

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: P1317779

Luminaire Tested: LDSQA3D20R309827D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

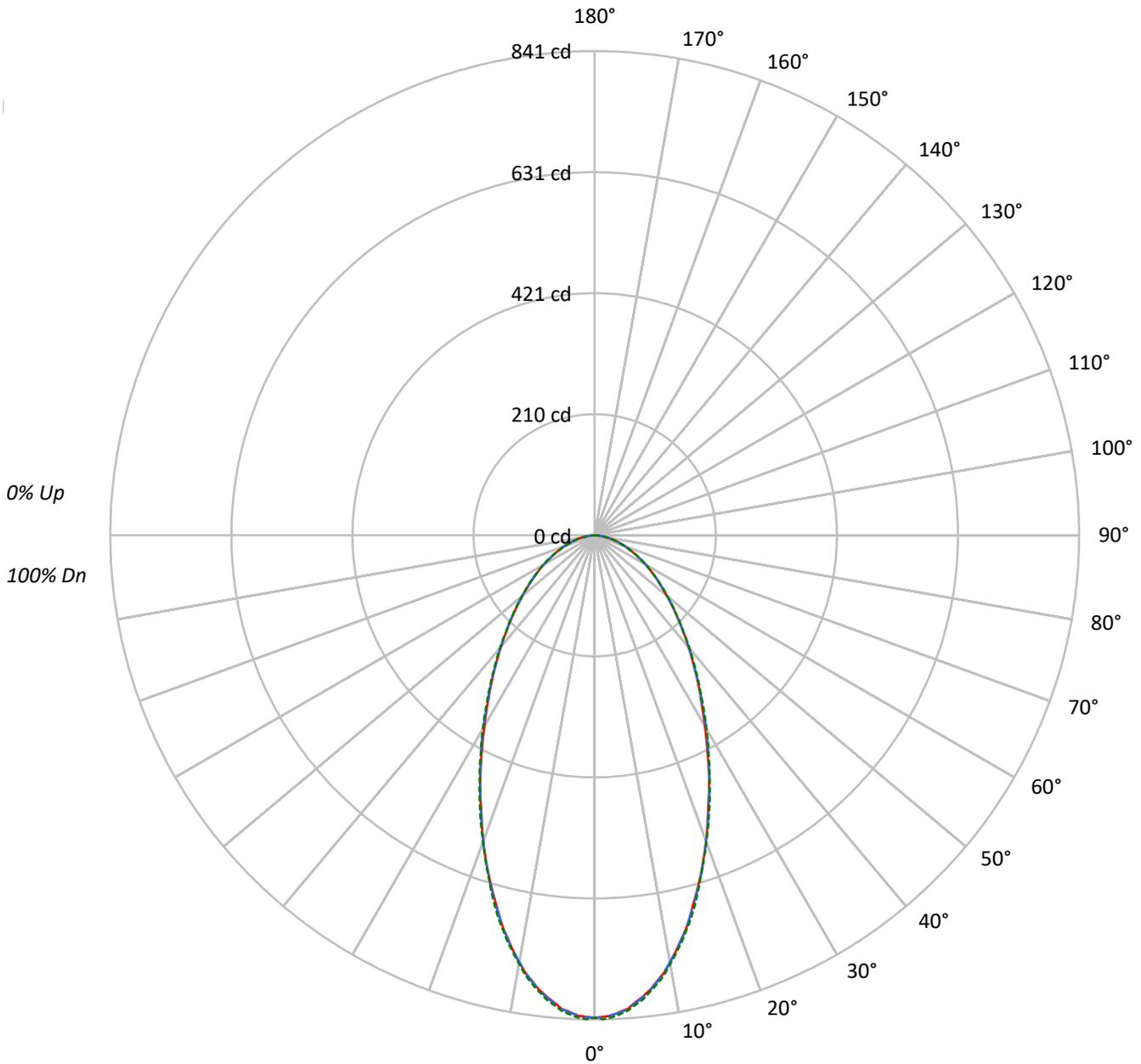
Test Method: LM-79-2019  
Report Number: P1317779  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R309827D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1076.0 lumens  
Efficiency: N/A  
Efficacy: 39.3 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.4  
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	35

