

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: P1311032

Luminaire Tested: LDSQA3D02R459040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311032  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R459040DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

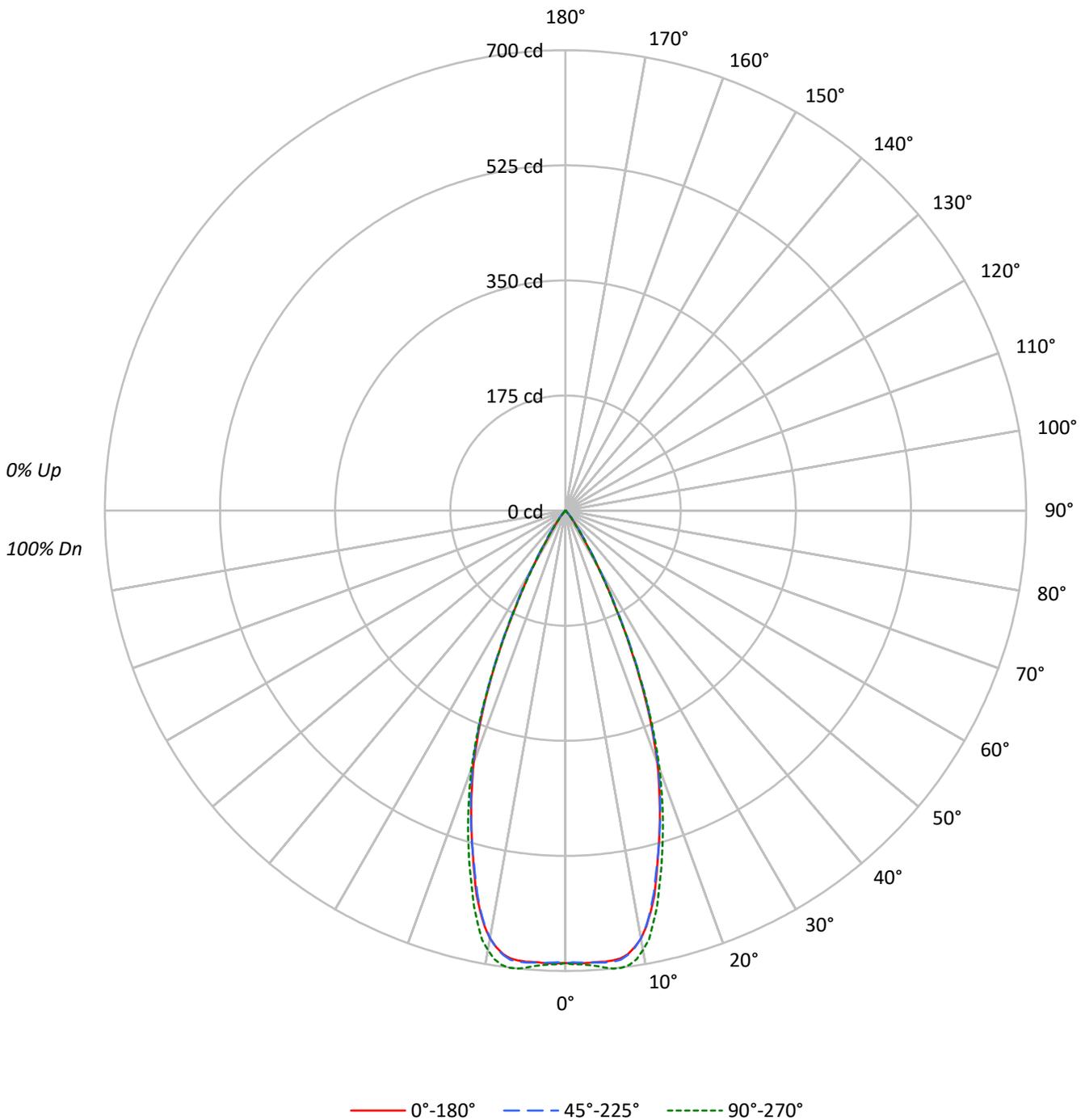
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 356.0 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	73	69	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	70	67	64	63

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

	0°	45°	90°
0°	118455	118455	118455
5°	119046	119270	120636
10°	115508	115420	118638
15°	96816	96762	100328
20°	74831	75601	76664
25°	45872	46823	45986
30°	19668	20563	19051
35°	6181	7443	6013
40°	2113	2720	2068
45°	390	1145	317
50°	214	429	214
55°	240	240	240
60°	172	172	172
65°	204	204	204
70°	151	151	151
75°	200	200	200
80°	298	298	298
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1145 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.4	18.4
10°-20°	151.1	42.4
20°-30°	110.6	31.1
30°-40°	24.4	6.9
40°-50°	3.0	0.8
50°-60°	0.7	0.2
60°-70°	0.5	0.1
70°-80°	0.3	0.1
80°-90°	0.0	0.0
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°	327.0	91.9
0°-40°	351.5	98.7
0°-60°	355.2	99.8
0°-90°	356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	356.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	688	688	688	688	688	
5°	689	688	690	695	698	65
15°	543	540	543	556	563	150
25°	241	241	246	245	242	109
35°	29	31	35	31	29	23
45°	2	3	5	3	1	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	687.8	687.8	687.8	687.8	687.8
1°	688.4	687.3	687.1	688.9	690.2
2°	688.9	687.6	687.8	689.7	690.5
3°	688.4	687.1	688.4	691.0	692.0
4°	688.1	687.6	688.9	692.6	694.4
5°	688.6	688.1	689.9	694.9	697.8
6°	687.8	687.1	689.7	696.0	700.2
7°	686.0	685.2	688.1	695.7	700.4
8°	681.0	679.4	682.3	691.8	697.6
9°	672.1	670.0	672.9	683.9	690.7
10°	660.5	658.2	660.0	670.8	678.4
11°	644.0	640.9	643.0	654.5	664.5
12°	623.0	618.6	621.2	634.3	641.4
13°	600.2	596.0	596.5	608.3	618.3
14°	571.8	566.3	568.7	581.0	588.9
15°	543.0	540.1	542.7	555.8	562.7
17.5°	476.8	476.6	478.9	488.7	492.3
20°	408.3	409.1	412.5	417.8	418.3
22.5°	327.3	327.5	331.2	334.9	334.1
25°	241.4	241.2	246.4	244.6	242.0
27.5°	160.1	161.1	165.9	162.4	159.8
30°	98.9	101.0	103.4	99.2	95.8
32.5°	53.5	56.9	60.4	56.7	53.3
35°	29.4	31.0	35.4	31.0	28.6
37.5°	17.1	17.8	20.7	17.8	16.3
40°	9.4	10.8	12.1	10.8	9.2
42.5°	3.9	6.0	7.3	6.0	3.9
45°	1.6	2.6	4.7	2.6	1.3
47.5°	0.8	1.0	2.9	1.0	0.8
50°	0.8	0.8	1.6	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.5	0.5	0.5	0.8	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.3	0.3	0.3	0.5	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)