

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: P1324372

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHRL1MMS\_3000K

Issue Date: 1/29/2026

**Test Information**

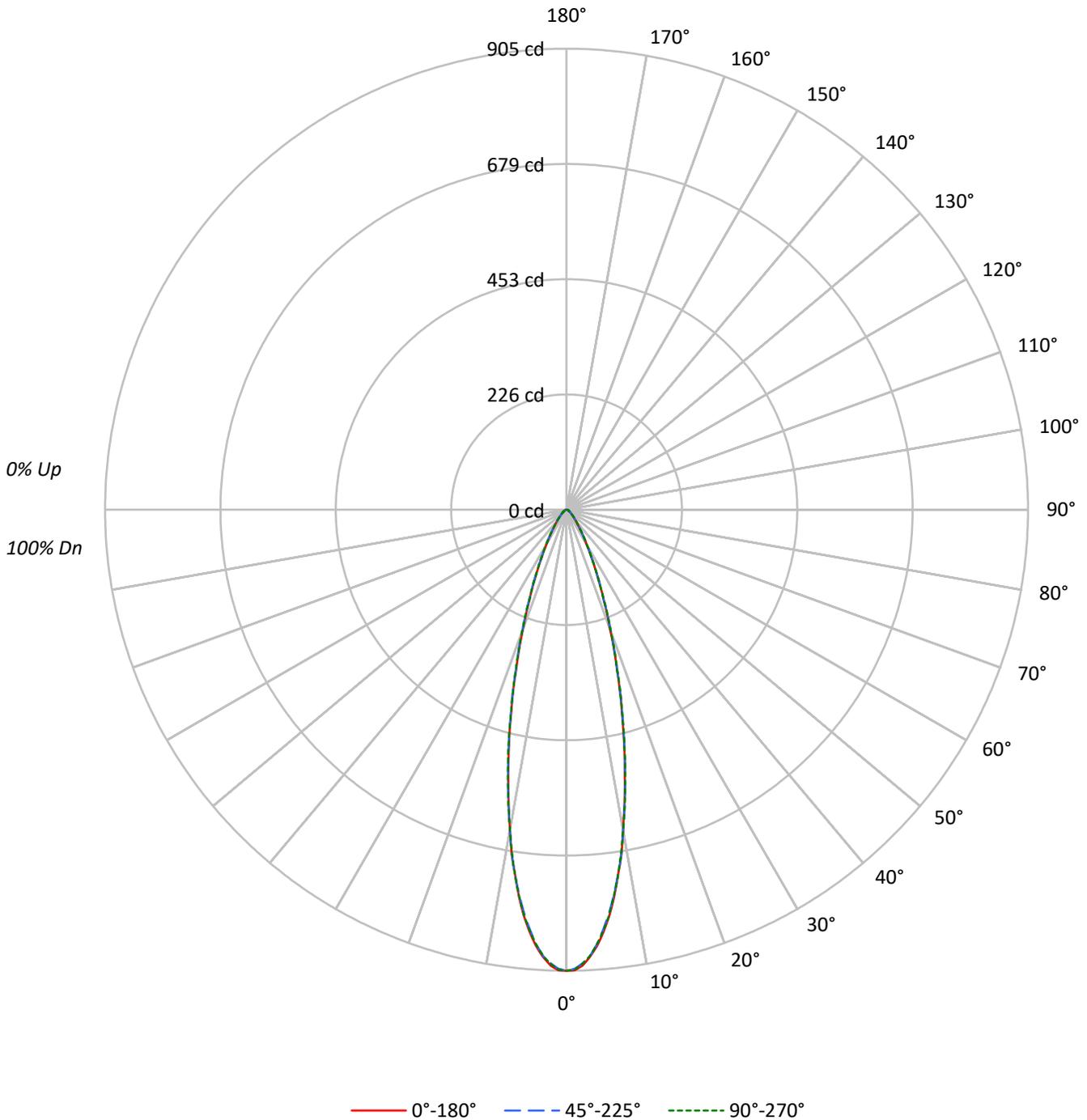
Test Method: LM-79-2019  
Report Number: P1324372  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R20W2N902750DE010 3LSQPHRL1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 318.0 lumens  
Efficiency: N/A  
Efficacy: 53.9 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
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				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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	155844	155844	155844
5°	143767	142955	143422
10°	111573	111713	111713
15°	75402	75759	75759
20°	45801	46387	46589
25°	26870	27250	27174
30°	15671	15989	16068
35°	9566	9818	9818
40°	6228	6317	6407
45°	4335	4433	4530
50°	3188	3296	3296
55°	2492	2612	2612
60°	2170	2170	2308
65°	1956	1956	2078
70°	1813	1813	1813
75°	1597	1597	1597
80°	1190	1190	1587
85°	790	790	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 4530 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.0	22.9
10°-20°	116.9	36.7
20°-30°	67.7	21.3
30°-40°	30.3	9.5
40°-50°	14.4	4.5
50°-60°	7.9	2.5
60°-70°	4.8	1.5
70°-80°	2.6	0.8
80°-90°	0.6	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°	257.5	81.0
0°-40°	287.8	90.5
0°-60°	310.1	97.5
0°-90°	318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	318.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	905	905	905	905	905	
