

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: P1308584

Luminaire Tested: LDSQA3D24R309027D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

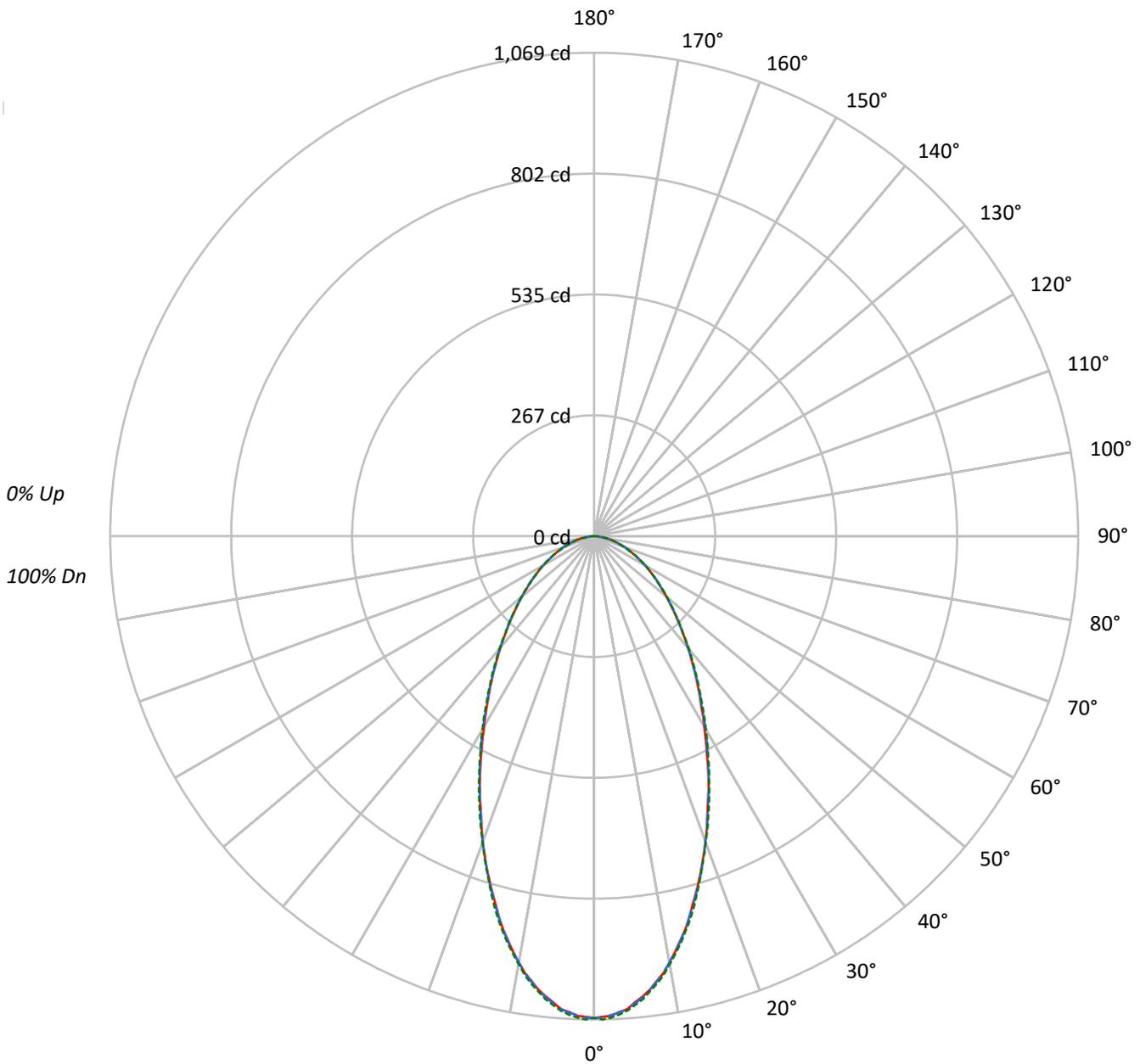
Test Method: LM-79-2019  
Report Number: P1308584  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R309027D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1368.0 lumens  
Efficiency: N/A  
Efficacy: 47.5 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): 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



— 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	100	
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	77	
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	68	
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	60	
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	54	
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	49	
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	45	
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	35	

