

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: P1327593

Luminaire Tested: LDSQA3D13R20W2N902750DE010 3LSQPHRLD1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

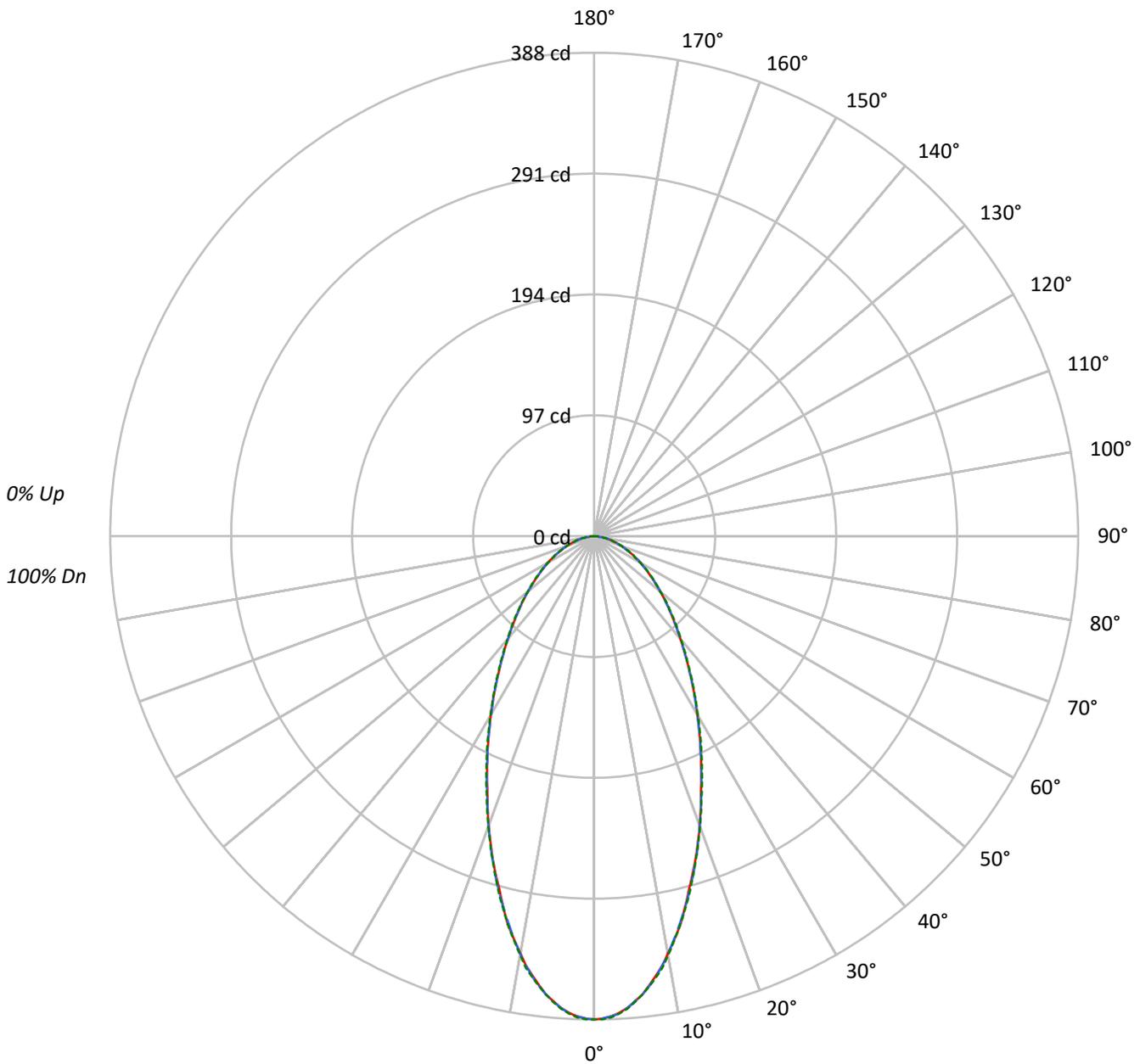
Test Method: LM-79-2019  
Report Number: P1327593  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R20W2N902750DE010 3LSQPHRLD1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,  
3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 464.0 lumens  
Efficiency: N/A  
Efficacy: 37.7 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): 12.3  
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	45
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°	66805	66805	66805
5°	64796	64796	64917
10°	59477	59599	59721
15°	52366	52616	52741
20°	45324	45324	45452
25°	38575	38575	38841
30°	32932	32793	33071
35°	28110	28110	28257
40°	24146	24146	24303
45°	21092	21092	21263
50°	18568	18568	18568
55°	16424	16424	16634
60°	14777	14777	14777
65°	13285	13285	13285
70°	11884	11884	11884
75°	10580	10114	10580
80°	8926	8926	8926
85°	5533	5533	6916

