

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: P1311846

Luminaire Tested: LDSQA3D20R559040D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311846  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R559040D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

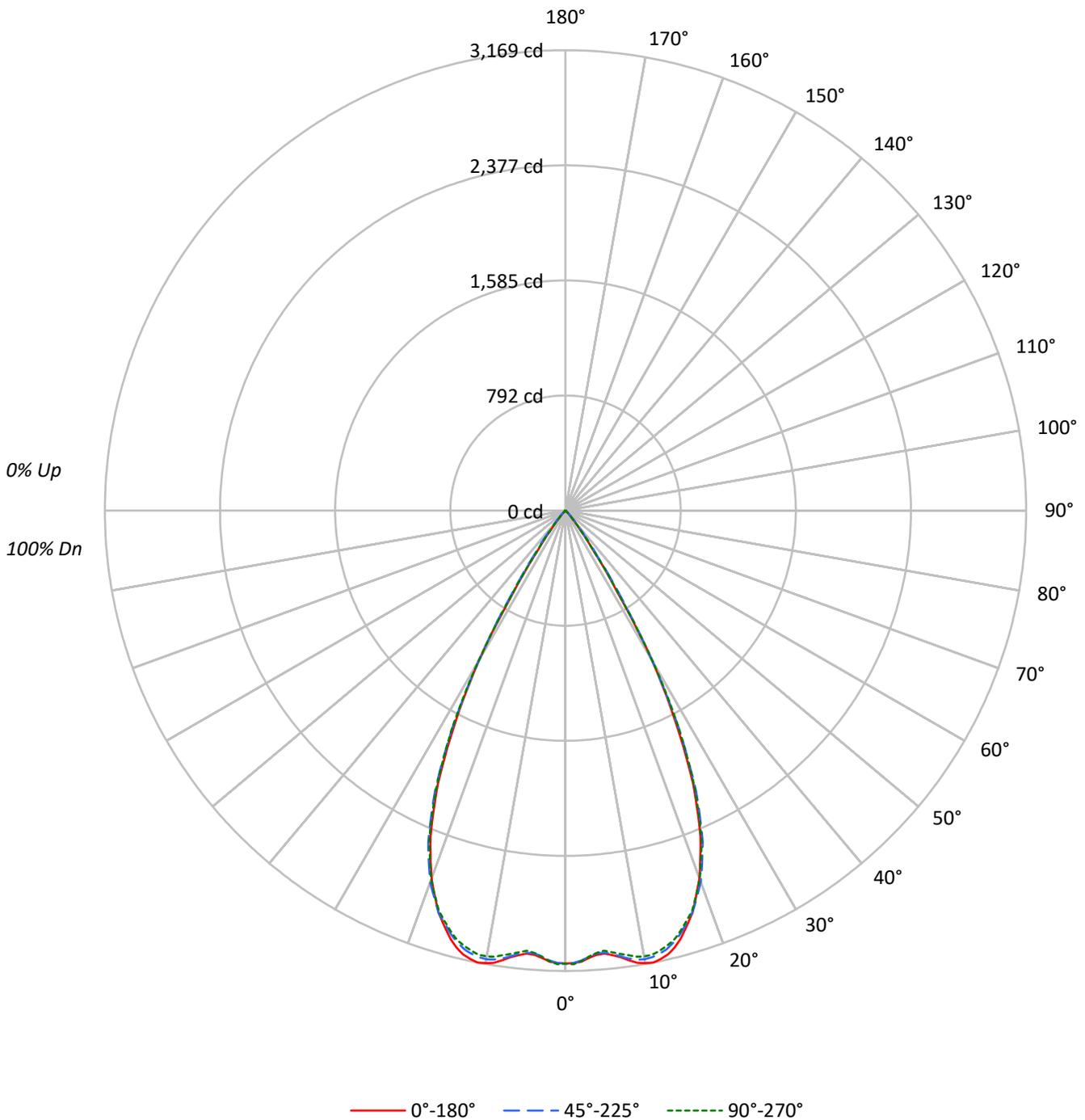
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2391.0 lumens  
Efficiency: N/A  
Efficacy: 83.0 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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 (A<sub>in</sub>): 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	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	536973	536973	536973
5°	529291	528340	525833
10°	553214	548439	544942
15°	544576	539708	537444
20°	493799	498803	495137
25°	394875	403161	399360
30°	236809	236809	239713
35°	68414	81028	70705
40°	19627	26574	19627
45°	4433	10181	4433
50°	1956	3403	1474
55°	1651	1651	1651
60°	1894	1894	1894
65°	1467	1467	1467
70°	1813	1813	1813
75°	1198	1198	1198
80°	1785	1785	1785
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 10181 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.6	12.4
10°-20°	842.6	35.2
20°-30°	928.3	38.8
30°-40°	284.0	11.9
40°-50°	28.1	1.2
50°-60°	5.2	0.2
60°-70°	4.1	0.2
70°-80°	2.3	0.1
80°-90°	0.7	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°	2066.6	86.4
0°-40°	2350.5	98.3
0°-60°	2383.9	99.7
0°-90°	2391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2391.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3118	3118	3118	3118	3118	
5°	3062	3062	3056	3047	3042	297
15°	3054	3049	3027	3014	3014	846
