

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: P1324389

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHRLP1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

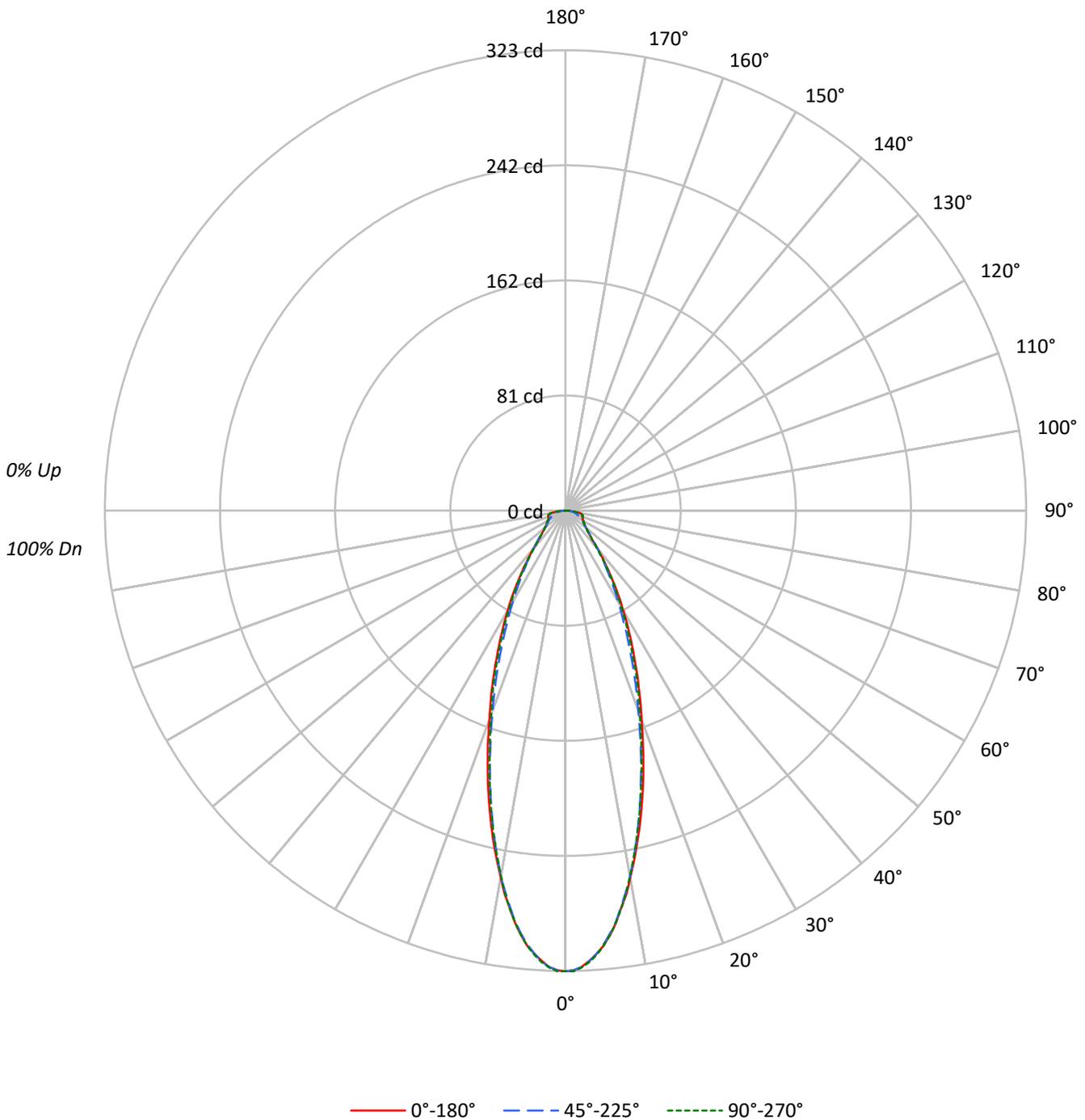
Test Method: LM-79-2019  
Report Number: P1324389  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R20W2N902750DE010 3LSQPHRLP1MW\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,  
3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 227.9 lumens  
Efficiency: N/A  
Efficacy: 38.6 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
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





