

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: P1308727

Luminaire Tested: LDSQA3D02R209030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308727  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R209030DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

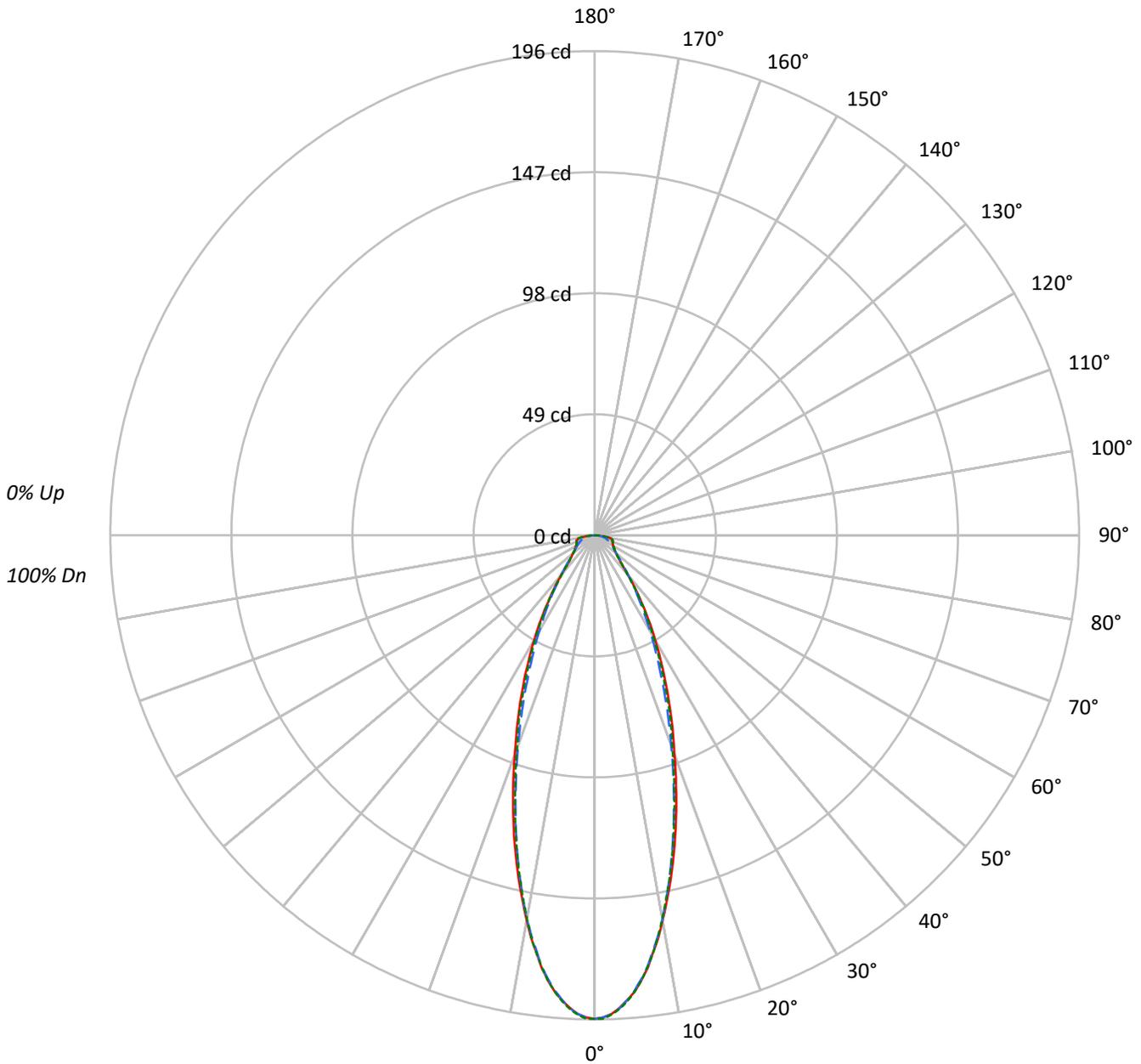
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 138.0 lumens  
Efficiency: N/A  
Efficacy: 38.3 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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				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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	83	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