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

	0°	45°	90°
0°	144323	144323	144323
5°	140759	141001	141520
10°	131702	131702	132226
15°	118087	118354	119157
20°	103661	103661	103936
25°	89370	89370	89940
30°	76066	76961	77259
35°	65723	66038	66332
40°	56880	57217	57554
45°	49662	50027	50027
50°	43860	43860	44262
55°	39334	39334	39334
60°	35375	35375	35375
65°	31542	31542	31542
70°	28501	28501	28501
75°	25752	24754	24754
80°	22117	20629	20629
85°	14623	14623	14623

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 50027 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.9	7.1
10°-20°	185.0	17.2
20°-30°	216.1	20.1
30°-40°	196.6	18.3
40°-50°	158.8	14.8
50°-60°	117.3	10.9
60°-70°	77.2	7.2
70°-80°	39.9	3.7
80°-90°	9.1	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°	477.0	44.3
0°-40°	673.6	62.6
0°-60°	949.8	88.3
0°-90°	1076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1076.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	838	838	838	838	838	
5°	814	814	816	816	819	76
15°	662	664	664	664	668	185
25°	470	469	470	470	473	215
35°	313	311	314	314	316	196
45°	204	205	205	205	205	158
55°	131	130	131	130	131	118
65°	77	77	77	77	77	77
75°	39	37	37	37	37	41
85°	7	7	7	7	7	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	838.0	838.0	838.0	838.0	838.0
1°	836.5	836.5	838.0	836.5	840.9
2°	835.0	833.5	833.5	833.5	838.0
3°	829.0	829.0	830.5	829.0	833.5
4°	824.6	823.1	824.6	823.1	827.6
5°	814.2	814.2	815.6	815.6	818.6
6°	805.2	805.2	806.7	805.2	809.7
7°	794.8	794.8	794.8	794.8	797.8
8°	781.4	781.4	782.9	782.9	785.9
9°	769.5	768.0	768.0	768.0	772.5
10°	753.1	753.1	753.1	753.1	756.1
11°	736.8	736.8	736.8	736.8	739.7
12°	718.9	718.9	720.4	718.9	723.4
13°	702.5	702.5	702.5	702.5	705.5
14°	683.2	681.7	683.2	683.2	687.6
15°	662.3	663.8	663.8	663.8	668.3
17.5°	614.7	614.7	616.2	613.2	616.2
20°	565.6	564.1	565.6	565.6	567.1
22.5°	515.0	516.5	516.5	516.5	519.5
25°	470.3	468.8	470.3	470.3	473.3
27.5°	424.2	425.7	427.2	425.7	428.7
30°	382.5	385.5	387.0	384.0	388.5
32.5°	345.3	345.3	346.8	348.3	349.8
35°	312.6	311.1	314.1	314.1	315.5
37.5°	281.3	281.3	281.3	282.8	284.3
40°	253.0	253.0	254.5	254.5	256.0
42.5°	227.7	226.2	227.7	227.7	227.7
45°	203.9	205.4	205.4	205.4	205.4
47.5°	183.1	183.1	184.6	183.1	184.6
50°	163.7	163.7	163.7	163.7	165.2
52.5°	145.9	145.9	145.9	145.9	147.4
55°	131.0	129.5	131.0	129.5	131.0
57.5°	116.1	116.1	116.1	116.1	116.1
60°	102.7	101.2	102.7	101.2	102.7
62.5°	89.3	89.3	89.3	89.3	89.3
65°	77.4	77.4	77.4	77.4	77.4
67.5°	67.0	67.0	67.0	65.5	65.5
70°	56.6	56.6	56.6	56.6	56.6
72.5°	47.6	46.1	46.1	46.1	46.1
75°	38.7	37.2	37.2	37.2	37.2
77.5°	29.8	29.8	28.3	28.3	29.8
80°	22.3	20.8	20.8	20.8	20.8
82.5°	13.4	13.4	13.4	13.4	13.4
85°	7.4	7.4	7.4	7.4	7.4
87.5°	1.5	1.5	1.5	3.0	3.0



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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)