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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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	50
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48	47
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	44

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

	0°	45°	90°
0°	55680	55680	55680
5°	52988	52850	52988
10°	45731	45591	45521
15°	37122	36266	36408
20°	28591	27345	27858
25°	21720	20124	21112
30°	16108	14676	15631
35°	11395	10617	11206
40°	7846	7846	7666
45°	5772	6065	5772
50°	5064	5064	5064
55°	4804	4684	4804
60°	4960	4547	4960
65°	5379	4564	5379
70°	6445	4633	6445
75°	8251	5057	8251
80°	10315	5157	9918
85°	7904	4742	8695

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 10315 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.7	12.2
10°-20°	56.6	24.8
20°-30°	50.6	22.2
30°-40°	33.2	14.6
40°-50°	19.3	8.5
50°-60°	14.3	6.3
60°-70°	12.1	5.3
70°-80°	10.0	4.4
80°-90°	4.2	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°	134.9	59.2
0°-40°	168.1	73.8
0°-60°	201.7	88.5
0°-90°	227.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	227.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	323	323	323	323	323	
5°	306	306	306	306	306	28
15°	208	206	203	204	204	58
25°	114	111	106	109	111	53
35°	54	52	50	52	53	34
45°	24	24	25	24	24	19
55°	16	16	16	16	16	15
65°	13	12	11	12	13	13
75°	12	9	8	9	12	13
85°	4	4	2	4	4	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	323.3	323.3	323.3	323.3	323.3
1°	322.5	322.9	322.5	322.9	323.3
2°	320.5	320.9	320.5	320.5	320.9
3°	316.5	316.9	316.9	316.9	317.3
4°	311.7	312.1	311.7	312.1	312.5
5°	306.5	306.1	305.7	306.1	306.5
6°	299.2	298.8	298.4	298.8	299.2
7°	291.2	290.8	290.4	290.4	290.8
8°	281.2	281.6	280.4	281.2	281.6
9°	272.4	271.6	270.8	270.8	271.6
10°	261.5	260.7	260.7	260.3	260.3
12.5°	235.1	233.5	232.2	232.2	232.6
15°	208.2	206.2	203.4	203.8	204.2
17.5°	181.3	178.9	175.3	176.1	176.9
20°	156.0	153.6	149.2	150.8	152.0
22.5°	134.4	130.8	126.8	128.0	132.0
25°	114.3	111.1	105.9	108.7	111.1
27.5°	96.7	93.1	88.6	91.5	93.9
30°	81.0	77.8	73.8	76.2	78.6
32.5°	67.0	64.2	61.4	63.0	65.0
35°	54.2	52.5	50.5	52.1	53.3
37.5°	43.7	42.9	42.1	42.9	42.5
40°	34.9	35.3	34.9	34.9	34.1
42.5°	27.7	28.9	29.3	28.5	27.7
45°	23.7	24.1	24.9	24.1	23.7
47.5°	20.9	20.9	21.3	20.9	20.5
50°	18.9	18.9	18.9	18.9	18.9
52.5°	17.2	17.2	16.8	17.2	17.2
55°	16.0	15.6	15.6	15.6	16.0
57.5°	15.2	14.8	14.4	14.8	15.2
60°	14.4	13.6	13.2	13.6	14.4
62.5°	13.6	12.8	12.4	12.8	13.6
65°	13.2	12.0	11.2	12.0	13.2
67.5°	12.8	11.2	10.4	11.2	13.2
70°	12.8	10.4	9.2	10.8	12.8
72.5°	12.4	10.0	8.4	10.0	12.4
75°	12.4	9.2	7.6	9.2	12.4
77.5°	11.6	8.4	6.4	8.4	11.6
80°	10.4	7.6	5.2	7.6	10.0
82.5°	7.6	6.4	4.0	6.4	7.6
85°	4.0	4.4	2.4	4.4	4.4
87.5°	0.4	1.6	0.8	2.4	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)