

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: P1314199

Luminaire Tested: LDSQA3D02R459730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

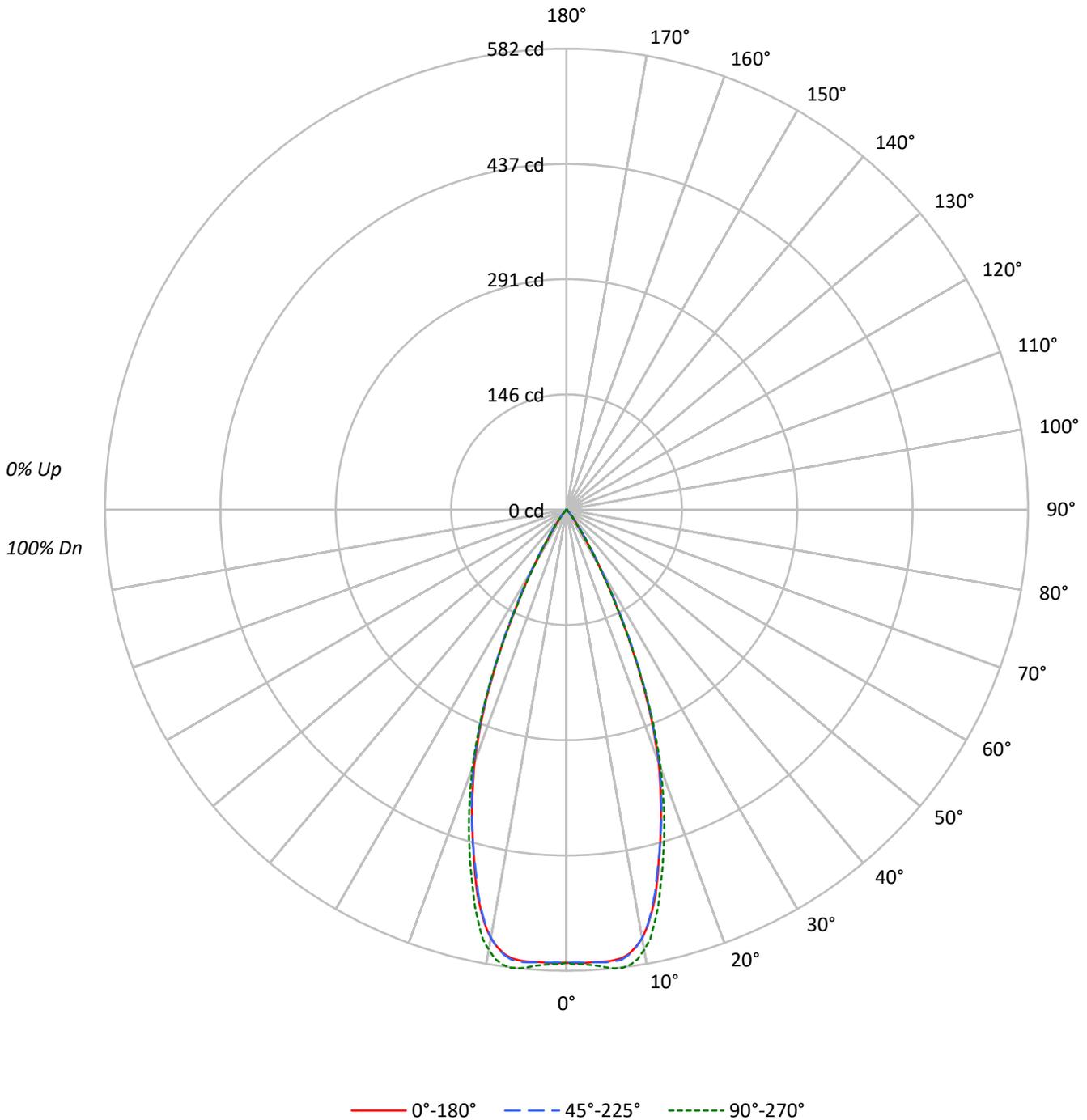
Test Method: LM-79-2019  
Report Number: P1314199  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R459730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 296.0 lumens  
Efficiency: N/A  
Efficacy: 82.2 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	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	98494	98494	98494
5°	98991	99182	100305
10°	96044	95974	98649
15°	80502	80448	83408
20°	62222	62863	63743
25°	38138	38936	38233
30°	16367	17102	15830
35°	5130	6202	5004
40°	1776	2248	1709
45°	317	950	268
50°	188	348	188
55°	210	210	210
60°	138	138	138
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 950 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.4	18.4
10°-20°	125.6	42.4
20°-30°	92.0	31.1
30°-40°	20.3	6.9
40°-50°	2.5	0.8
50°-60°	0.6	0.2
60°-70°	0.4	0.1
70°-80°	0.2	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°	271.9	91.9
0°-40°	292.2	98.7
0°-60°	295.3	99.8
0°-90°	296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	296.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	573	572	574	578	580	54
15°	452	449	451	462	468	125
25°	201	200	205	203	201	91
35°	24	26	30	26	24	19
45°	1	2	4	2	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°	571.9	571.9	571.9	571.9	571.9
1°	572.3	571.5	571.3	572.8	573.9
2°	572.8	571.7	571.9	573.4	574.1
3°	572.3	571.3	572.3	574.5	575.4
4°	572.1	571.7	572.8	575.8	577.4
5°	572.6	572.1	573.7	577.8	580.2
6°	571.9	571.3	573.4	578.7	582.2
7°	570.4	569.7	572.1	578.5	582.4
8°	566.2	564.9	567.3	575.2	580.0
9°	558.8	557.1	559.5	568.6	574.3
10°	549.2	547.3	548.8	557.7	564.1
11°	535.5	532.9	534.6	544.2	552.5
12°	518.0	514.3	516.5	527.4	533.3
13°	499.0	495.5	496.0	505.8	514.1
14°	475.5	470.9	472.8	483.1	489.6
15°	451.5	449.1	451.2	462.2	467.8
17.5°	396.5	396.3	398.2	406.3	409.4
20°	339.5	340.2	343.0	347.4	347.8
22.5°	272.1	272.3	275.4	278.4	277.8
25°	200.7	200.5	204.9	203.4	201.2
27.5°	133.1	134.0	137.9	135.1	132.9
30°	82.3	84.0	86.0	82.5	79.6
32.5°	44.5	47.4	50.2	47.1	44.3
35°	24.4	25.7	29.5	25.7	23.8
37.5°	14.2	14.8	17.2	14.8	13.5
40°	7.9	8.9	10.0	8.9	7.6
42.5°	3.3	5.0	6.1	5.0	3.3
45°	1.3	2.2	3.9	2.2	1.1
47.5°	0.7	0.9	2.4	0.9	0.7
50°	0.7	0.7	1.3	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.4	0.4	0.4	0.7	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.2	0.2	0.4	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
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)