

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: P1309845

Luminaire Tested: LDSQA3D02R209035DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309845  
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: LDSQA3D02R209035DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

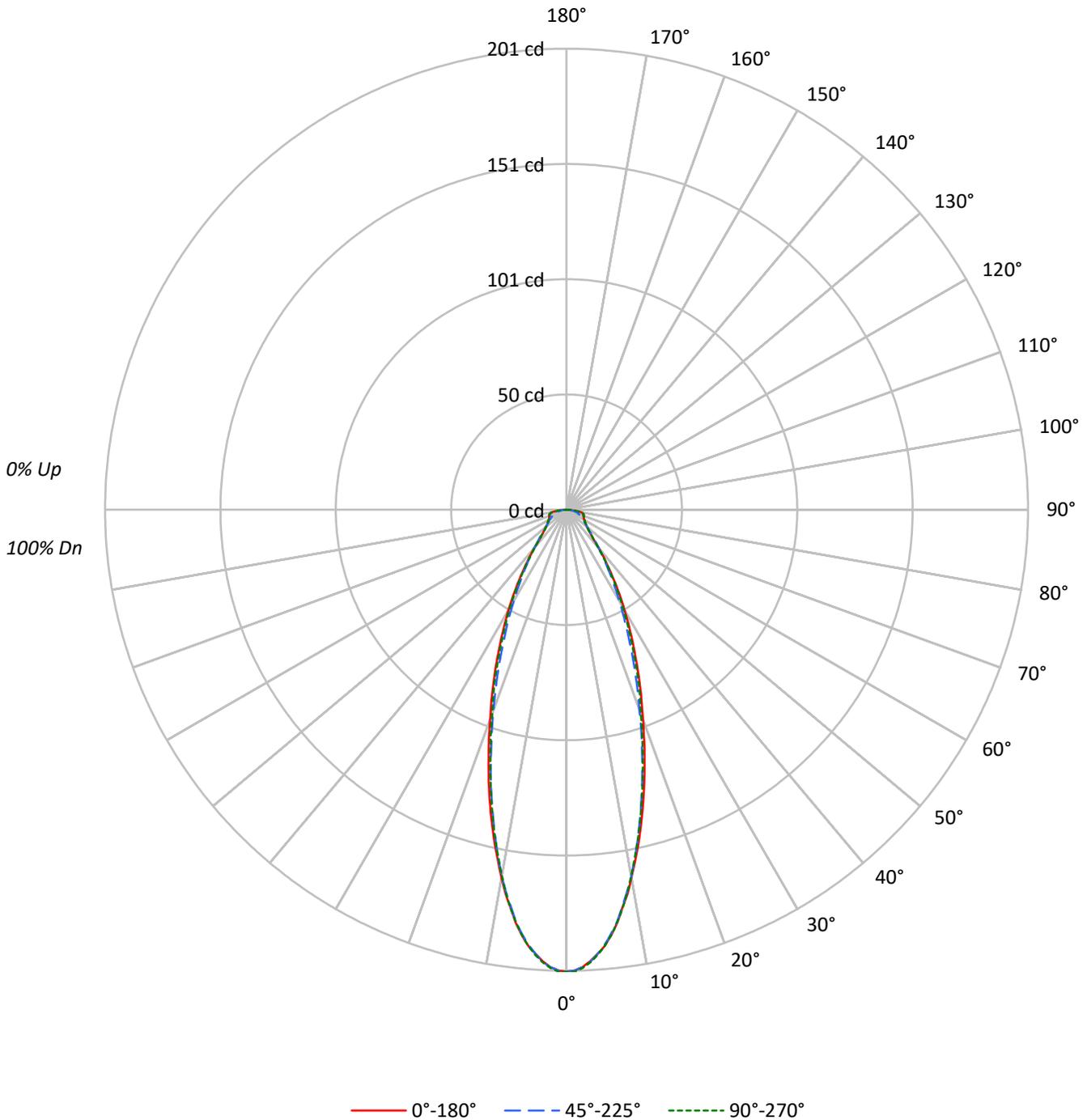
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 141.9 lumens  
Efficiency: N/A  
Efficacy: 39.4 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





