

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: P1324434

Luminaire Tested: LDSQA3D05R20W2N902765DE010 3LSQPHR1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

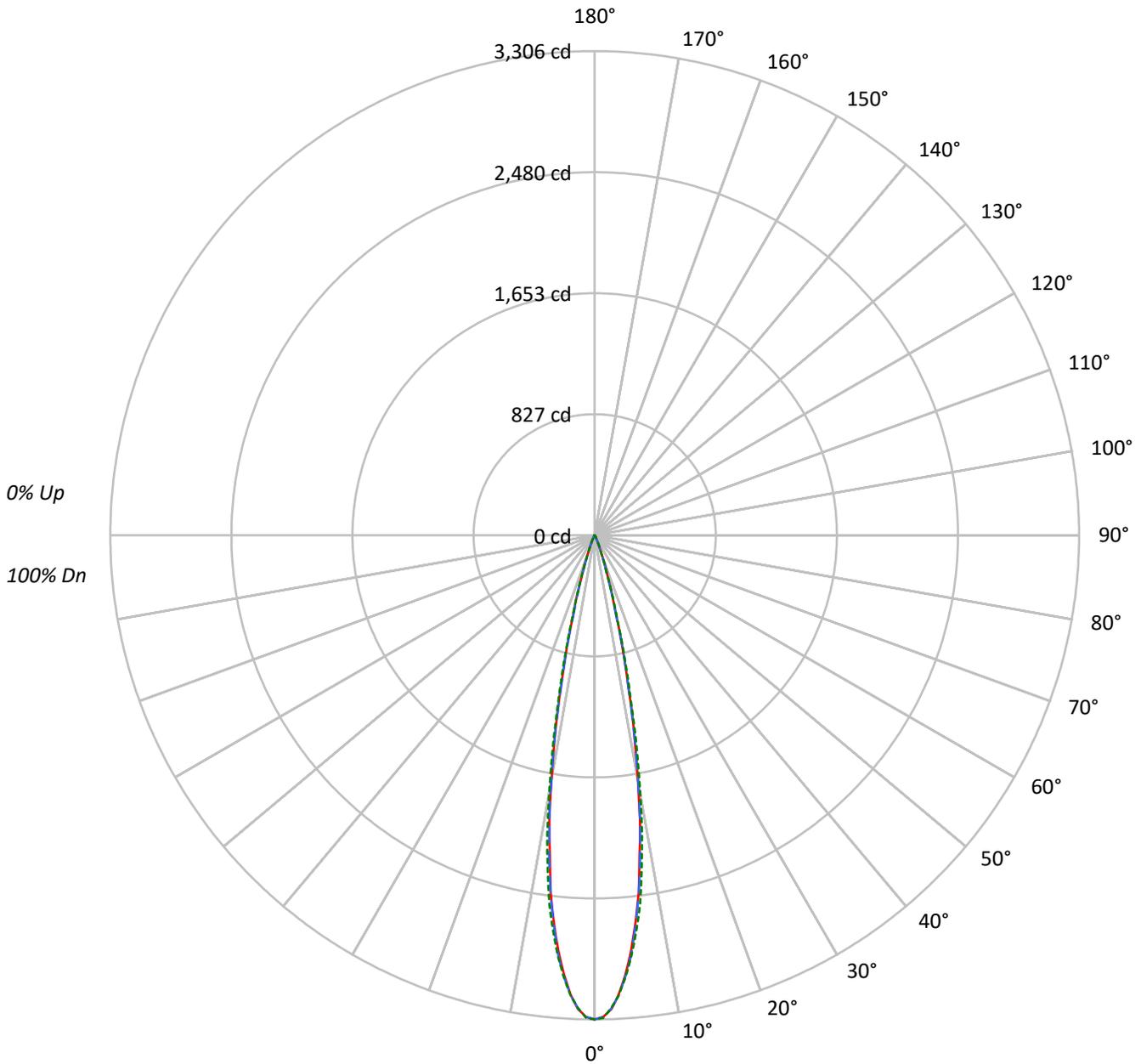
Test Method: LM-79-2019  
Report Number: P1324434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R20W2N902765DE010 3LSQPHR1MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 444.0 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 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									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	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	102	102	102	102	102	102	102	102	102	100																
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	100	100	100	100	100	100	100	100	100	98																
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	97	97	97	97	97	97	97	97	97	97	96																
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	95	95	95	95	95	95	95	95	95	95	94																
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	94	92	92	92	92	92	92	92	92	92	92	92	92	92	91																
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	92	92	92	92	92	92	92	92	92	92	91																
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	90	90	90	90	90	90	90	90	90	90	89																
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	89	89	89	89	89	89	89	89	89	89	89	89	89	87																
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	89	87	87	87	87	87	87	87	87	87	87	87	87	87	86																
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	86	86	86	86	86	86	86	86	86	86	86	86	86	85																
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	84	84	84	84	84	84	84	84	84	84	83																

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

	0°	45°	90°
0°	569316	569316	569316
5°	491828	496409	498259
10°	296071	298834	313716
15°	102414	100007	107977
20°	26905	25310	25365
25°	5872	7069	8038
30°	2526	2526	2605
35°	1409	1240	1325
40°	629	719	809
45°	195	292	292
50°	107	107	107
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 292 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.4	53.2
10°-20°	180.0	40.5
20°-30°	22.3	5.0
30°-40°	4.2	0.9
40°-50°	1.0	0.2
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	438.7	98.8
0°-40°	442.9	99.8
0°-60°	444.0	100.0
0°-90°	444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	444.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3306	3306	3306	3306	3306	
5°	2845	2843	2871	2869	2882	235
15°	574	554	561	594	606	180
25°	31	35	37	39	42	21
35°	7	7	6	6	6	4
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
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°	3305.7	3305.7	3305.7	3305.7	3305.7
1°	3290.3	3286.3	3289.5	3282.8	3296.6
2°	3237.7	3233.7	3233.7	3229.8	3231.7
3°	3139.6	3145.9	3141.9	3133.6	3144.3
4°	3005.9	3013.0	3019.3	3019.7	3021.3
5°	2844.9	2842.9	2871.4	2869.4	2882.1
6°	2661.3	2659.0	2671.2	2691.8	2717.1
7°	2459.6	2430.7	2463.6	2505.1	2539.1
8°	2198.5	2206.0	2228.6	2277.6	2304.9
9°	1977.0	1933.1	1981.0	2039.5	2069.2
10°	1693.0	1657.4	1708.8	1770.5	1793.9
12.5°	1065.6	1034.8	1051.4	1116.3	1126.6
15°	574.4	553.8	560.9	594.5	605.6
17.5°	293.1	274.5	270.6	291.9	294.3
20°	146.8	142.4	138.1	140.0	138.4
22.5°	68.0	74.0	73.2	69.2	74.0
25°	30.9	35.2	37.2	38.8	42.3
27.5°	19.0	18.2	21.0	22.5	22.9
30°	12.7	12.3	12.7	13.1	13.1
32.5°	9.1	8.7	8.3	8.3	8.7
35°	6.7	6.7	5.9	6.3	6.3
37.5°	4.7	4.7	4.4	4.7	4.7
40°	2.8	3.2	3.2	3.2	3.6
42.5°	1.6	2.0	2.0	2.0	2.0
45°	0.8	1.2	1.2	1.2	1.2
47.5°	0.4	0.4	0.4	0.8	0.8
50°	0.4	0.4	0.4	0.4	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)