

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: P1317001

Luminaire Tested: LDSQA3D02R159827DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317001  
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: LDSQA3D02R159827DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

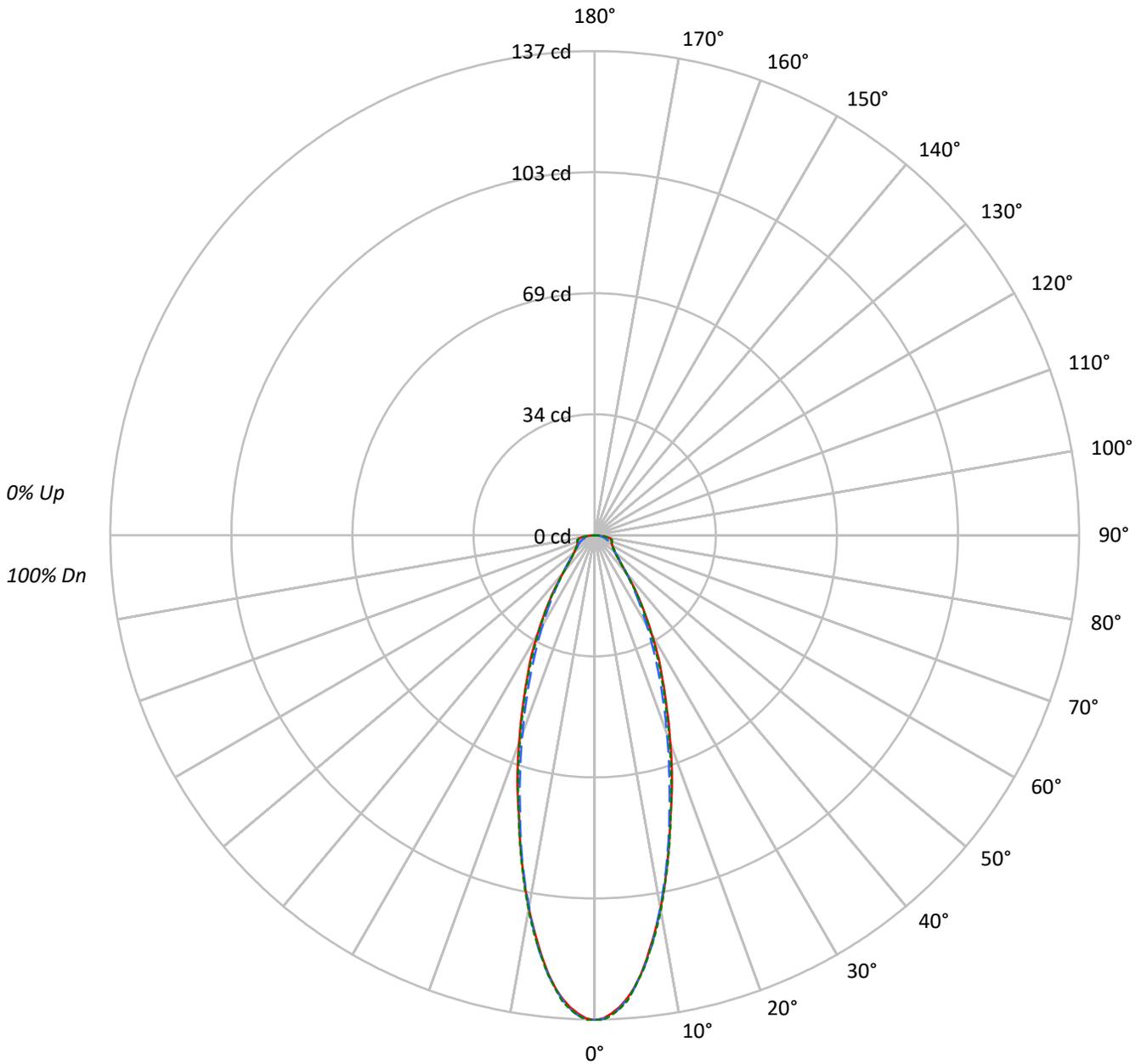
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 92.0 lumens  
Efficiency: N/A  
Efficacy: 25.5 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



