

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: P1326358

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQPHRLP1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

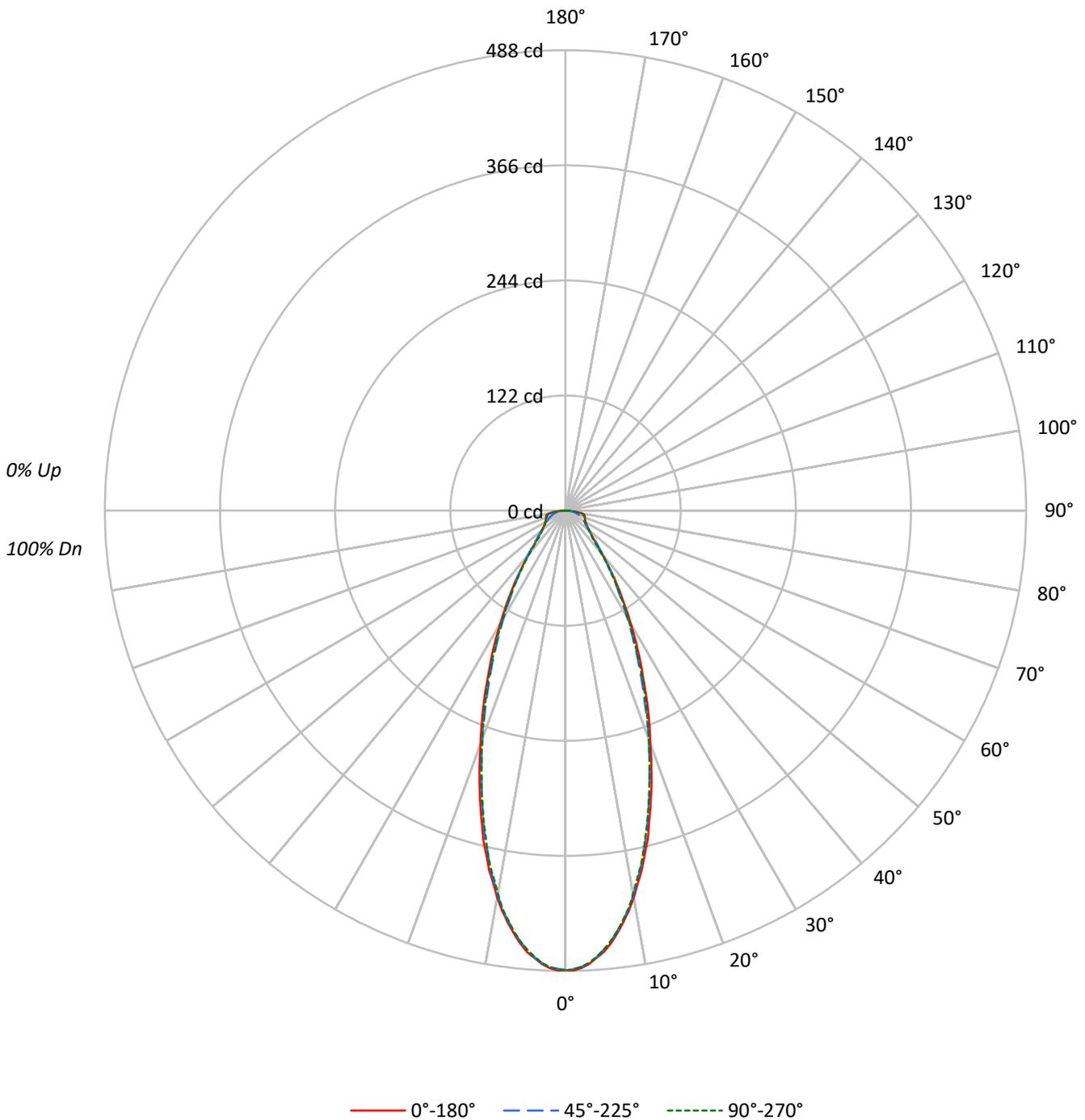
Test Method: LM-79-2019  
Report Number: P1326358  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R30W2N902750DE010 3LSQPHRLP1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,  
3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 384.0 lumens  
Efficiency: N/A  
Efficacy: 42.7 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
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	0
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	92	88	85	89	86	83	86	84	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	83872	83872	83872
5°	81133	80735	80735
10°	72820	72400	72103
15°	61031	60086	59979
20°	48183	47212	47212
25°	36884	35421	36105
30°	27364	25972	26549
35°	19784	18922	19048
40°	13624	13894	13219
45°	10181	10595	9742
50°	8815	8654	8654
55°	8287	7957	8137
60°	8508	7888	8301
65°	9332	7906	9088
70°	10977	8006	10675
75°	14107	8584	13708
80°	17456	9323	16365
85°	14030	9287	12844