5°	832	829	827	828	830	73
15°	423	423	425	423	425	117
25°	141	141	143	142	143	67
35°	46	46	47	47	47	30
45°	18	18	18	18	19	14
55°	8	8	9	9	9	8
65°	5	5	5	5	5	5
75°	2	2	2	2	2	3
85°	0	0	0	0	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	904.9	904.9	904.9	904.9	904.9
1°	904.5	902.1	901.3	900.5	902.9
2°	895.4	892.6	891.0	891.8	892.2
3°	879.2	877.6	877.6	876.4	877.2
4°	858.2	855.0	855.0	855.4	855.4
5°	831.6	828.9	826.9	828.5	829.6
6°	801.9	798.4	796.8	797.2	799.9
7°	765.5	760.7	761.5	763.5	763.5
8°	724.3	723.9	724.7	723.9	724.7
9°	686.3	680.7	685.5	681.5	683.5
10°	638.0	637.6	638.8	640.0	638.8
12.5°	527.9	529.9	530.7	529.1	532.6
15°	422.9	422.9	424.9	422.9	424.9
17.5°	329.1	328.7	330.3	328.7	331.1
20°	249.9	252.7	253.1	253.1	254.2
22.5°	188.5	188.5	190.1	190.5	189.7
25°	141.4	141.4	143.4	142.2	143.0
27.5°	104.5	105.3	106.9	107.7	107.7
30°	78.8	79.2	80.4	80.8	80.8
32.5°	59.4	60.2	61.0	61.4	61.8
35°	45.5	45.9	46.7	47.1	46.7
37.5°	34.8	35.2	36.0	36.4	36.4
40°	27.7	27.7	28.1	28.5	28.5
42.5°	21.8	22.2	22.2	22.6	22.6
45°	17.8	17.8	18.2	18.2	18.6
47.5°	14.3	14.3	14.7	15.0	15.0
50°	11.9	11.9	12.3	12.3	12.3
52.5°	9.9	9.9	10.3	10.3	10.3
55°	8.3	8.3	8.7	8.7	8.7
57.5°	7.1	7.1	7.5	7.5	7.5
60°	6.3	6.3	6.3	6.3	6.7
62.5°	5.5	5.5	5.5	5.5	5.5
65°	4.8	4.8	4.8	4.8	5.1
67.5°	4.0	4.0	4.0	4.0	4.4
70°	3.6	3.6	3.6	3.6	3.6
72.5°	2.8	2.8	2.8	3.2	3.2
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.2	1.2	1.2	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)