

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: P1318818

Luminaire Tested: LDSQA3D02R359835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318818  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R359835DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

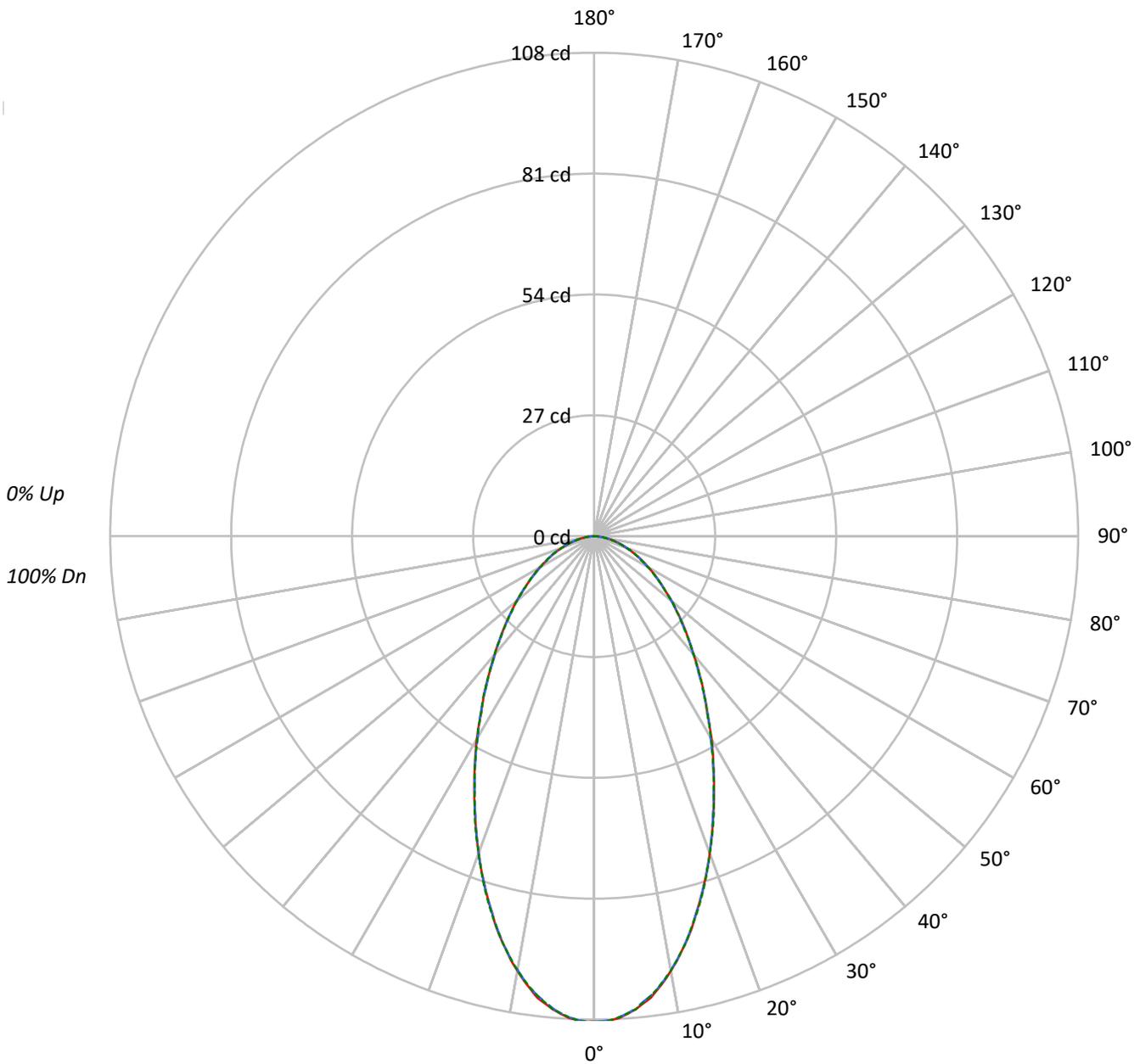
Lumens per Lamp: N/A  
Luminaire Lumens: 145.1 lumens  
Efficiency: N/A  
Efficacy: 40.3 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
Input Voltage (V): NR  
Input Current (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	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	64	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	37
10	60	49	41	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

