

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: P1324346

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQCDR1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

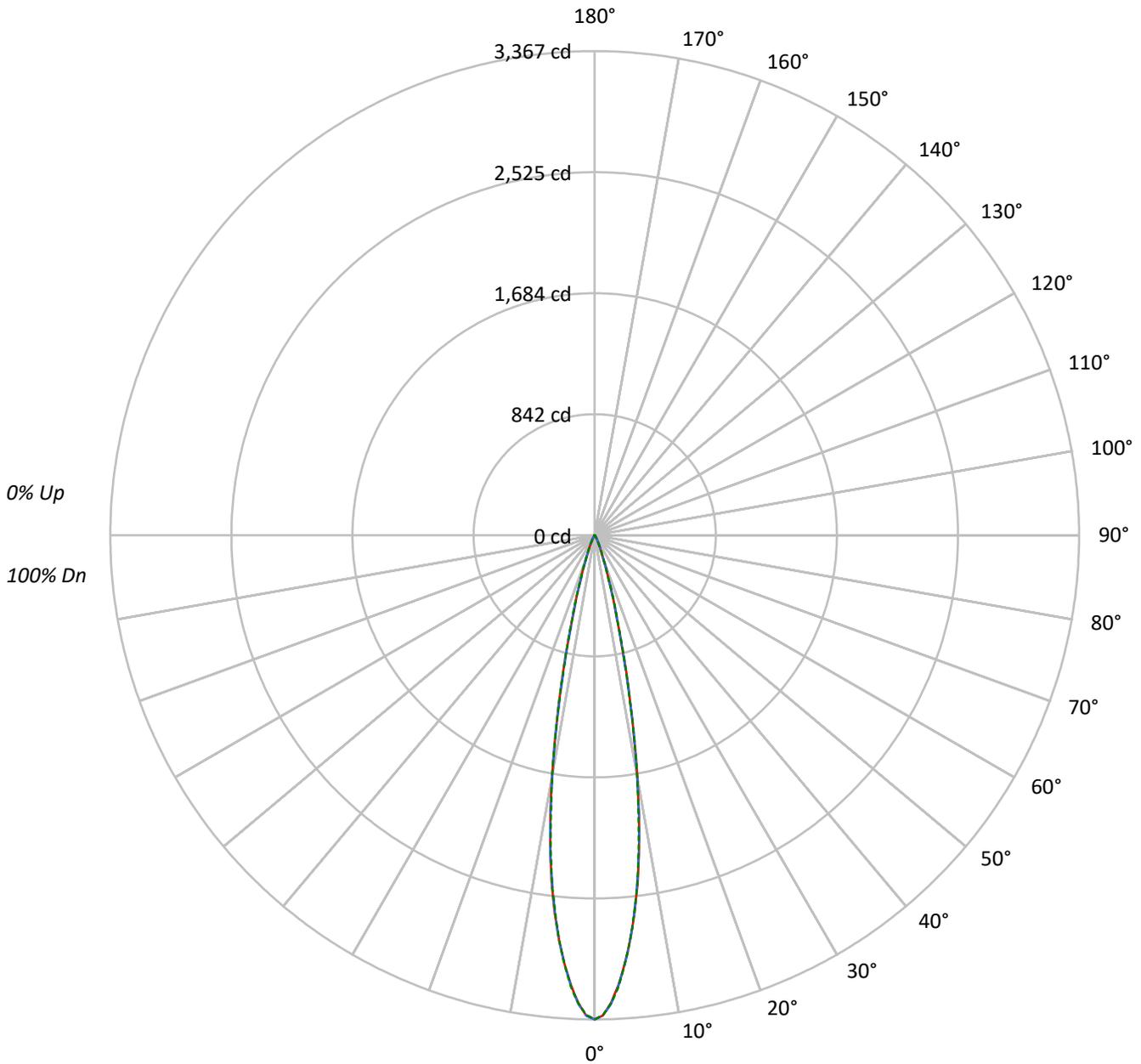
Test Method: LM-79-2019  
Report Number: P1324346  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R20W2N902750DE010 3LSQCDR1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 464.1 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	81

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

	0°	45°	90°
0°	579891	579891	579891
5°	488750	488941	488699
10°	297837	296456	297138
15°	104911	105356	108619
20°	32971	33888	33155
25°	12352	13511	12694
30°	4793	6781	4992
35°	1808	3028	1955
40°	967	1281	967
45°	341	609	438
50°	188	295	188
55°	210	210	210
60°	138	138	138
65°	163	163	163
70°	201	201	201
75°	0	0	266
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 609 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.7	50.4
10°-20°	183.3	39.5
20°-30°	36.0	7.8
30°-40°	8.1	1.7
40°-50°	1.8	0.4
50°-60°	0.6	0.1
60°-70°	0.4	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	453.0	97.6
0°-40°	461.1	99.4
0°-60°	463.5	99.9
0°-90°	464.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	464.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3367	3367	3367	3367	3367	
5°	2827	2830	2828	2838	2827	234
15°	588	591	591	604	609	183
25°	65	69	71	70	67	34
35°	9	10	14	10	9	6
45°	1	2	2	2	2	1
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3367.1	3367.1	3367.1	3367.1	3367.1
1°	3339.8	3332.6	3340.8	3334.4	3335.8
2°	3253.3	3249.3	3260.1	3253.3	3256.8
3°	3133.0	3128.0	3135.9	3136.2	3146.3
4°	2989.4	2979.7	2991.5	2991.9	2993.7
5°	2827.1	2829.6	2828.2	2837.9	2826.8
6°	2644.7	2653.0	2642.2	2647.6	2632.2
7°	2440.8	2430.4	2425.0	2426.8	2437.6
8°	2215.7	2208.6	2216.5	2205.3	2197.8
9°	1965.5	1953.0	1961.6	1950.8	1940.0
10°	1703.1	1697.3	1695.2	1683.0	1699.1
11°	1439.9	1422.7	1431.3	1425.2	1442.8
12°	1193.7	1195.1	1178.2	1183.6	1185.8
13°	971.5	948.5	951.3	966.1	968.6
14°	753.5	756.8	757.8	768.3	774.4
15°	588.4	590.9	590.9	603.8	609.2
17.5°	315.6	315.6	322.4	323.8	324.5
20°	179.9	180.9	184.9	184.5	180.9
22.5°	107.7	109.9	112.0	109.9	107.7
25°	65.0	69.3	71.1	70.0	66.8
27.5°	38.8	43.4	48.5	44.5	38.4
30°	24.1	26.6	34.1	27.3	25.1
32.5°	13.3	17.2	23.3	17.9	13.6
35°	8.6	10.4	14.4	10.4	9.3
37.5°	6.1	7.2	9.0	7.5	6.5
40°	4.3	5.0	5.7	5.4	4.3
42.5°	2.9	3.6	3.9	3.6	2.9
45°	1.4	2.2	2.5	2.2	1.8
47.5°	0.7	1.1	1.8	1.1	0.7
50°	0.7	0.7	1.1	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.4	0.7	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.4
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)