

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: P1310337

Luminaire Tested: LDSQA3D13R209035DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310337  
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: LDSQA3D13R209035DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

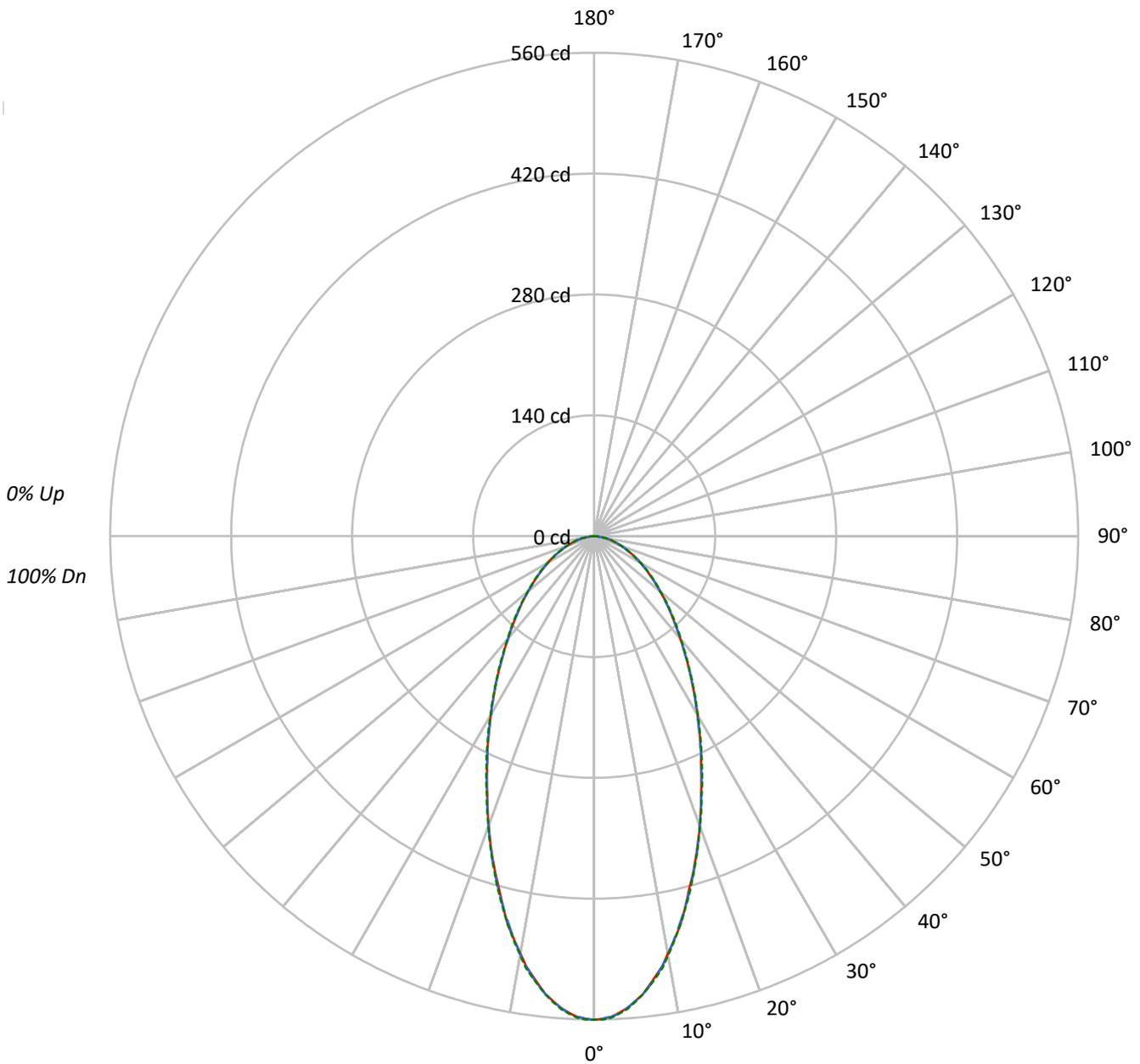
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 669.9 lumens  
Efficiency: N/A  
Efficacy: 45.9 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): 14.6  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77	77	77	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68	68	68	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61	61	61	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55	55	55	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50	50	50	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	46	46	46	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42	42	42	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39	39	39	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36	36	36	36

