

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: P1320441

Luminaire Tested: LDSQA3D20R459840D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320441  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R459840D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

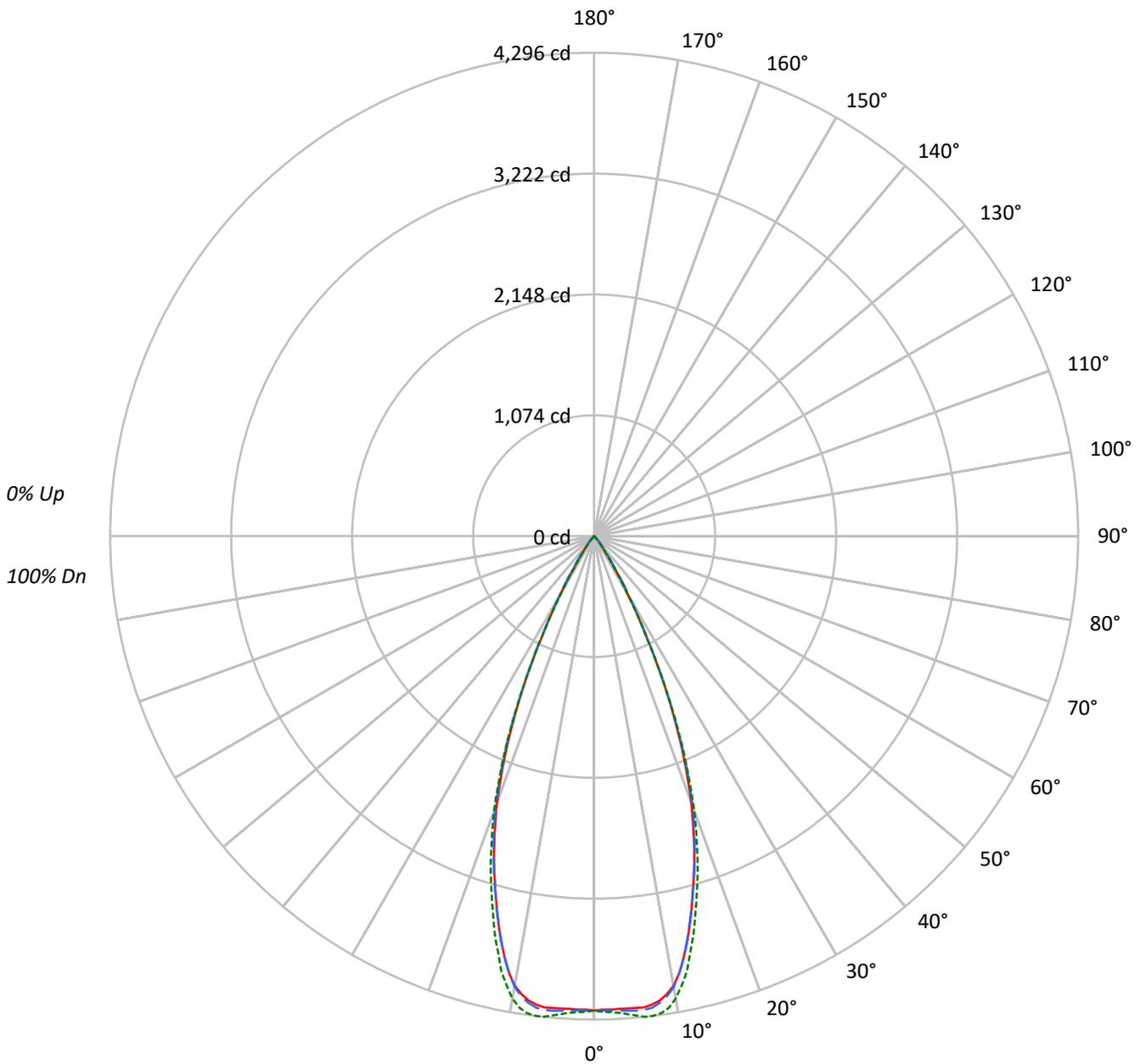
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2180.0 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

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

	0°	45°	90°
0°	726177	726177	726177
5°	727827	732028	739323
10°	709608	711025	729719
15°	598653	598956	618605
20°	462129	468654	476388
25°	286693	286997	288841
30°	118265	125683	116336
35°	36793	44971	35426
40°	11286	15670	10567
45°	779	5918	779
50°	0	857	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: 5918 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	401.3	18.4
10°-20°	933.1	42.8
20°-30°	684.5	31.4
30°-40°	147.1	6.7
40°-50°	14.0	0.6
50°-60°	0.1	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°	2018.8	92.6
0°-40°	2165.9	99.4
0°-60°	2180.0	100.0
0°-90°	2180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2180.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4216	4216	4216	4216	4216	
5°	4210	4221	4234	4264	4276	398
15°	3358	3351	3359	3413	3470	925
25°	1509	1504	1510	1510	1520	677
35°	175	188	214	183	168	138
45°	3	10	24	10	3	8
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°	4216.5	4216.5	4216.5	4216.5	4216.5
1°	4208.4	4218.1	4218.1	4224.6	4227.8
2°	4211.6	4218.1	4216.5	4227.8	4232.7
3°	4206.8	4218.1	4221.4	4234.3	4242.4
4°	4208.4	4218.1	4227.8	4247.3	4258.6
5°	4210.0	4221.4	4234.3	4263.5	4276.5
6°	4211.6	4219.7	4234.3	4271.6	4295.9
7°	4195.4	4206.8	4223.0	4270.0	4295.9
8°	4169.5	4176.0	4189.0	4250.5	4281.3
9°	4120.9	4119.3	4138.7	4206.8	4242.4
10°	4057.7	4038.2	4065.8	4133.9	4172.7
11°	3955.6	3934.5	3958.8	4031.8	4069.0
12°	3822.7	3822.7	3827.6	3892.4	3957.2
13°	3681.7	3665.5	3675.3	3748.2	3793.6
14°	3526.2	3510.0	3519.7	3574.8	3646.1
15°	3357.6	3351.2	3359.3	3412.7	3469.5
17.5°	2957.4	2942.8	2972.0	3025.4	3054.6
20°	2521.5	2545.8	2557.1	2591.2	2599.3
22.5°	2020.7	2046.7	2062.9	2067.7	2072.6
25°	1508.7	1503.8	1510.3	1510.3	1520.0
27.5°	991.7	991.7	1009.6	998.2	986.9
30°	594.7	619.0	632.0	610.9	585.0
32.5°	324.1	348.4	369.5	338.7	316.0
35°	175.0	188.0	213.9	183.1	168.5
37.5°	95.6	107.0	123.2	103.7	95.6
40°	50.2	61.6	69.7	61.6	47.0
42.5°	16.2	30.8	40.5	30.8	14.6
45°	3.2	9.7	24.3	9.7	3.2
47.5°	0.0	1.6	11.3	1.6	0.0
50°	0.0	0.0	3.2	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)