— 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	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	73	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	61	56	66	60	56	64	59	55	63	59	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	54	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°	23629	23629	23629
5°	22198	22232	22232
10°	18747	18695	18817
15°	14745	14531	14781
20°	11455	10942	11308
25°	8646	8057	8532
30°	6423	5867	6304
35°	4583	4268	4520
40°	3103	3147	3080
45°	2314	2436	2314
50°	2009	2009	2009
55°	1952	1862	1952
60°	1998	1826	1963
65°	2160	1915	2160
70°	2618	1913	2618
75°	3327	1996	3327
80°	4166	2182	3967
85°	3359	1976	3557

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 4166 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.6	12.6
10°-20°	22.9	24.9
20°-30°	20.2	22.0
30°-40°	13.3	14.4
40°-50°	7.8	8.4
50°-60°	5.7	6.2
60°-70°	4.9	5.3
70°-80°	4.0	4.4
80°-90°	1.7	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>54.7</b>	<b>59.5</b>
<b>0°-40°</b>	<b>68.0</b>	<b>73.9</b>
<b>0°-60°</b>	<b>81.4</b>	<b>88.5</b>
<b>0°-90°</b>	<b>92.0</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>92.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	137	137	137	137	137	
5°	128	128	129	129	129	12
15°	83	83	82	82	83	23
25°	46	44	42	44	45	21
35°	22	21	20	21	22	14
45°	10	10	10	10	10	8
55°	6	6	6	6	6	6
65°	5	5	5	5	5	5
75°	5	4	3	4	5	5
85°	2	2	1	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	137.2	137.2	137.2	137.2	137.2
1°	136.7	136.9	136.9	137.1	137.1
2°	135.4	135.7	135.9	135.9	135.9
3°	133.7	133.9	134.1	134.2	134.2
4°	131.4	131.6	131.6	131.9	132.1
5°	128.4	128.4	128.6	128.7	128.6
6°	124.9	124.9	125.1	125.1	125.1
7°	120.7	120.9	121.1	121.2	121.1
8°	116.2	116.4	116.9	116.9	116.7
9°	111.7	111.9	111.9	112.4	112.4
10°	107.2	107.2	106.9	107.2	107.6
12.5°	95.0	94.9	94.4	94.9	95.2
15°	82.7	82.7	81.5	82.5	82.9
17.5°	72.7	71.2	70.0	71.0	71.9
20°	62.5	61.0	59.7	60.7	61.7
22.5°	53.4	52.2	50.5	51.5	52.7
25°	45.5	44.0	42.4	43.5	44.9
27.5°	39.0	37.0	35.4	36.7	37.9
30°	32.3	31.0	29.5	30.5	31.7
32.5°	26.7	25.7	24.5	25.3	26.3
35°	21.8	21.0	20.3	20.8	21.5
37.5°	17.5	17.2	16.8	17.0	17.0
40°	13.8	14.0	14.0	14.0	13.7
42.5°	11.3	11.5	11.8	11.5	11.3
45°	9.5	9.7	10.0	9.7	9.5
47.5°	8.3	8.5	8.7	8.3	8.3
50°	7.5	7.5	7.5	7.5	7.5
52.5°	7.0	6.8	6.8	6.8	7.0
55°	6.5	6.3	6.2	6.3	6.5
57.5°	6.0	5.8	5.7	5.8	6.0
60°	5.8	5.5	5.3	5.5	5.7
62.5°	5.5	5.2	5.0	5.2	5.5
65°	5.3	4.8	4.7	4.8	5.3
67.5°	5.2	4.5	4.2	4.5	5.2
70°	5.2	4.2	3.8	4.3	5.2
72.5°	5.0	4.0	3.3	4.0	5.0
75°	5.0	3.7	3.0	3.8	5.0
77.5°	4.7	3.3	2.5	3.5	4.7
80°	4.2	3.0	2.2	3.2	4.0
82.5°	3.0	2.5	1.7	2.5	3.0
85°	1.7	1.8	1.0	1.7	1.8
87.5°	0.2	0.5	0.3	1.0	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)