

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: P1317599

Luminaire Tested: LDSQA3D17R209827DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317599  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R209827DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

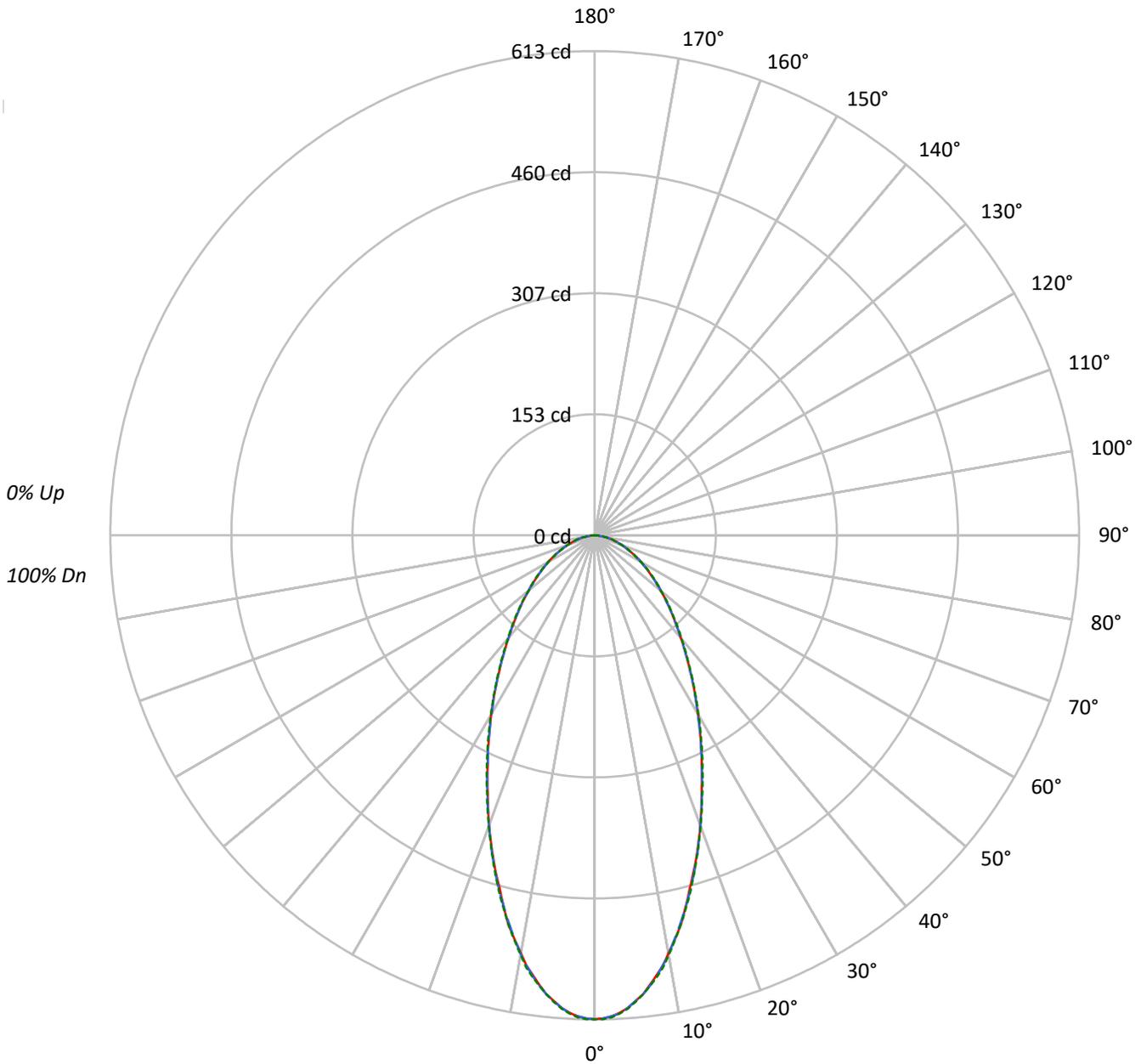
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 733.0 lumens  
Efficiency: N/A  
Efficacy: 35.9 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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