25°	2078	2098	2122	2142	2102	916
35°	325	342	385	354	336	267
45°	18	27	42	27	18	21
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3117.9	3117.9	3117.9	3117.9	3117.9
1°	3114.3	3116.1	3114.3	3110.7	3123.4
2°	3107.0	3105.2	3099.7	3097.9	3103.4
3°	3083.4	3083.4	3076.1	3072.5	3074.3
4°	3065.2	3065.2	3054.3	3050.7	3052.5
5°	3061.6	3061.6	3056.1	3047.0	3041.6
6°	3076.1	3079.7	3067.0	3057.9	3057.9
7°	3097.9	3099.7	3090.7	3077.9	3074.3
8°	3125.2	3127.0	3112.5	3097.9	3090.7
9°	3152.5	3148.8	3128.8	3114.3	3108.8
10°	3163.4	3161.6	3136.1	3121.6	3116.1
11°	3168.8	3159.7	3130.7	3117.9	3116.1
12°	3156.1	3148.8	3117.9	3105.2	3099.7
13°	3134.3	3123.4	3097.9	3085.2	3077.9
14°	3099.7	3088.8	3065.2	3050.7	3052.5
15°	3054.3	3048.8	3027.0	3014.3	3014.3
17.5°	2903.4	2907.0	2901.6	2896.1	2892.5
20°	2694.3	2708.9	2721.6	2714.3	2701.6
22.5°	2427.1	2452.5	2467.1	2470.7	2447.1
25°	2078.0	2098.0	2121.6	2141.6	2101.6
27.5°	1643.5	1661.7	1683.5	1696.2	1690.8
30°	1190.8	1192.6	1190.8	1214.4	1205.4
32.5°	661.8	716.3	725.4	741.8	683.6
35°	325.4	341.8	385.4	354.5	336.3
37.5°	156.4	167.3	209.1	170.9	163.6
40°	87.3	94.5	118.2	98.2	87.3
42.5°	41.8	54.5	63.6	56.4	41.8
45°	18.2	27.3	41.8	27.3	18.2
47.5°	7.3	10.9	25.5	10.9	7.3
50°	7.3	5.5	12.7	5.5	5.5
52.5°	5.5	5.5	7.3	5.5	5.5
55°	5.5	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5	5.5
60°	5.5	5.5	5.5	5.5	5.5
62.5°	3.6	5.5	5.5	5.5	3.6
65°	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	3.6	3.6	3.6	3.6	3.6
72.5°	1.8	3.6	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8
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)