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

	0°	45°	90°
0°	183486	183486	183486
5°	178949	179277	179934
10°	167447	167447	168112
15°	150145	150484	151500
20°	131793	131793	132142
25°	113636	113636	114358
30°	96708	97842	98220
35°	83551	83951	84350
40°	72325	72752	73179
45°	63131	63593	63593
50°	55783	55783	56265
55°	49993	49993	49993
60°	44985	44985	44985
65°	40099	40099	40099
70°	36205	36205	36205
75°	32739	31474	31474
80°	28167	26282	26282
85°	18772	18772	18772

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 63593 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.5	7.1
10°-20°	235.2	17.2
20°-30°	274.8	20.1
30°-40°	250.0	18.3
40°-50°	201.9	14.8
50°-60°	149.1	10.9
60°-70°	98.2	7.2
70°-80°	50.8	3.7
80°-90°	11.6	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°	606.4	44.3
0°-40°	856.4	62.6
0°-60°	1207.5	88.3
0°-90°	1368.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1368.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1065	1065	1065	1065	1065	
5°	1035	1035	1037	1037	1041	96
15°	842	844	844	844	850	235
25°	598	596	598	598	602	274
35°	397	396	399	399	401	249
45°	259	261	261	261	261	201
55°	166	165	166	165	166	149
65°	98	98	98	98	98	98
75°	49	47	47	47	47	52
85°	10	10	10	10	10	12
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1065.4	1065.4	1065.4	1065.4	1065.4
1°	1063.5	1063.5	1065.4	1063.5	1069.2
2°	1061.6	1059.7	1059.7	1059.7	1065.4
3°	1054.0	1054.0	1055.9	1054.0	1059.7
4°	1048.3	1046.5	1048.3	1046.5	1052.1
5°	1035.1	1035.1	1037.0	1037.0	1040.8
6°	1023.7	1023.7	1025.6	1023.7	1029.4
7°	1010.5	1010.5	1010.5	1010.5	1014.3
8°	993.5	993.5	995.4	995.4	999.1
9°	978.3	976.4	976.4	976.4	982.1
10°	957.5	957.5	957.5	957.5	961.3
11°	936.7	936.7	936.7	936.7	940.5
12°	914.0	914.0	915.9	914.0	919.7
13°	893.2	893.2	893.2	893.2	897.0
14°	868.6	866.7	868.6	868.6	874.3
15°	842.1	844.0	844.0	844.0	849.7
17.5°	781.5	781.5	783.4	779.6	783.4
20°	719.1	717.2	719.1	719.1	721.0
22.5°	654.7	656.6	656.6	656.6	660.4
25°	598.0	596.1	598.0	598.0	601.8
27.5°	539.3	541.2	543.1	541.2	545.0
30°	486.3	490.1	492.0	488.2	493.9
32.5°	439.0	439.0	440.9	442.8	444.7
35°	397.4	395.5	399.3	399.3	401.2
37.5°	357.6	357.6	357.6	359.5	361.4
40°	321.7	321.7	323.6	323.6	325.5
42.5°	289.5	287.6	289.5	289.5	289.5
45°	259.2	261.1	261.1	261.1	261.1
47.5°	232.8	232.8	234.6	232.8	234.6
50°	208.2	208.2	208.2	208.2	210.0
52.5°	185.4	185.4	185.4	185.4	187.3
55°	166.5	164.6	166.5	164.6	166.5
57.5°	147.6	147.6	147.6	147.6	147.6
60°	130.6	128.7	130.6	128.7	130.6
62.5°	113.5	113.5	113.5	113.5	113.5
65°	98.4	98.4	98.4	98.4	98.4
67.5°	85.2	85.2	85.2	83.3	83.3
70°	71.9	71.9	71.9	71.9	71.9
72.5°	60.6	58.7	58.7	58.7	58.7
75°	49.2	47.3	47.3	47.3	47.3
77.5°	37.8	37.8	36.0	36.0	37.8
80°	28.4	26.5	26.5	26.5	26.5
82.5°	17.0	17.0	17.0	17.0	17.0
85°	9.5	9.5	9.5	9.5	9.5
87.5°	1.9	1.9	1.9	3.8	3.8



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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)