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 17456 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.9	11.2
10°-20°	93.4	24.3
20°-30°	87.0	22.7
30°-40°	57.7	15.0
40°-50°	33.6	8.8
50°-60°	24.5	6.4
60°-70°	20.7	5.4
70°-80°	17.1	4.5
80°-90°	7.1	1.9
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°	223.3	58.1
0°-40°	281.0	73.2
0°-60°	339.1	88.3
0°-90°	384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	384.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	487	487	487	487	487	
5°	469	469	467	467	467	43
15°	342	339	337	336	336	95
25°	194	190	186	187	190	89
35°	94	92	90	91	91	59
45°	42	42	44	41	40	33
55°	28	27	26	27	27	25
65°	23	21	19	21	22	23
75°	21	16	13	16	21	22
85°	7	8	5	8	6	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	487.0	487.0	487.0	487.0	487.0
1°	487.5	487.0	485.8	486.4	486.4
2°	485.2	484.6	484.0	484.0	484.0
3°	481.1	480.5	479.9	479.9	479.9
4°	475.2	474.6	474.6	474.0	474.0
5°	469.3	468.7	467.0	467.0	467.0
6°	461.1	460.5	459.3	458.7	458.7
7°	451.1	451.1	449.3	448.7	449.3
8°	440.5	439.9	438.7	438.1	438.1
9°	429.3	427.6	427.6	425.8	427.0
10°	416.4	415.2	414.0	412.9	412.3
11°	401.7	401.1	399.3	398.1	397.6
12°	389.3	386.4	385.2	383.4	384.6
13°	373.4	371.7	368.7	368.2	368.7
14°	359.9	356.4	354.0	352.9	352.3
15°	342.3	338.7	337.0	336.4	336.4
17.5°	302.9	300.5	295.8	295.8	295.8
20°	262.9	260.5	257.6	257.0	257.6
22.5°	228.2	224.1	219.4	220.0	223.5
25°	194.1	190.5	186.4	187.0	190.0
27.5°	165.3	160.6	156.4	157.6	159.4
30°	137.6	134.7	130.6	131.7	133.5
32.5°	114.1	112.3	107.6	108.8	110.6
35°	94.1	92.3	90.0	90.6	90.6
37.5°	75.3	75.3	74.7	74.1	73.5
40°	60.6	61.8	61.8	60.0	58.8
42.5°	49.4	50.6	51.8	49.4	47.6
45°	41.8	42.3	43.5	41.2	40.0
47.5°	36.5	36.5	37.6	35.9	35.3
50°	32.9	32.9	32.3	31.8	32.3
52.5°	30.0	29.4	28.8	29.4	29.4
55°	27.6	27.1	26.5	27.1	27.1
57.5°	25.9	25.3	24.7	24.7	25.3
60°	24.7	23.5	22.9	23.5	24.1
62.5°	23.5	21.8	21.2	21.8	22.9
65°	22.9	20.6	19.4	20.6	22.3
67.5°	22.3	19.4	17.6	19.4	21.8
70°	21.8	18.2	15.9	18.2	21.2
72.5°	21.2	17.1	14.7	17.1	21.2
75°	21.2	15.9	12.9	15.9	20.6
77.5°	20.0	14.7	11.2	14.7	19.4
80°	17.6	13.5	9.4	12.9	16.5
82.5°	12.9	11.8	7.1	11.2	12.4
85°	7.1	8.2	4.7	7.6	6.5
87.5°	1.2	1.8	1.2	3.5	2.4



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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)