

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: P1324383

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHRLD1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324383  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R20W2N902750DE010 3LSQPHRLD1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,  
3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

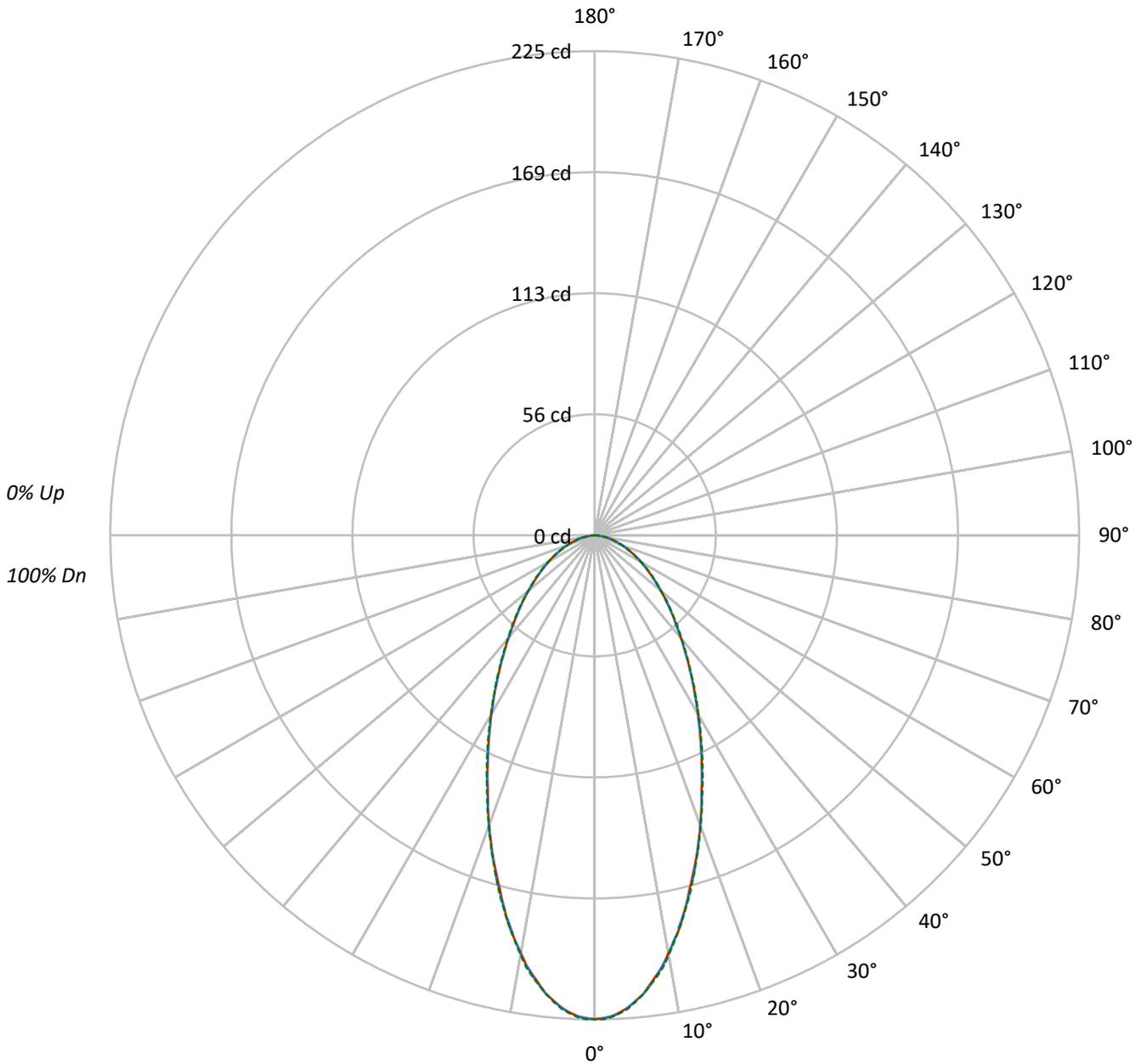
Lumens per Lamp: N/A  
Luminaire Lumens: 269.0 lumens  
Efficiency: N/A  
Efficacy: 45.6 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