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 21263 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.7	7.5
10°-20°	82.1	17.7
20°-30°	93.5	20.2
30°-40°	84.0	18.1
40°-50°	67.3	14.5
50°-60°	49.4	10.7
60°-70°	32.3	7.0
70°-80°	16.8	3.6
80°-90°	3.9	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°	210.3	45.3
0°-40°	294.3	63.4
0°-60°	411.1	88.6
0°-90°	464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	464.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	388	388	388	388	388	
5°	375	375	375	375	376	35
15°	294	294	295	295	296	82
25°	203	203	203	204	204	93
35°	134	134	134	134	134	84
45°	87	87	87	87	87	67
55°	55	55	55	55	55	49
65°	33	32	33	33	33	32
75°	16	15	15	16	16	17
85°	3	3	3	4	4	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	387.9	387.9	387.9	387.9	387.9
1°	387.2	386.5	387.2	387.2	387.9
2°	385.8	385.8	385.8	385.2	386.5
3°	383.1	383.1	383.8	383.1	383.8
4°	379.6	379.6	379.6	378.9	380.3
5°	374.8	374.8	374.8	374.8	375.5
6°	369.9	369.2	369.9	369.2	369.9
7°	363.0	363.0	363.7	363.0	363.7
8°	356.1	355.4	356.8	356.1	357.4
9°	349.1	348.4	349.1	348.4	350.5
10°	340.1	340.8	340.8	340.8	341.5
12.5°	319.3	318.0	318.0	318.0	319.3
15°	293.7	293.7	295.1	295.1	295.8
17.5°	270.9	270.2	271.5	271.5	271.5
20°	247.3	246.6	247.3	247.3	248.0
22.5°	223.7	224.4	224.4	224.4	225.1
25°	203.0	203.0	203.0	203.7	204.4
27.5°	183.6	182.9	183.6	184.3	185.0
30°	165.6	164.9	164.9	165.6	166.3
32.5°	148.9	148.2	148.9	148.9	149.6
35°	133.7	133.7	133.7	133.7	134.4
37.5°	119.8	119.8	119.8	120.5	120.5
40°	107.4	107.4	107.4	108.1	108.1
42.5°	96.3	96.3	96.3	97.0	97.7
45°	86.6	86.6	86.6	86.6	87.3
47.5°	77.6	77.6	77.6	78.3	78.3
50°	69.3	68.6	69.3	70.0	69.3
52.5°	61.7	61.7	61.7	61.7	62.3
55°	54.7	54.7	54.7	54.7	55.4
57.5°	48.5	48.5	48.5	49.2	49.2
60°	42.9	42.9	42.9	42.9	42.9
62.5°	37.4	37.4	37.4	37.4	37.4
65°	32.6	31.9	32.6	32.6	32.6
67.5°	27.7	27.7	27.7	27.7	27.7
70°	23.6	23.6	23.6	23.6	23.6
72.5°	19.4	19.4	19.4	19.4	19.4
75°	15.9	15.2	15.2	15.9	15.9
77.5°	12.5	11.8	12.5	12.5	12.5
80°	9.0	9.0	9.0	9.0	9.0
82.5°	5.5	5.5	5.5	6.2	6.2
85°	2.8	2.8	2.8	3.5	3.5
87.5°	0.7	0.7	0.7	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)