

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: P1315153

Luminaire Tested: LDSQA3D02R359735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315153  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R359735DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

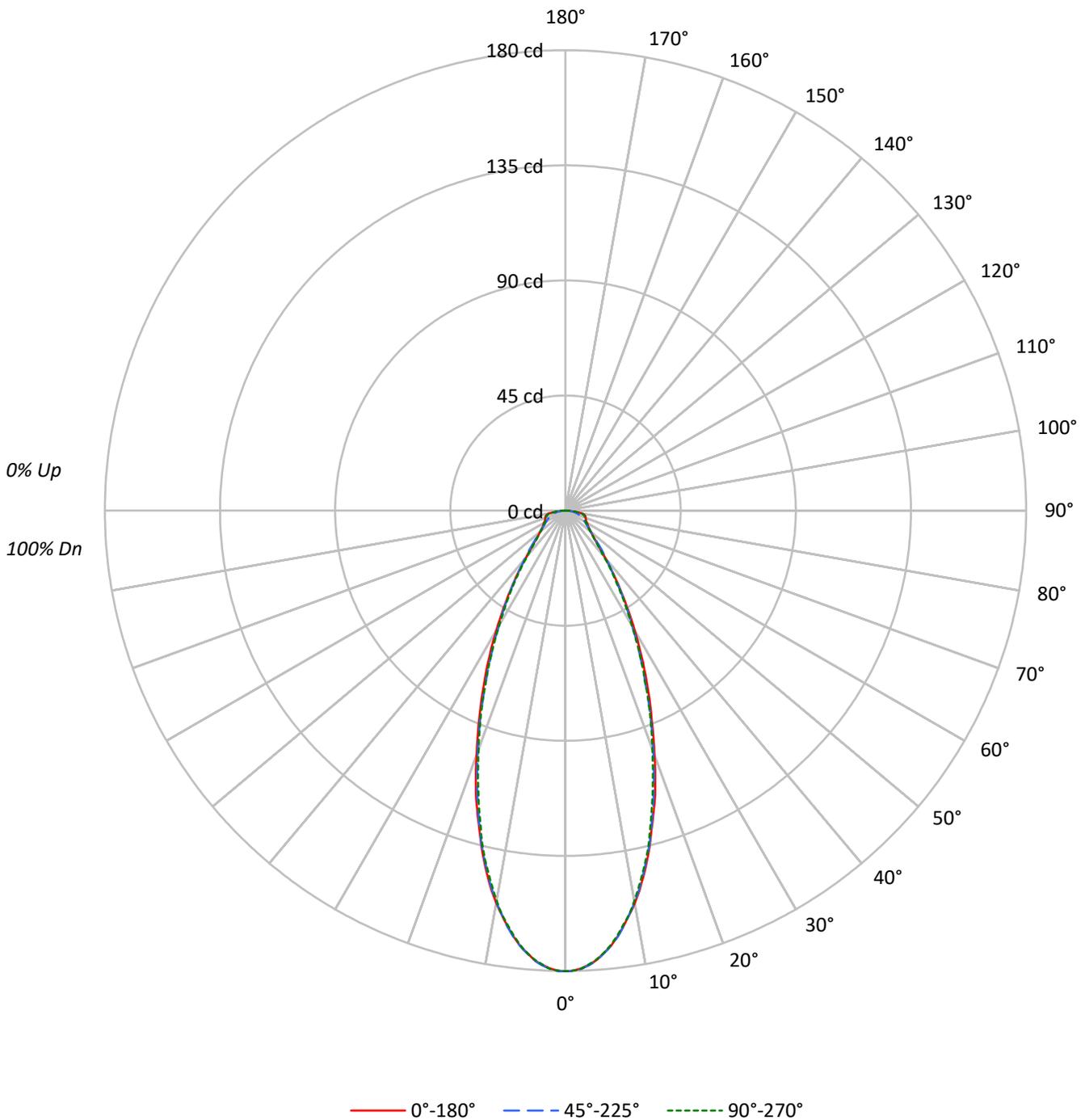
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 149.0 lumens  
Efficiency: N/A  
Efficacy: 41.4 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	66	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	56
7	77	66	60	55	76	66	59	55	64	58	54	63	58	54	62	57	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	43