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

	0°	45°	90°
0°	96479	96479	96479
5°	93546	93546	93719
10°	85883	86058	86233
15°	75616	75973	76151
20°	65448	65448	65631
25°	55697	55697	56077
30°	47549	47350	47748
35°	40598	40598	40809
40°	34847	34847	35072
45°	30445	30445	30689
50°	26793	26793	26793
55°	23721	23721	24021
60°	21356	21356	21356
65°	19153	19153	19153
70°	17121	17121	17121
75°	15305	14639	15305
80°	12893	12893	12893
85°	7904	7904	9880

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 30689 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.1	7.5
10°-20°	118.6	17.7
20°-30°	135.1	20.2
30°-40°	121.3	18.1
40°-50°	97.1	14.5
50°-60°	71.4	10.7
60°-70°	46.7	7.0
70°-80°	24.2	3.6
80°-90°	5.6	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°	303.7	45.3
0°-40°	425.0	63.4
0°-60°	593.5	88.6
0°-90°	669.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	669.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	560	560	560	560	560	
5°	541	541	541	541	542	50
15°	424	424	426	426	427	119
25°	293	293	293	294	295	135
35°	193	193	193	193	194	121
45°	125	125	125	125	126	97
55°	79	79	79	79	80	71
65°	47	46	47	47	47	47
75°	23	22	22	23	23	24
85°	4	4	4	5	5	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	560.2	560.2	560.2	560.2	560.2
1°	559.2	558.2	559.2	559.2	560.2
2°	557.2	557.2	557.2	556.1	558.2
3°	553.1	553.1	554.1	553.1	554.1
4°	548.1	548.1	548.1	547.1	549.1
5°	541.1	541.1	541.1	541.1	542.1
6°	534.1	533.1	534.1	533.1	534.1
7°	524.1	524.1	525.1	524.1	525.1
8°	514.1	513.1	515.1	514.1	516.1
9°	504.1	503.1	504.1	503.1	506.1
10°	491.1	492.1	492.1	492.1	493.1
12.5°	461.1	459.1	459.1	459.1	461.1
15°	424.1	424.1	426.1	426.1	427.1
17.5°	391.1	390.1	392.1	392.1	392.1
20°	357.1	356.1	357.1	357.1	358.1
22.5°	323.1	324.1	324.1	324.1	325.1
25°	293.1	293.1	293.1	294.1	295.1
27.5°	265.1	264.1	265.1	266.1	267.1
30°	239.1	238.1	238.1	239.1	240.1
32.5°	215.1	214.1	215.1	215.1	216.1
35°	193.1	193.1	193.1	193.1	194.1
37.5°	173.0	173.0	173.0	174.0	174.0
40°	155.0	155.0	155.0	156.0	156.0
42.5°	139.0	139.0	139.0	140.0	141.0
45°	125.0	125.0	125.0	125.0	126.0
47.5°	112.0	112.0	112.0	113.0	113.0
50°	100.0	99.0	100.0	101.0	100.0
52.5°	89.0	89.0	89.0	89.0	90.0
55°	79.0	79.0	79.0	79.0	80.0
57.5°	70.0	70.0	70.0	71.0	71.0
60°	62.0	62.0	62.0	62.0	62.0
62.5°	54.0	54.0	54.0	54.0	54.0
65°	47.0	46.0	47.0	47.0	47.0
67.5°	40.0	40.0	40.0	40.0	40.0
70°	34.0	34.0	34.0	34.0	34.0
72.5°	28.0	28.0	28.0	28.0	28.0
75°	23.0	22.0	22.0	23.0	23.0
77.5°	18.0	17.0	18.0	18.0	18.0
80°	13.0	13.0	13.0	13.0	13.0
82.5°	8.0	8.0	8.0	9.0	9.0
85°	4.0	4.0	4.0	5.0	5.0
87.5°	1.0	1.0	1.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)