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

	0°	45°	90°
0°	18686	18686	18686
5°	18343	18308	18343
10°	17243	17208	17243
15°	15619	15619	15655
20°	13819	13819	13819
25°	12029	11991	11991
30°	10421	10341	10381
35°	8977	8935	8977
40°	7779	7734	7779
45°	6844	6795	6795
50°	6055	6028	6028
55°	5345	5345	5345
60°	4822	4753	4822
65°	4360	4360	4360
70°	3877	3877	3877
75°	3460	3394	3460
80°	2975	2975	2975
85°	1778	1778	1778

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6844 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.9	6.8
10°-20°	24.4	16.8
20°-30°	29.0	20.0
30°-40°	26.7	18.4
40°-50°	21.7	14.9
50°-60°	16.0	11.0
60°-70°	10.6	7.3
70°-80°	5.5	3.8
80°-90°	1.2	0.9
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>63.3</b>	<b>43.7</b>
<b>0°-40°</b>	<b>90.0</b>	<b>62.1</b>
<b>0°-60°</b>	<b>127.7</b>	<b>88.0</b>
<b>0°-90°</b>	<b>145.1</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>145.1</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	108	108	108	108	108	
5°	106	106	106	106	106	10
15°	88	88	88	88	88	24
25°	63	63	63	63	63	29
35°	43	42	42	43	43	27
45°	28	28	28	28	28	22
55°	18	18	18	18	18	16
65°	11	11	11	11	11	11
75°	5	5	5	5	5	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	108.5	108.5	108.5	108.5	108.5
1°	108.5	108.4	108.4	108.4	108.5
2°	108.2	108.2	108.2	108.2	108.2
3°	107.8	107.6	107.6	107.6	107.6
4°	107.0	106.9	106.9	106.9	106.9
5°	106.1	105.9	105.9	105.9	106.1
6°	105.0	104.8	104.6	104.6	104.8
7°	103.9	103.5	103.5	103.5	103.5
8°	102.2	102.0	102.0	102.0	102.0
9°	100.5	100.1	100.3	100.3	100.3
10°	98.6	98.4	98.4	98.4	98.6
11°	96.7	96.6	96.6	96.4	96.6
12°	94.5	94.5	94.5	94.5	94.5
13°	92.4	92.3	92.3	92.3	92.4
14°	90.2	90.0	90.0	90.0	90.0
15°	87.6	87.6	87.6	87.6	87.8
17.5°	81.6	81.4	81.6	81.6	81.8
20°	75.4	75.2	75.4	75.4	75.4
22.5°	69.2	69.2	69.1	69.2	69.4
25°	63.3	63.1	63.1	63.3	63.1
27.5°	57.6	57.5	57.5	57.5	57.5
30°	52.4	52.0	52.0	52.2	52.2
32.5°	47.0	47.0	47.2	47.0	47.0
35°	42.7	42.5	42.5	42.7	42.7
37.5°	38.4	38.2	38.2	38.4	38.4
40°	34.6	34.6	34.4	34.6	34.6
42.5°	31.1	31.1	31.1	31.1	31.1
45°	28.1	27.9	27.9	27.9	27.9
47.5°	25.1	25.1	25.1	24.9	25.1
50°	22.6	22.5	22.5	22.5	22.5
52.5°	20.0	20.0	20.0	20.0	20.0
55°	17.8	17.8	17.8	17.8	17.8
57.5°	15.9	15.7	15.7	15.7	15.7
60°	14.0	14.0	13.8	14.0	14.0
62.5°	12.2	12.2	12.2	12.2	12.2
65°	10.7	10.7	10.7	10.7	10.7
67.5°	9.2	9.2	9.2	9.2	9.2
70°	7.7	7.7	7.7	7.7	7.7
72.5°	6.5	6.4	6.4	6.4	6.4
75°	5.2	5.2	5.1	5.2	5.2
77.5°	3.9	3.9	3.9	3.9	3.9
80°	3.0	3.0	3.0	2.8	3.0
82.5°	1.9	1.9	1.9	1.9	1.9
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.2	0.2	0.2	0.4	0.4



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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)