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

	0°	45°	90°
0°	31017	31017	31017
5°	29995	30029	29995
10°	27246	27211	27089
15°	23125	23054	22840
20°	18621	18383	18199
25°	14404	13967	13967
30°	10739	10381	10281
35°	7716	7632	7443
40°	5396	5553	5193
45°	4043	4262	3921
50°	3456	3456	3403
55°	3273	3123	3213
60°	3376	3031	3203
65°	3586	3056	3505
70°	4230	3223	4129
75°	5257	3327	5124
80°	6744	3570	6050
85°	5335	3557	5335

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 6744 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.0	10.7
10°-20°	35.7	24.0
20°-30°	34.1	22.9
30°-40°	22.9	15.4
40°-50°	13.4	9.0
50°-60°	9.6	6.5
60°-70°	8.0	5.4
70°-80°	6.6	4.4
80°-90°	2.7	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>85.8</b>	<b>57.6</b>
<b>0°-40°</b>	<b>108.7</b>	<b>72.9</b>
<b>0°-60°</b>	<b>131.7</b>	<b>88.4</b>
<b>0°-90°</b>	<b>149.0</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>149.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	180	180	180	180	180	
5°	174	174	174	174	174	16
15°	130	130	129	128	128	36
25°	76	75	74	74	74	35
35°	37	37	36	36	35	23
45°	17	17	18	17	16	13
55°	11	11	10	10	11	10
65°	9	8	8	8	9	9
75°	8	6	5	6	8	8
85°	3	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°	180.1	180.1	180.1	180.1	180.1
1°	179.9	180.1	180.1	179.9	179.9
2°	179.0	179.4	179.2	179.0	179.2
3°	177.8	178.3	178.0	177.8	177.6
4°	176.0	176.5	176.2	175.8	175.8
5°	173.5	174.0	173.7	173.5	173.5
6°	171.0	171.5	171.0	170.6	170.6
7°	167.6	168.3	167.8	167.4	167.2
8°	163.8	164.4	164.0	163.8	163.3
9°	159.9	160.4	159.7	159.7	159.7
10°	155.8	156.0	155.6	154.9	154.9
11°	151.3	151.1	150.8	150.4	149.9
12°	146.3	146.3	145.6	145.2	144.9
13°	141.1	140.9	140.4	139.9	139.9
14°	135.6	135.6	135.2	134.3	134.5
15°	129.7	130.0	129.3	128.4	128.1
17.5°	116.4	115.9	114.8	114.1	113.4
20°	101.6	101.4	100.3	99.6	99.3
22.5°	88.0	87.8	86.6	86.0	86.4
25°	75.8	74.8	73.5	73.5	73.5
27.5°	64.4	63.3	62.4	61.9	62.4
30°	54.0	53.1	52.2	51.9	51.7
32.5°	44.7	44.2	43.8	43.1	43.1
35°	36.7	36.7	36.3	35.6	35.4
37.5°	29.9	30.2	29.9	29.3	29.0
40°	24.0	24.5	24.7	24.0	23.1
42.5°	19.7	20.4	20.9	19.7	19.1
45°	16.6	17.0	17.5	16.6	16.1
47.5°	14.5	14.7	15.0	14.3	14.1
50°	12.9	12.9	12.9	12.7	12.7
52.5°	11.8	11.8	11.6	11.3	11.3
55°	10.9	10.7	10.4	10.4	10.7
57.5°	10.2	10.0	9.5	9.8	10.0
60°	9.8	9.3	8.8	9.1	9.3
62.5°	9.1	8.6	8.2	8.4	8.8
65°	8.8	7.9	7.5	7.9	8.6
67.5°	8.6	7.5	6.8	7.5	8.4
70°	8.4	7.0	6.4	7.0	8.2
72.5°	8.2	6.6	5.7	6.6	7.9
75°	7.9	6.1	5.0	6.1	7.7
77.5°	7.5	5.7	4.3	5.7	7.0
80°	6.8	5.2	3.6	5.0	6.1
82.5°	5.0	4.3	2.9	4.3	4.5
85°	2.7	2.9	1.8	2.9	2.7
87.5°	0.2	0.5	0.5	1.4	0.9



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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)