

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: P1309583

Luminaire Tested: LDSQA3D20R409030D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

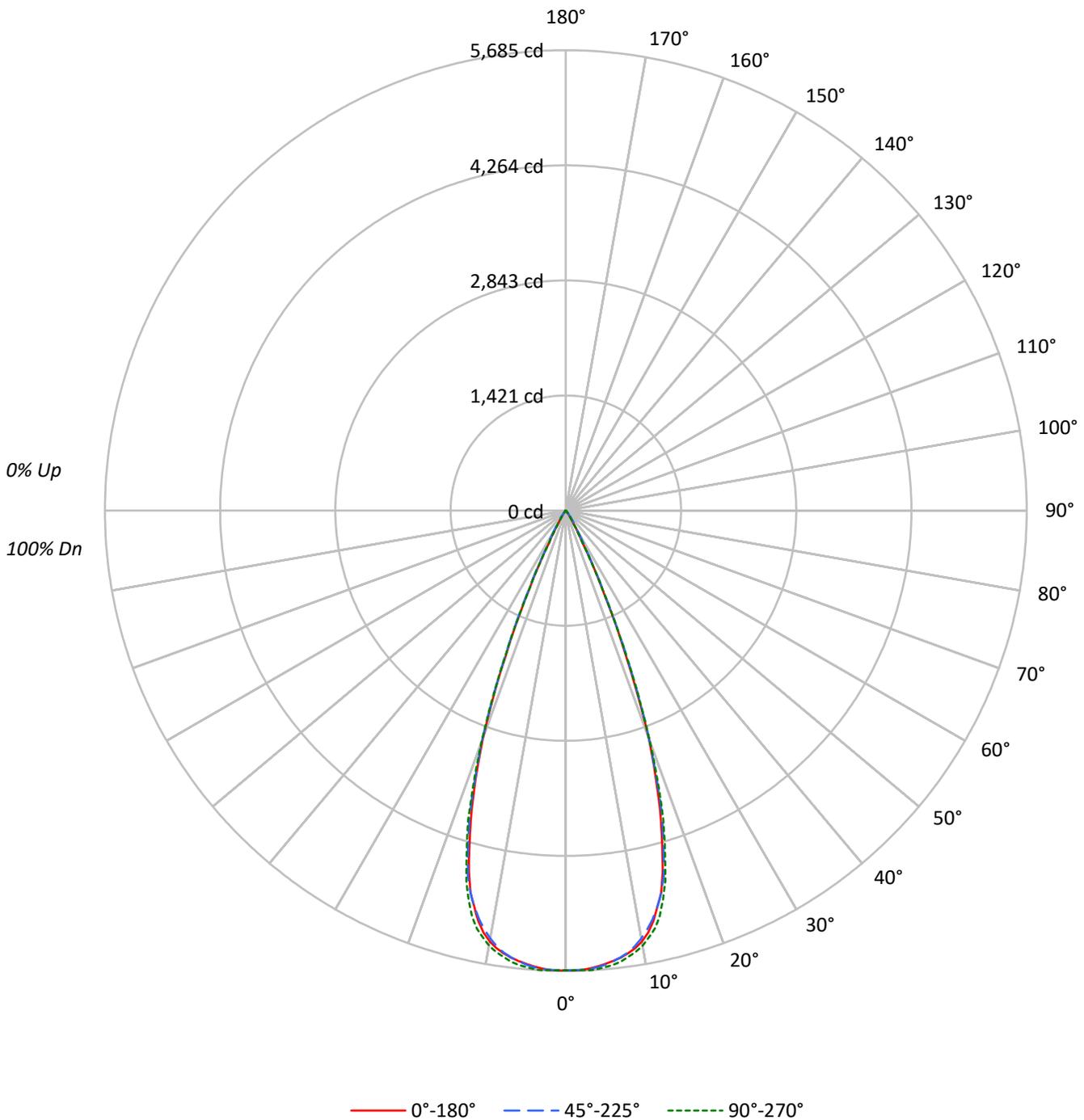
Test Method: LM-79-2019  
Report Number: P1309583  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R409030D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2403.0 lumens  
Efficiency: N/A  
Efficacy: 83.4 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): 28.8  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88		
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	85		
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82		
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79		
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76		
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	73		
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	71		
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	68		