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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	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	84	79	96	88	83	78	86	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	64	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	64	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	58	52	49	57	52	48	48	48	48	47
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	46	46	46	44

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

	0°	45°	90°
0°	34686	34686	34686
5°	33003	32916	33003
10°	28488	28400	28348
15°	23125	22590	22680
20°	17814	17026	17356
25°	13530	12542	13150
30°	10043	9148	9744
35°	7085	6623	6980
40°	4879	4879	4766
45°	3580	3775	3580
50°	3135	3135	3135
55°	3003	2913	3003
60°	3100	2824	3100
65°	3342	2853	3342
70°	4028	2870	4028
75°	5124	3127	5124
80°	6447	3174	6149
85°	4940	2964	5335

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 6447 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.3	12.2
10°-20°	35.3	24.9
20°-30°	31.5	22.2
30°-40°	20.7	14.6
40°-50°	12.0	8.5
50°-60°	8.9	6.3
60°-70°	7.5	5.3
70°-80°	6.2	4.4
80°-90°	2.6	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
0°-30°	84.0	59.2
0°-40°	104.7	73.8
0°-60°	125.6	88.5
0°-90°	141.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	141.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	201	201	201	201	201	
5°	191	191	190	191	191	17
15°	130	128	127	127	127	36
25°	71	69	66	68	69	33
35°	34	33	32	32	33	21
45°	15	15	16	15	15	12
55°	10	10	10	10	10	9
65°	8	8	7	8	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°	201.4	201.4	201.4	201.4	201.4
1°	200.9	201.1	200.9	201.1	201.4
2°	199.6	199.9	199.6	199.6	199.9
3°	197.1	197.4	197.4	197.4	197.6
4°	194.1	194.4	194.1	194.4	194.6
5°	190.9	190.6	190.4	190.6	190.9
6°	186.4	186.1	185.9	186.1	186.4
7°	181.4	181.1	180.9	180.9	181.1
8°	175.1	175.4	174.6	175.1	175.4
9°	169.6	169.1	168.6	168.6	169.1
10°	162.9	162.4	162.4	162.1	162.1
12.5°	146.4	145.4	144.6	144.6	144.9
15°	129.7	128.4	126.7	126.9	127.2
17.5°	112.9	111.4	109.2	109.7	110.2
20°	97.2	95.7	92.9	93.9	94.7
22.5°	83.7	81.4	78.9	79.7	82.2
25°	71.2	69.2	66.0	67.7	69.2
27.5°	60.2	58.0	55.2	57.0	58.5
30°	50.5	48.5	46.0	47.5	49.0
32.5°	41.7	40.0	38.2	39.2	40.5
35°	33.7	32.7	31.5	32.5	33.2
37.5°	27.2	26.7	26.2	26.7	26.5
40°	21.7	22.0	21.7	21.7	21.2
42.5°	17.2	18.0	18.2	17.7	17.2
45°	14.7	15.0	15.5	15.0	14.7
47.5°	13.0	13.0	13.2	13.0	12.7
50°	11.7	11.7	11.7	11.7	11.7
52.5°	10.7	10.7	10.5	10.7	10.7
55°	10.0	9.7	9.7	9.7	10.0
57.5°	9.5	9.2	9.0	9.2	9.5
60°	9.0	8.5	8.2	8.5	9.0
62.5°	8.5	8.0	7.7	8.0	8.5
65°	8.2	7.5	7.0	7.5	8.2
67.5°	8.0	7.0	6.5	7.0	8.2
70°	8.0	6.5	5.7	6.7	8.0
72.5°	7.7	6.2	5.2	6.2	7.7
75°	7.7	5.7	4.7	5.7	7.7
77.5°	7.2	5.2	4.0	5.2	7.2
80°	6.5	4.7	3.2	4.7	6.2
82.5°	4.7	4.0	2.5	4.0	4.7
85°	2.5	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)