

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: P1312913

Luminaire Tested: LDSQA3D20R509050D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312913  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R509050D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

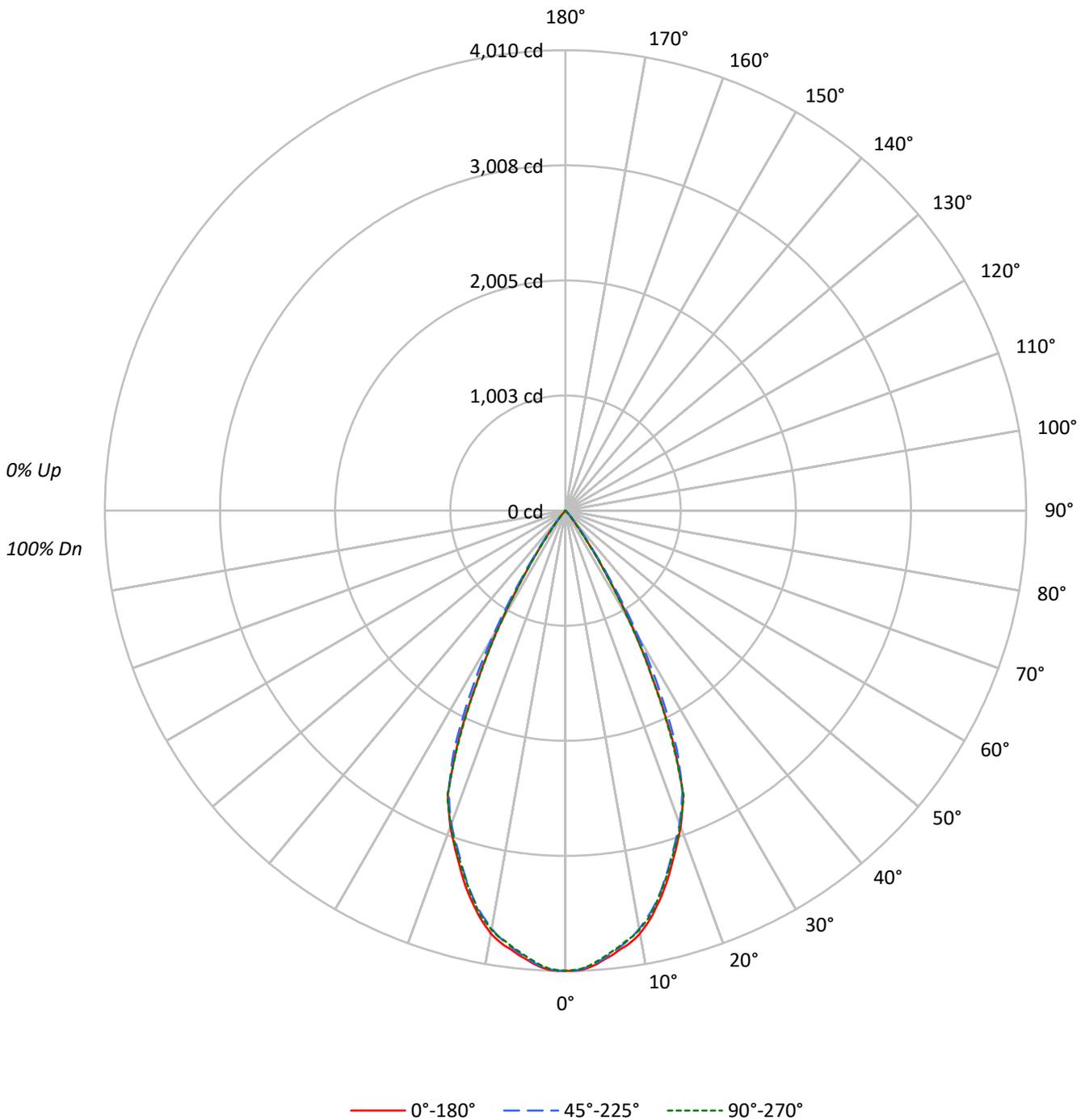
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2581.0 lumens  
Efficiency: N/A  
Efficacy: 89.6 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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				
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	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	690286	690286	690286
5°	678228	676326	674407
10°	654119	647019	648296
15°	601720	594160	595801
20°	537309	532232	535293
25°	418192	435731	413631
30°	226528	252957	222491
35°	71420	85002	69864
40°	15782	21987	14951
45°	438	6747	438
50°	0	991	0
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: 45°  
 Vertical Angle: 45°  
 Luminance: 6747 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	367.2	14.2
10°-20°	933.0	36.1
20°-30°	982.7	38.1
30°-40°	280.6	10.9
40°-50°	17.4	0.7
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°	2282.9	88.4
0°-40°	2563.5	99.3
0°-60°	2581.0	100.0
0°-90°	2581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2581.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4008	4008	4008	4008	4008	
5°	3923	3920	3912	3908	3901	369
15°	3375	3353	3332	3338	3342	940
25°	2201	2282	2293	2267	2177	963
35°	340	364	404	343	332	265
45°	2	9	28	9	2	11
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°	4008.1	4008.1	4008.1	4008.1	4008.1
1°	4009.9	4011.8	4008.1	4011.8	4002.5
2°	4004.4	4000.7	3997.0	3998.8	3993.3
3°	3984.1	3982.2	3974.8	3976.7	3969.3
4°	3958.2	3952.7	3947.1	3943.5	3936.1
5°	3923.1	3919.5	3912.1	3908.4	3901.0
6°	3893.6	3886.2	3873.3	3869.6	3862.2
7°	3854.8	3851.1	3834.5	3830.8	3827.1
8°	3825.3	3814.2	3793.9	3795.8	3786.5
9°	3786.5	3771.8	3751.4	3751.4	3753.3
10°	3740.4	3718.2	3699.8	3705.3	3707.1
11°	3679.4	3664.7	3637.0	3649.9	3649.9
12°	3613.0	3594.5	3574.2	3585.3	3592.7
13°	3535.4	3520.7	3502.2	3513.3	3509.6
14°	3459.8	3432.1	3419.1	3433.9	3428.4
15°	3374.8	3352.7	3332.4	3337.9	3341.6
17.5°	3147.7	3123.7	3109.0	3110.8	3127.4
20°	2931.7	2922.5	2904.0	2911.4	2920.7
22.5°	2677.0	2680.7	2658.5	2664.0	2686.2
25°	2200.7	2281.9	2293.0	2267.1	2176.7
27.5°	1630.2	1752.0	1789.0	1729.9	1619.1
30°	1139.1	1172.3	1272.0	1159.4	1118.8
32.5°	668.3	718.2	771.7	694.2	666.5
35°	339.7	363.7	404.3	343.4	332.3
37.5°	156.9	168.0	184.6	156.9	147.7
40°	70.2	83.1	97.8	79.4	66.5
42.5°	22.2	38.8	51.7	35.1	20.3
45°	1.8	9.2	27.7	9.2	1.8
47.5°	0.0	1.8	11.1	1.8	0.0
50°	0.0	0.0	3.7	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



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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)