

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: P1315087

Luminaire Tested: LDSQA3D02R159735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315087  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R159735DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

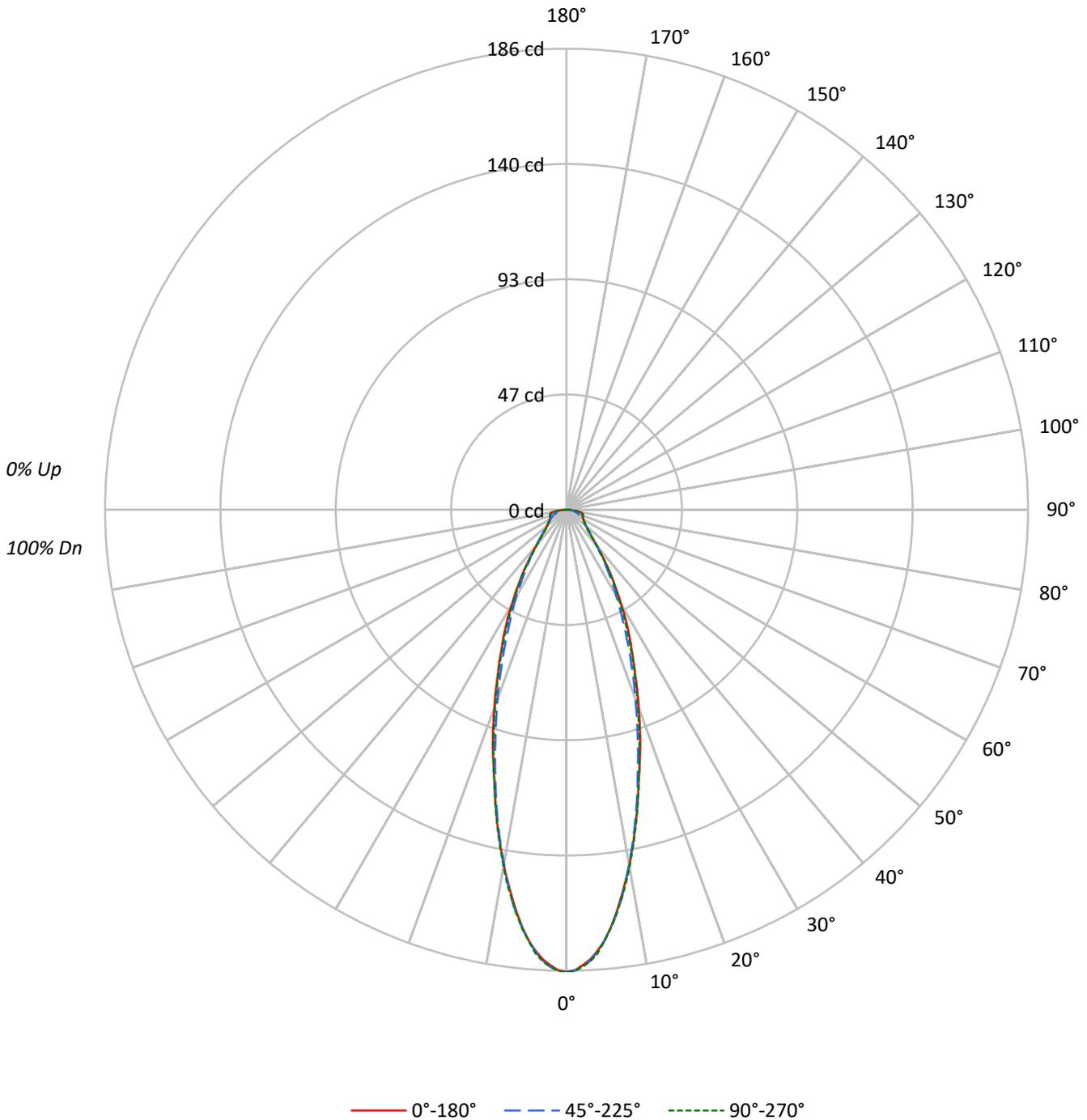
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 125.0 lumens  
Efficiency: N/A  
Efficacy: 34.7 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
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				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	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

