

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: P1327651

Luminaire Tested: LDSQA3D13R20W2N902765DE010 3LSQPHR1MMS\_2700K

Issue Date: 1/29/2026

**Test Information**

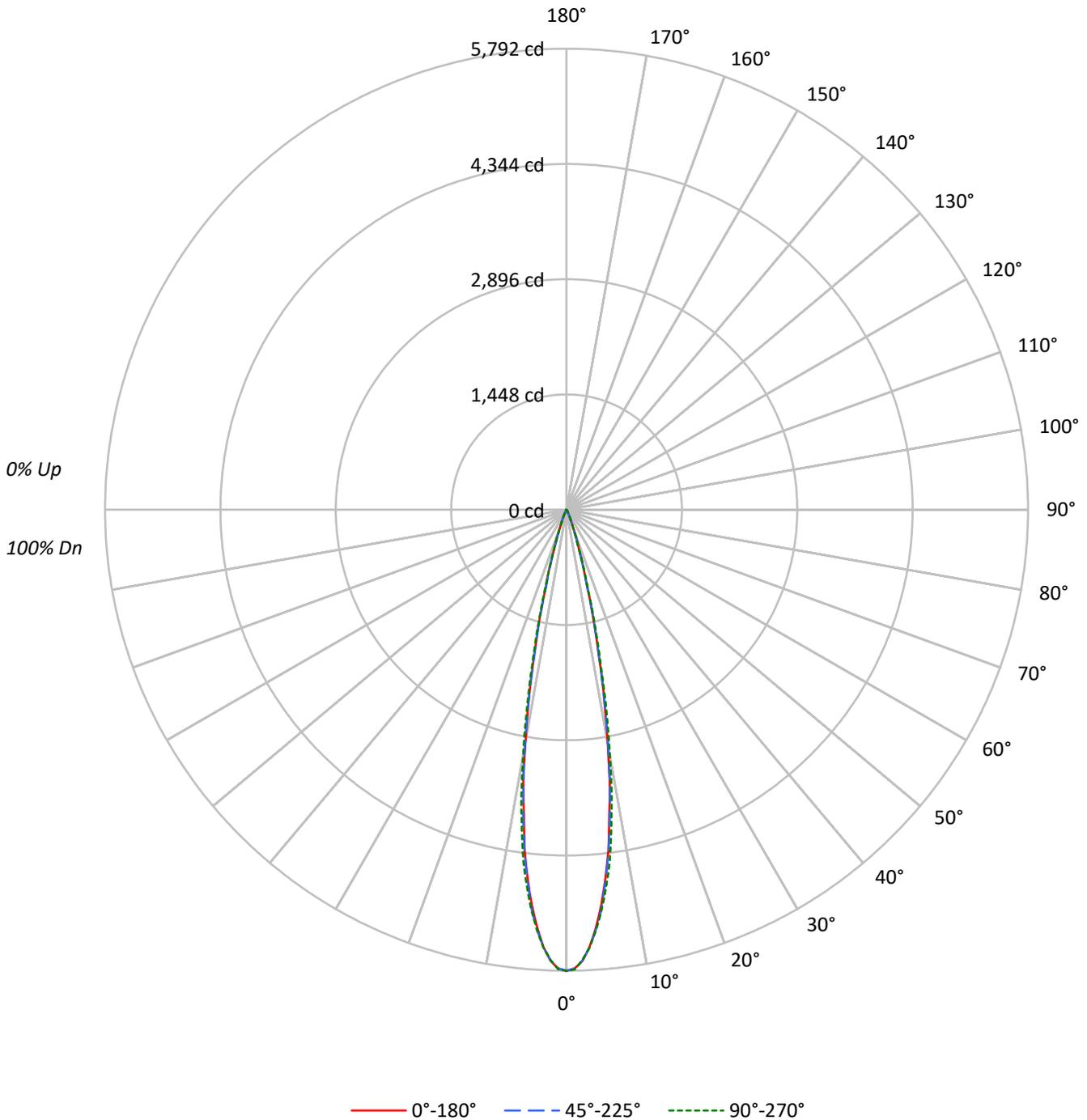
Test Method: LM-79-2019  
Report Number: P1327651  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R20W2N902765DE010 3LSQPHR1MMS\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,  
3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 778.0 lumens  
Efficiency: N/A  
Efficacy: 63.3 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): 12.3  
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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	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	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	95	93	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	91	88	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	89	87	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	88	86	83

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

	0°	45°	90°
0°	997582	997582	997582
5°	861792	869831	873064
10°	518797	523642	549699
15°	179439	175231	189210
20°	47120	44334	44463
25°	10280	12390	14100
30°	4415	4415	4554
35°	2481	2187	2334
40°	1102	1237	1394
45°	341	511	511
50°	188	188	188
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: 511 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	414.3	53.3
10°-20°	315.4	40.5
20°-30°	39.0	5.0
30°-40°	7.4	0.9
40°-50°	1.8	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°	768.7	98.8
0°-40°	776.1	99.8
0°-60°	778.0	100.0
0°-90°	778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	778.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5792	5792	5792	5792	5792	
5°	4985	4982	5031	5028	5050	411
15°	1006	970	983	1042	1061	315
25°	54	62	65	68	74	37
35°	12	12	10	11	11	8
45°	1	2	2	2	2	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°	5792.4	5792.4	5792.4	5792.4	5792.4
1°	5765.4	5758.5	5764.0	5752.2	5776.5
2°	5673.2	5666.3	5666.3	5659.4	5662.8
3°	5501.3	5512.4	5505.5	5490.9	5509.6
4°	5267.1	5279.5	5290.6	5291.3	5294.1
5°	4984.9	4981.5	5031.4	5027.9	5050.1
6°	4663.3	4659.2	4680.7	4716.7	4761.1
7°	4309.8	4259.2	4316.8	4389.6	4449.2
8°	3852.4	3865.6	3905.1	3991.0	4038.8
9°	3464.2	3387.3	3471.2	3573.7	3625.7
10°	2966.6	2904.2	2994.3	3102.4	3143.3
12.5°	1867.3	1813.2	1842.3	1956.0	1974.0
15°	1006.4	970.4	982.8	1041.8	1061.2
17.5°	513.6	481.0	474.1	511.5	515.7
20°	257.1	249.5	241.9	245.4	242.6
22.5°	119.2	129.6	128.2	121.3	129.6
25°	54.1	61.7	65.2	67.9	74.2
27.5°	33.3	31.9	36.7	39.5	40.2
30°	22.2	21.5	22.2	22.9	22.9
32.5°	15.9	15.2	14.6	14.6	15.2
35°	11.8	11.8	10.4	11.1	11.1
37.5°	8.3	8.3	7.6	8.3	8.3
40°	4.9	5.5	5.5	5.5	6.2
42.5°	2.8	3.5	3.5	3.5	3.5
45°	1.4	2.1	2.1	2.1	2.1
47.5°	0.7	0.7	0.7	1.4	1.4
50°	0.7	0.7	0.7	0.7	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
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)