— 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

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

	0°	45°	90°
0°	105538	105538	105538
5°	102345	102345	102535
10°	93963	94155	94347
15°	82730	83123	83319
20°	71606	71606	71807
25°	60923	60923	61341
30°	52003	51785	52222
35°	44404	44404	44635
40°	38130	38130	38377
45°	33319	33319	33587
50°	29312	29312	29312
55°	25973	25973	26273
60°	23353	23353	23353
65°	20946	20946	20946
70°	18732	18732	18732
75°	16769	16037	16769
80°	14083	14083	14083
85°	8695	8695	10868

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 33587 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.8	7.5
10°-20°	129.8	17.7
20°-30°	147.7	20.2
30°-40°	132.7	18.1
40°-50°	106.3	14.5
50°-60°	78.1	10.7
60°-70°	51.1	7.0
70°-80°	26.5	3.6
80°-90°	6.1	0.8
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°	332.3	45.3
0°-40°	464.9	63.4
0°-60°	649.3	88.6
0°-90°	733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	733.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	613	613	613	613	613	
5°	592	592	592	592	593	55
15°	464	464	466	466	467	130
25°	321	321	321	322	323	148
35°	211	211	211	211	212	133
45°	137	137	137	137	138	106
55°	86	86	86	86	88	78
65°	51	50	51	51	51	51
75°	25	24	24	25	25	27
85°	4	4	4	6	6	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	612.8	612.8	612.8	612.8	612.8
1°	611.7	610.6	611.7	611.7	612.8
2°	609.5	609.5	609.5	608.4	610.6
3°	605.2	605.2	606.3	605.2	606.3
4°	599.7	599.7	599.7	598.6	600.8
5°	592.0	592.0	592.0	592.0	593.1
6°	584.4	583.3	584.4	583.3	584.4
7°	573.4	573.4	574.5	573.4	574.5
8°	562.5	561.4	563.6	562.5	564.7
9°	551.5	550.4	551.5	550.4	553.7
10°	537.3	538.4	538.4	538.4	539.5
12.5°	504.5	502.3	502.3	502.3	504.5
15°	464.0	464.0	466.2	466.2	467.3
17.5°	427.9	426.8	429.0	429.0	429.0
20°	390.7	389.6	390.7	390.7	391.8
22.5°	353.5	354.6	354.6	354.6	355.7
25°	320.6	320.6	320.6	321.7	322.8
27.5°	290.0	288.9	290.0	291.1	292.2
30°	261.5	260.4	260.4	261.5	262.6
32.5°	235.3	234.2	235.3	235.3	236.4
35°	211.2	211.2	211.2	211.2	212.3
37.5°	189.3	189.3	189.3	190.4	190.4
40°	169.6	169.6	169.6	170.7	170.7
42.5°	152.1	152.1	152.1	153.2	154.3
45°	136.8	136.8	136.8	136.8	137.9
47.5°	122.6	122.6	122.6	123.7	123.7
50°	109.4	108.3	109.4	110.5	109.4
52.5°	97.4	97.4	97.4	97.4	98.5
55°	86.5	86.5	86.5	86.5	87.5
57.5°	76.6	76.6	76.6	77.7	77.7
60°	67.8	67.8	67.8	67.8	67.8
62.5°	59.1	59.1	59.1	59.1	59.1
65°	51.4	50.3	51.4	51.4	51.4
67.5°	43.8	43.8	43.8	43.8	43.8
70°	37.2	37.2	37.2	37.2	37.2
72.5°	30.6	30.6	30.6	30.6	30.6
75°	25.2	24.1	24.1	25.2	25.2
77.5°	19.7	18.6	19.7	19.7	19.7
80°	14.2	14.2	14.2	14.2	14.2
82.5°	8.8	8.8	8.8	9.8	9.8
85°	4.4	4.4	4.4	5.5	5.5
87.5°	1.1	1.1	1.1	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)