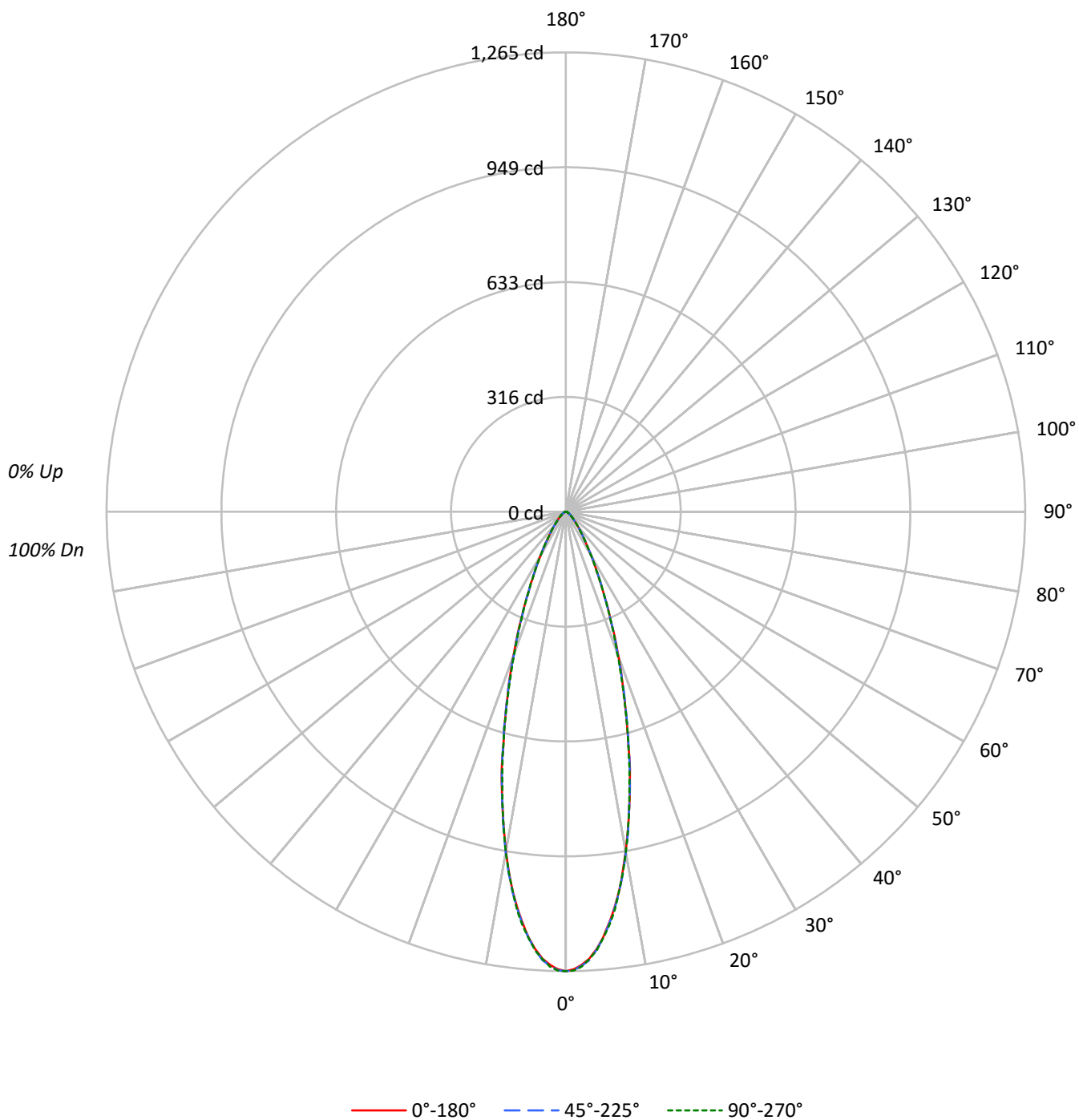
Lumens per Lamp: N/A
Luminaire Lumens: 507.0 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	217913	217913	217913
5°	203411	203601	203705
10°	165908	166433	166433
15°	118497	119139	118497
20°	77562	76792	75711
25°	46119	46328	46119
30°	27782	27782	27662
35°	16925	17051	16925
40°	10769	10904	10904
45°	7502	7502	7502
50°	5385	5546	5546
55°	4264	4264	4444
60°	3479	3686	3686
65°	3138	3138	3138
70°	2669	2669	2971
75°	2396	2396	2728
80°	2380	2380	2380
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7502 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	20.7
10°-20°	183.3	36.1
20°-30°	115.2	22.7
30°-40°	52.7	10.4
40°-50°	24.6	4.9
50°-60°	13.2	2.6
60°-70°	7.8	1.5
70°-80°	4.1	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°	403.7	79.6
0°-40°	456.4	90.0
0°-60°	494.2	97.5
0°-90°	507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	507.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1265	1265	1265	1265	1265	
5°	1177	1179	1178	1179	1178	105
15°	665	669	668	669	665	183
25°	243	246	244	244	243	115
35°	80	80	81	81	80	53
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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1265.3	1265.3	1265.3	1265.3	1265.3
1°	1260.0	1261.2	1262.4	1264.1	1263.6
2°	1248.2	1250.5	1251.1	1253.5	1252.9
3°	1232.2	1231.6	1236.3	1236.3	1233.4
4°	1207.3	1208.5	1209.7	1210.9	1211.5
5°	1176.6	1178.9	1177.7	1178.9	1178.3
6°	1138.7	1142.2	1141.6	1142.8	1144.6
7°	1098.4	1100.8	1100.8	1099.6	1104.4
8°	1054.6	1052.9	1055.8	1054.6	1054.1
9°	1002.6	1006.1	1006.7	1003.7	1004.9
10°	948.7	951.1	951.7	953.4	951.7
11°	895.4	895.4	896.6	899.6	894.8
12°	837.4	842.8	837.4	839.8	837.4
13°	782.4	783.6	782.4	781.8	777.7
14°	730.3	726.2	727.4	722.6	723.2
15°	664.6	668.8	668.2	669.4	664.6
17.5°	534.4	536.8	536.2	535.0	529.1
20°	423.2	423.2	419.0	416.6	413.1
22.5°	323.1	322.0	320.2	318.4	319.6
25°	242.7	245.6	243.8	243.8	242.7
27.5°	183.5	187.0	184.1	182.3	183.5
30°	139.7	140.9	139.7	139.1	139.1
32.5°	105.3	105.9	105.3	105.3	105.3
35°	80.5	80.5	81.1	81.1	80.5
37.5°	62.1	62.1	62.1	62.1	62.7
40°	47.9	48.5	48.5	48.5	48.5
42.5°	37.9	38.5	38.5	38.5	38.5
45°	30.8	30.8	30.8	30.8	30.8
47.5°	24.9	24.9	24.9	24.9	25.4
50°	20.1	20.7	20.7	20.7	20.7
52.5°	17.2	17.2	17.2	17.2	17.2
55°	14.2	14.2	14.2	14.8	14.8
57.5°	11.8	11.8	12.4	12.4	12.4
60°	10.1	10.7	10.7	10.7	10.7
62.5°	8.9	8.9	9.5	9.5	9.5
65°	7.7	7.7	7.7	7.7	7.7
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°	3.6	3.6	3.6	4.1	4.1
77.5°	3.0	3.0	3.0	3.0	3.0
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



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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)