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

	0°	45°	90°
0°	33704	33704	33704
5°	32069	31983	32069
10°	27683	27596	27561
15°	22466	21948	22038
20°	17301	16550	16861
25°	13150	12181	12789
30°	9744	8889	9466
35°	6896	6433	6791
40°	4744	4744	4631
45°	3483	3678	3483
50°	3054	3054	3054
55°	2913	2852	2913
60°	2997	2756	2997
65°	3260	2771	3260
70°	3928	2820	3928
75°	4991	3061	4991
80°	6248	3174	6050
85°	4742	2964	5335

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 6248 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.8	12.2
10°-20°	34.3	24.8
20°-30°	30.6	22.2
30°-40°	20.1	14.5
40°-50°	11.7	8.5
50°-60°	8.7	6.3
60°-70°	7.3	5.3
70°-80°	6.1	4.4
80°-90°	2.5	1.8
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
<b>0°-30°</b>	<b>81.7</b>	<b>59.2</b>
<b>0°-40°</b>	<b>101.8</b>	<b>73.7</b>
<b>0°-60°</b>	<b>122.1</b>	<b>88.5</b>
<b>0°-90°</b>	<b>138.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>138.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	196	196	196	196	196	
5°	186	185	185	185	186	17
15°	126	125	123	123	124	35
25°	69	67	64	66	67	32
35°	33	32	31	32	32	21
45°	14	15	15	15	14	12
55°	10	10	10	10	10	9
65°	8	7	7	7	8	8
75°	8	6	5	6	8	8
85°	2	3	2	3	3	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	195.7	195.7	195.7	195.7	195.7
1°	195.2	195.4	195.2	195.4	195.7
2°	194.0	194.2	194.0	194.0	194.2
3°	191.6	191.8	191.8	191.8	192.0
4°	188.6	188.9	188.6	188.9	189.1
5°	185.5	185.2	185.0	185.2	185.5
6°	181.1	180.9	180.6	180.9	181.1
7°	176.3	176.0	175.8	175.8	176.0
8°	170.2	170.4	169.7	170.2	170.4
9°	164.8	164.4	163.9	163.9	164.4
10°	158.3	157.8	157.8	157.6	157.6
12.5°	142.3	141.3	140.6	140.6	140.8
15°	126.0	124.8	123.1	123.3	123.6
17.5°	109.7	108.3	106.1	106.6	107.1
20°	94.4	93.0	90.3	91.3	92.0
22.5°	81.3	79.1	76.7	77.4	79.9
25°	69.2	67.3	64.1	65.8	67.3
27.5°	58.5	56.3	53.7	55.4	56.8
30°	49.0	47.1	44.7	46.1	47.6
32.5°	40.5	38.8	37.1	38.1	39.3
35°	32.8	31.8	30.6	31.6	32.3
37.5°	26.5	26.0	25.5	26.0	25.7
40°	21.1	21.4	21.1	21.1	20.6
42.5°	16.8	17.5	17.7	17.2	16.8
45°	14.3	14.6	15.1	14.6	14.3
47.5°	12.6	12.6	12.9	12.6	12.4
50°	11.4	11.4	11.4	11.4	11.4
52.5°	10.4	10.4	10.2	10.4	10.4
55°	9.7	9.5	9.5	9.5	9.7
57.5°	9.2	9.0	8.7	9.0	9.2
60°	8.7	8.3	8.0	8.3	8.7
62.5°	8.3	7.8	7.5	7.8	8.3
65°	8.0	7.3	6.8	7.3	8.0
67.5°	7.8	6.8	6.3	6.8	8.0
70°	7.8	6.3	5.6	6.6	7.8
72.5°	7.5	6.1	5.1	6.1	7.5
75°	7.5	5.6	4.6	5.6	7.5
77.5°	7.0	5.1	3.9	5.1	7.0
80°	6.3	4.6	3.2	4.6	6.1
82.5°	4.6	3.9	2.4	3.9	4.6
85°	2.4	2.7	1.5	2.7	2.7
87.5°	0.2	1.0	0.5	1.5	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)