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

	0°	45°	90°
0°	32120	32120	32120
5°	30168	30202	30202
10°	25480	25392	25550
15°	20041	19755	20076
20°	15578	14864	15358
25°	11763	10927	11573
30°	8750	7975	8551
35°	6244	5803	6139
40°	4227	4272	4182
45°	3142	3312	3142
50°	2733	2733	2733
55°	2642	2522	2642
60°	2721	2514	2652
65°	2975	2567	2975
70°	3525	2618	3525
75°	4525	2728	4525
80°	5653	2876	5356
85°	4545	2766	4940

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 5653 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.7	12.6
10°-20°	31.1	24.9
20°-30°	27.5	22.0
30°-40°	18.0	14.4
40°-50°	10.5	8.4
50°-60°	7.8	6.2
60°-70°	6.6	5.3
70°-80°	5.5	4.4
80°-90°	2.3	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>74.3</b>	<b>59.4</b>
<b>0°-40°</b>	<b>92.3</b>	<b>73.9</b>
<b>0°-60°</b>	<b>110.6</b>	<b>88.5</b>
<b>0°-90°</b>	<b>125.0</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>125.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	186	186	186	186	186	
5°	174	174	175	175	175	16
15°	112	112	111	112	113	31
25°	62	60	58	59	61	29
35°	30	28	28	28	29	19
45°	13	13	14	13	13	10
55°	9	9	8	9	9	8
65°	7	7	6	7	7	7
75°	7	5	4	5	7	7
85°	2	2	1	2	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	186.5	186.5	186.5	186.5	186.5
1°	185.8	186.0	186.0	186.2	186.2
2°	184.0	184.4	184.6	184.6	184.6
3°	181.7	181.9	182.2	182.4	182.4
4°	178.5	178.8	178.8	179.2	179.4
5°	174.5	174.5	174.7	174.9	174.7
6°	169.7	169.7	169.9	169.9	169.9
7°	164.0	164.3	164.5	164.7	164.5
8°	157.9	158.1	158.8	158.8	158.6
9°	151.8	152.0	152.0	152.7	152.7
10°	145.7	145.7	145.2	145.7	146.1
12.5°	129.1	128.9	128.2	128.9	129.4
15°	112.4	112.4	110.8	112.1	112.6
17.5°	98.8	96.7	95.2	96.5	97.6
20°	85.0	82.9	81.1	82.5	83.8
22.5°	72.5	70.9	68.6	70.0	71.6
25°	61.9	59.8	57.5	59.1	60.9
27.5°	53.0	50.3	48.0	49.8	51.4
30°	44.0	42.1	40.1	41.5	43.0
32.5°	36.3	34.9	33.3	34.4	35.8
35°	29.7	28.5	27.6	28.3	29.2
37.5°	23.8	23.3	22.9	23.1	23.1
40°	18.8	19.0	19.0	19.0	18.6
42.5°	15.4	15.6	16.1	15.6	15.4
45°	12.9	13.1	13.6	13.1	12.9
47.5°	11.3	11.6	11.8	11.3	11.3
50°	10.2	10.2	10.2	10.2	10.2
52.5°	9.5	9.3	9.3	9.3	9.5
55°	8.8	8.6	8.4	8.6	8.8
57.5°	8.2	7.9	7.7	7.9	8.2
60°	7.9	7.5	7.3	7.5	7.7
62.5°	7.5	7.0	6.8	7.0	7.5
65°	7.3	6.6	6.3	6.6	7.3
67.5°	7.0	6.1	5.7	6.1	7.0
70°	7.0	5.7	5.2	5.9	7.0
72.5°	6.8	5.4	4.5	5.4	6.8
75°	6.8	5.0	4.1	5.2	6.8
77.5°	6.3	4.5	3.4	4.8	6.3
80°	5.7	4.1	2.9	4.3	5.4
82.5°	4.1	3.4	2.3	3.4	4.1
85°	2.3	2.5	1.4	2.3	2.5
87.5°	0.2	0.7	0.5	1.4	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)