

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: P1324432

Luminaire Tested: LDSQA3D05R20W2N902765DE010 3LSQCDR1MW\_6500K

Issue Date: 1/29/2026

**Test Information**

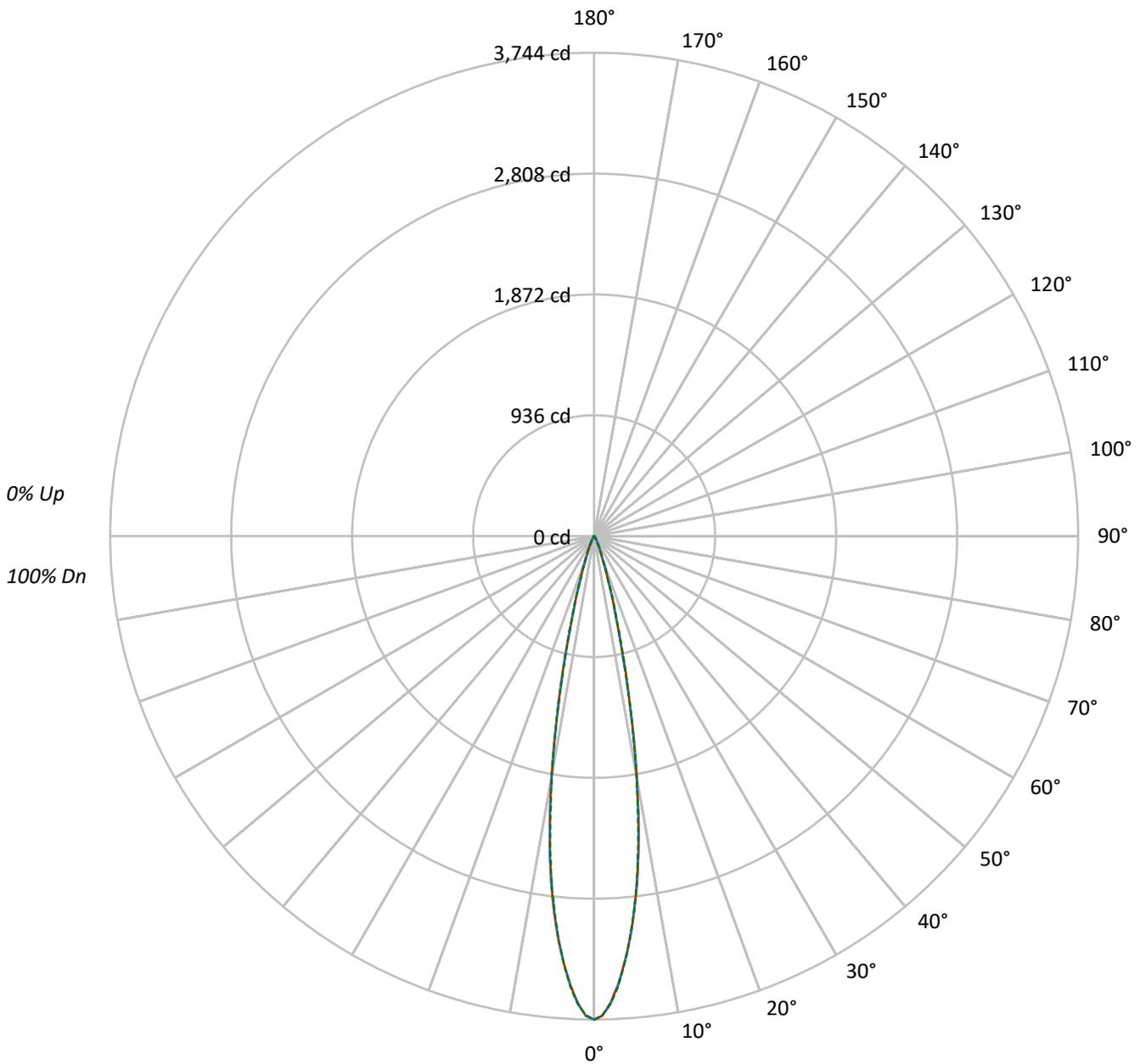
Test Method: LM-79-2019  
Report Number: P1324432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R20W2N902765DE010 3LSQCDR1MW\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 6500K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 516.0 lumens  
Efficiency: N/A  
Efficacy: 87.5 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% Up  
100% Dn

— 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	100	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	94
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	86	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°	644870	644870	644870
5°	543536	543744	543467
10°	331222	329683	330452
15°	116660	117160	120797
20°	36655	37681	36875
25°	13739	15012	14119
30°	5310	7537	5548
35°	2018	3364	2187
40°	1079	1439	1079
45°	390	682	487
50°	214	322	214
55°	240	240	240
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: 682 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.9	50.4
10°-20°	203.8	39.5
20°-30°	40.0	7.8
30°-40°	9.0	1.7
40°-50°	2.0	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°	503.8	97.6
0°-40°	512.8	99.4
0°-60°	515.5	99.9
0°-90°	516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	516.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3744	3744	3744	3744	3744	
5°	3144	3147	3145	3156	3144	260
15°	654	657	657	672	678	203
25°	72	77	79	78	74	38
35°	10	12	16	12	10	7
45°	2	2	3	2	2	2
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°	3744.4	3744.4	3744.4	3744.4	3744.4
1°	3714.1	3706.1	3715.3	3708.1	3709.7
2°	3617.8	3613.4	3625.4	3617.8	3621.8
3°	3484.1	3478.5	3487.3	3487.7	3498.9
4°	3324.4	3313.6	3326.8	3327.2	3329.2
5°	3144.0	3146.7	3145.2	3155.9	3143.6
6°	2941.1	2950.3	2938.3	2944.3	2927.2
7°	2714.4	2702.8	2696.8	2698.8	2710.8
8°	2464.1	2456.1	2464.9	2452.5	2444.1
9°	2185.8	2171.8	2181.4	2169.4	2157.4
10°	1894.0	1887.6	1885.2	1871.6	1889.6
11°	1601.3	1582.2	1591.7	1585.0	1604.5
12°	1327.4	1329.0	1310.3	1316.3	1318.7
13°	1080.3	1054.8	1058.0	1074.3	1077.1
14°	838.0	841.6	842.8	854.4	861.1
15°	654.3	657.1	657.1	671.5	677.5
17.5°	350.9	350.9	358.5	360.1	360.9
20°	200.0	201.2	205.6	205.2	201.2
22.5°	119.8	122.2	124.6	122.2	119.8
25°	72.3	77.1	79.0	77.9	74.3
27.5°	43.1	48.3	53.9	49.5	42.7
30°	26.7	29.5	37.9	30.3	27.9
32.5°	14.8	19.2	26.0	20.0	15.2
35°	9.6	11.6	16.0	11.6	10.4
37.5°	6.8	8.0	10.0	8.4	7.2
40°	4.8	5.6	6.4	6.0	4.8
42.5°	3.2	4.0	4.4	4.0	3.2
45°	1.6	2.4	2.8	2.4	2.0
47.5°	0.8	1.2	2.0	1.2	0.8
50°	0.8	0.8	1.2	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.4	0.8	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)