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

	0°	45°	90°
0°	977846	977846	977846
5°	971346	972816	978071
10°	945049	937966	953618
15°	823434	831867	844829
20°	548489	551274	556534
25°	199414	205514	200364
30°	42338	56796	42338
35°	14927	25229	14213
40°	5328	7981	5328
45°	1242	3288	1242
50°	911	1366	911
55°	1021	1021	1021
60°	1171	1171	1171
65°	693	1386	693
70°	856	856	856
75°	1131	1131	1131
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3288 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	530.5	22.1
10°-20°	1236.4	51.5
20°-30°	556.4	23.2
30°-40°	63.3	2.6
40°-50°	9.1	0.4
50°-60°	3.1	0.1
60°-70°	2.6	0.1
70°-80°	1.6	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°	2323.4	96.7
0°-40°	2386.7	99.3
0°-60°	2398.9	99.8
0°-90°	2403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2403.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5678	5678	5678	5678	5678	
5°	5619	5612	5627	5652	5658	530
15°	4618	4630	4666	4703	4738	1226
25°	1049	1056	1082	1082	1054	543
35°	71	79	120	76	68	53
45°	5	8	14	8	5	7
55°	3	3	3	3	3	3
65°	2	3	3	3	2	2
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5677.8	5677.8	5677.8	5677.8	5677.8
1°	5681.2	5676.1	5674.4	5684.6	5676.1
2°	5676.1	5672.7	5674.4	5684.6	5677.8
3°	5660.9	5662.6	5667.7	5686.2	5684.6
4°	5642.3	5640.6	5650.8	5674.4	5674.4
5°	5618.6	5611.9	5627.1	5652.4	5657.5
6°	5591.6	5583.2	5595.0	5627.1	5638.9
7°	5561.2	5544.3	5554.4	5593.3	5608.5
8°	5520.6	5498.7	5510.5	5549.4	5561.2
9°	5469.9	5436.1	5446.3	5493.6	5517.3
10°	5404.0	5361.8	5363.5	5415.9	5453.0
11°	5311.1	5263.8	5265.5	5331.4	5370.2
12°	5187.7	5145.5	5153.9	5214.8	5277.3
13°	5020.5	5008.6	5018.8	5084.7	5142.1
14°	4858.2	4846.4	4865.0	4925.8	4952.9
15°	4618.3	4630.1	4665.6	4702.8	4738.3
17.5°	3857.9	3903.5	3945.7	3971.1	4001.5
20°	2992.7	2940.3	3007.9	2977.5	3036.6
22.5°	1931.5	1970.3	1987.2	1970.3	1977.1
25°	1049.4	1056.1	1081.5	1081.5	1054.4
27.5°	446.1	481.6	513.7	501.9	446.1
30°	212.9	245.0	285.6	246.7	212.9
32.5°	120.0	141.9	184.2	138.6	116.6
35°	71.0	79.4	120.0	76.0	67.6
37.5°	42.2	43.9	65.9	45.6	40.6
40°	23.7	28.7	35.5	28.7	23.7
42.5°	11.8	16.9	22.0	16.9	11.8
45°	5.1	8.4	13.5	8.4	5.1
47.5°	5.1	5.1	8.4	5.1	5.1
50°	3.4	3.4	5.1	3.4	3.4
52.5°	3.4	3.4	3.4	3.4	3.4
55°	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	3.4
60°	3.4	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	3.4	3.4	3.4
65°	1.7	3.4	3.4	3.4	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
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)