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

	0°	45°	90°
0°	38733	38733	38733
5°	37567	37567	37636
10°	34486	34556	34626
15°	30364	30507	30578
20°	26282	26282	26355
25°	22366	22366	22518
30°	19091	19012	19171
35°	16294	16294	16378
40°	13984	13984	14074
45°	12227	12227	12324
50°	10771	10771	10771
55°	9518	9518	9638
60°	8577	8577	8577
65°	7702	7702	7702
70°	6899	6899	6899
75°	6122	5856	6122
80°	5157	5157	5157
85°	3162	3162	3952

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 12324 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.1	7.5
10°-20°	47.6	17.7
20°-30°	54.2	20.2
30°-40°	48.7	18.1
40°-50°	39.0	14.5
50°-60°	28.6	10.7
60°-70°	18.8	7.0
70°-80°	9.7	3.6
80°-90°	2.2	0.8
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°	121.9	45.3
0°-40°	170.6	63.4
0°-60°	238.3	88.6
0°-90°	269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	269.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	225	225	225	225	225	
5°	217	217	217	217	218	20
15°	170	170	171	171	172	48
25°	118	118	118	118	118	54
35°	78	78	78	78	78	49
45°	50	50	50	50	51	39
55°	32	32	32	32	32	29
65°	19	18	19	19	19	19
75°	9	9	9	9	9	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	224.9	224.9	224.9	224.9	224.9
1°	224.5	224.1	224.5	224.5	224.9
2°	223.7	223.7	223.7	223.3	224.1
3°	222.1	222.1	222.5	222.1	222.5
4°	220.1	220.1	220.1	219.7	220.5
5°	217.3	217.3	217.3	217.3	217.7
6°	214.5	214.1	214.5	214.1	214.5
7°	210.4	210.4	210.8	210.4	210.8
8°	206.4	206.0	206.8	206.4	207.2
9°	202.4	202.0	202.4	202.0	203.2
10°	197.2	197.6	197.6	197.6	198.0
12.5°	185.1	184.3	184.3	184.3	185.1
15°	170.3	170.3	171.1	171.1	171.5
17.5°	157.0	156.6	157.4	157.4	157.4
20°	143.4	143.0	143.4	143.4	143.8
22.5°	129.7	130.1	130.1	130.1	130.5
25°	117.7	117.7	117.7	118.1	118.5
27.5°	106.4	106.0	106.4	106.8	107.2
30°	96.0	95.6	95.6	96.0	96.4
32.5°	86.3	85.9	86.3	86.3	86.7
35°	77.5	77.5	77.5	77.5	77.9
37.5°	69.5	69.5	69.5	69.9	69.9
40°	62.2	62.2	62.2	62.6	62.6
42.5°	55.8	55.8	55.8	56.2	56.6
45°	50.2	50.2	50.2	50.2	50.6
47.5°	45.0	45.0	45.0	45.4	45.4
50°	40.2	39.8	40.2	40.6	40.2
52.5°	35.7	35.7	35.7	35.7	36.1
55°	31.7	31.7	31.7	31.7	32.1
57.5°	28.1	28.1	28.1	28.5	28.5
60°	24.9	24.9	24.9	24.9	24.9
62.5°	21.7	21.7	21.7	21.7	21.7
65°	18.9	18.5	18.9	18.9	18.9
67.5°	16.1	16.1	16.1	16.1	16.1
70°	13.7	13.7	13.7	13.7	13.7
72.5°	11.2	11.2	11.2	11.2	11.2
75°	9.2	8.8	8.8	9.2	9.2
77.5°	7.2	6.8	7.2	7.2	7.2
80°	5.2	5.2	5.2	5.2	5.2
82.5°	3.2	3.2	3.2	3.6	3.6
85°	1.6	1.6	1.6	2.0	2.0
87.5°	0.4	0.4	0.4	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)