

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: P1309581

Luminaire Tested: LDSQA3D20R409030D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

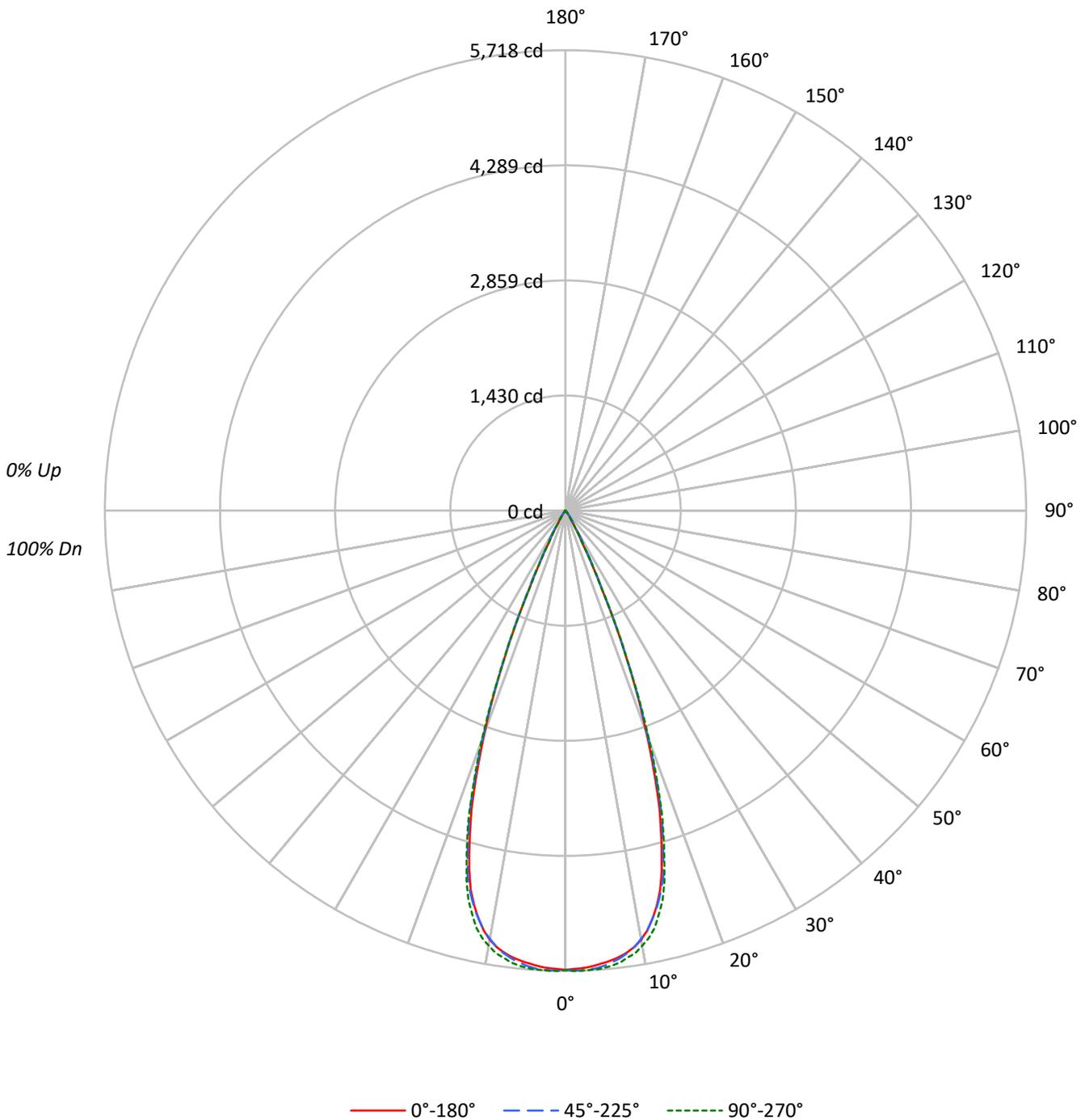
Test Method: LM-79-2019  
Report Number: P1309581  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R409030D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2399.0 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 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 (Ain): 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	100	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89	89	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85	85	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82	82	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79	79	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76	76	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73	73	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71	71	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69	69	69

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

	0°	45°	90°
0°	982513	982513	982513
5°	973991	980129	984796
10°	946255	944489	959266
15°	823202	836449	846684
20°	540278	550798	557927
25°	192611	203842	191642
30°	42000	56776	42338
35°	13498	23442	13140
40°	4182	7217	3799
45°	414	2460	414
50°	0	455	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2460 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	533.5	22.2
10°-20°	1242.5	51.8
20°-30°	557.2	23.2
30°-40°	60.2	2.5
40°-50°	5.6	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	2333.2	97.3
0°-40°	2393.4	99.8
0°-60°	2399.0	100.0
0°-90°	2399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2399.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5705	5705	5705	5705	5705	
5°	5634	5649	5669	5678	5696	532
15°	4617	4651	4691	4718	4749	1227
25°	1014	1044	1073	1091	1008	541
35°	64	74	112	73	62	50
45°	2	3	10	3	2	3
55°	0	0	0	0	0	0
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°	5704.9	5704.9	5704.9	5704.9	5704.9
1°	5693.1	5704.9	5715.0	5706.6	5718.4
2°	5688.0	5701.5	5716.7	5708.3	5718.4
3°	5674.5	5691.4	5708.3	5703.2	5713.3
4°	5655.9	5669.4	5694.8	5694.8	5710.0
5°	5633.9	5649.1	5669.4	5677.9	5696.4
6°	5610.3	5618.7	5633.9	5650.8	5676.2
7°	5579.9	5579.9	5598.5	5615.4	5649.1
8°	5537.6	5534.3	5547.8	5569.7	5600.1
9°	5485.3	5473.4	5483.6	5515.7	5561.3
10°	5410.9	5400.8	5400.8	5441.4	5485.3
11°	5314.7	5311.3	5313.0	5351.8	5410.9
12°	5184.6	5188.0	5188.0	5231.9	5304.5
13°	5037.6	5035.9	5051.1	5100.1	5149.1
14°	4858.5	4868.7	4883.9	4927.8	4978.5
15°	4617.0	4650.7	4691.3	4718.3	4748.7
17.5°	3882.1	3915.9	3971.6	3993.6	4000.3
20°	2947.9	2996.9	3005.3	3049.3	3044.2
22.5°	1976.5	1973.1	1979.9	1985.0	1986.7
25°	1013.6	1044.0	1072.7	1091.3	1008.5
27.5°	440.9	493.3	530.5	481.5	446.0
30°	211.2	239.9	285.5	241.6	212.9
32.5°	114.9	133.5	180.8	131.8	113.2
35°	64.2	74.3	111.5	72.6	62.5
37.5°	37.2	40.5	60.8	40.5	35.5
40°	18.6	23.7	32.1	23.7	16.9
42.5°	6.8	11.8	16.9	11.8	6.8
45°	1.7	3.4	10.1	3.4	1.7
47.5°	0.0	0.0	5.1	0.0	0.0
50°	0.0	0.0	1.7	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)