

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: P1310555

Luminaire Tested: LDSQA3D17R409035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

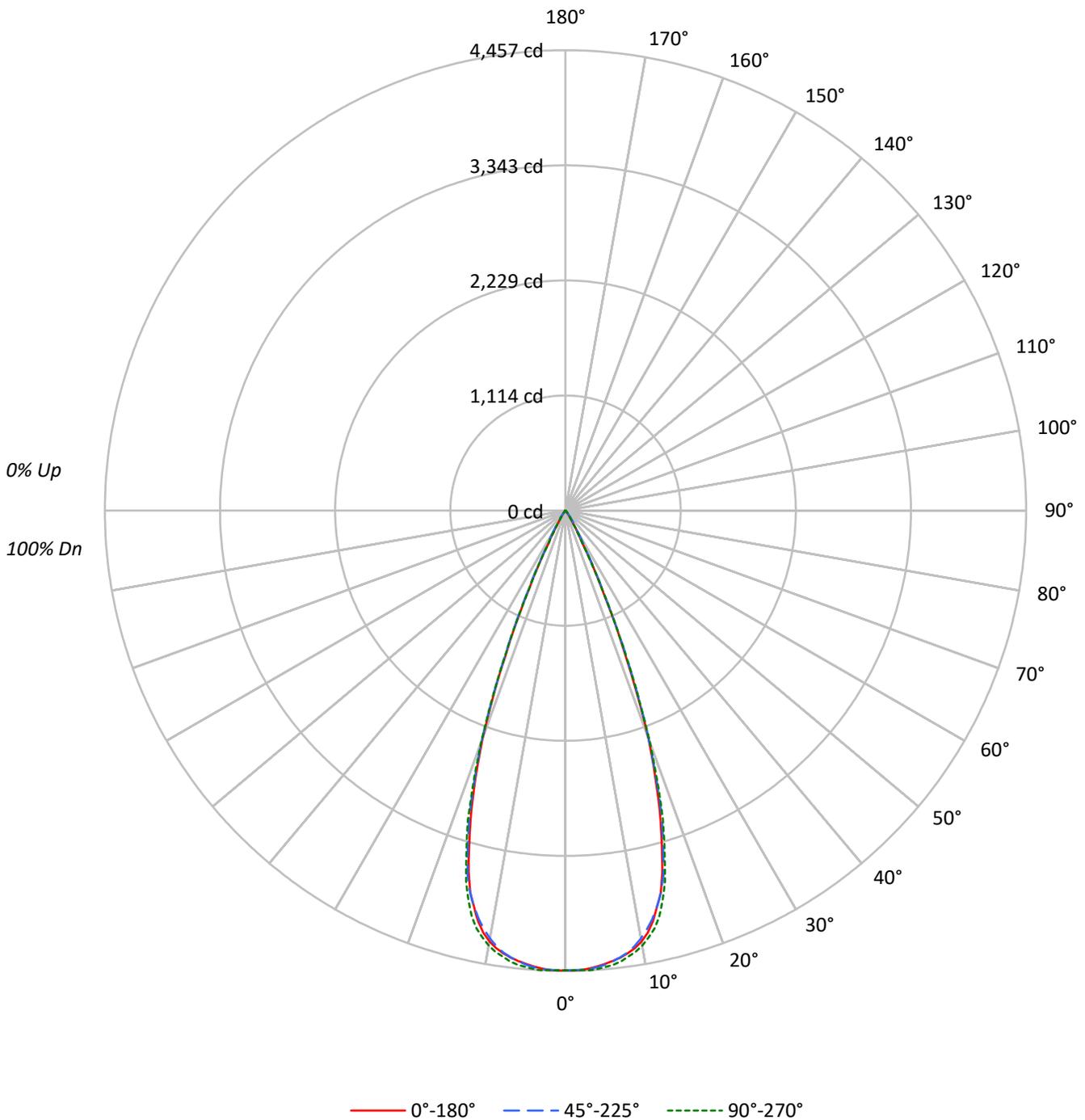
Test Method: LM-79-2019  
Report Number: P1310555  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R409035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1883.9 lumens  
Efficiency: N/A  
Efficacy: 88.9 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.2  
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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

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

	0°	45°	90°
0°	766649	766649	766649
5°	761556	762714	766829
10°	740947	735386	747662
15°	645581	652196	662359
20°	430019	432200	436342
25°	156335	161124	157095
30°	33191	44526	33191
35°	11690	19784	11143
40°	4159	6250	4159
45°	974	2582	974
50°	697	1072	697
55°	781	781	781
60°	896	896	896
65°	530	1060	530
70°	655	655	655
75°	865	865	865
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2582 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.0	22.1
10°-20°	969.3	51.5
20°-30°	436.3	23.2
30°-40°	49.6	2.6
40°-50°	7.1	0.4
50°-60°	2.4	0.1
60°-70°	2.0	0.1
70°-80°	1.2	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°	1821.6	96.7
0°-40°	1871.2	99.3
0°-60°	1880.7	99.8
0°-90°	1883.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1883.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4452	4452	4452	4452	4452	
5°	4405	4400	4412	4432	4436	416
15°	3621	3630	3658	3687	3715	962
25°	823	828	848	848	827	426
35°	56	62	94	60	53	42
45°	4	7	11	7	4	5
55°	3	3	3	3	3	2
65°	1	3	3	3	1	2
75°	1	1	1	1	1	1
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°	4451.5	4451.5	4451.5	4451.5	4451.5
1°	4454.2	4450.2	4448.9	4456.8	4450.2
2°	4450.2	4447.5	4448.9	4456.8	4451.5
3°	4438.3	4439.6	4443.6	4458.1	4456.8
4°	4423.7	4422.4	4430.3	4448.9	4448.9
5°	4405.1	4399.8	4411.8	4431.6	4435.6
6°	4383.9	4377.3	4386.6	4411.8	4421.0
7°	4360.1	4346.8	4354.8	4385.3	4397.2
8°	4328.3	4311.1	4320.3	4350.8	4360.1
9°	4288.5	4262.0	4270.0	4307.1	4325.6
10°	4236.9	4203.8	4205.1	4246.2	4275.3
11°	4164.0	4126.9	4128.2	4179.9	4210.4
12°	4067.3	4034.2	4040.8	4088.5	4137.5
13°	3936.1	3926.9	3934.8	3986.5	4031.5
14°	3808.9	3799.7	3814.2	3861.9	3883.1
15°	3620.8	3630.1	3657.9	3687.1	3714.9
17.5°	3024.6	3060.4	3093.5	3113.4	3137.2
20°	2346.3	2305.2	2358.2	2334.4	2380.8
22.5°	1514.3	1544.8	1558.0	1544.8	1550.1
25°	822.7	828.0	847.9	847.9	826.7
27.5°	349.8	377.6	402.8	393.5	349.8
30°	166.9	192.1	223.9	193.4	166.9
32.5°	94.1	111.3	144.4	108.6	91.4
35°	55.6	62.3	94.1	59.6	53.0
37.5°	33.1	34.4	51.7	35.8	31.8
40°	18.5	22.5	27.8	22.5	18.5
42.5°	9.3	13.2	17.2	13.2	9.3
45°	4.0	6.6	10.6	6.6	4.0
47.5°	4.0	4.0	6.6	4.0	4.0
50°	2.6	2.6	4.0	2.6	2.6
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	2.6
60°	2.6	2.6	2.6	2.6	2.6
62.5°	2.6	2.6	2.6	2.6	2.6
65°	1.3	2.6	2.6	2.6	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0
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)