

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: P1315890

Luminaire Tested: LDSQA3D20R209735D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315890  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R209735D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

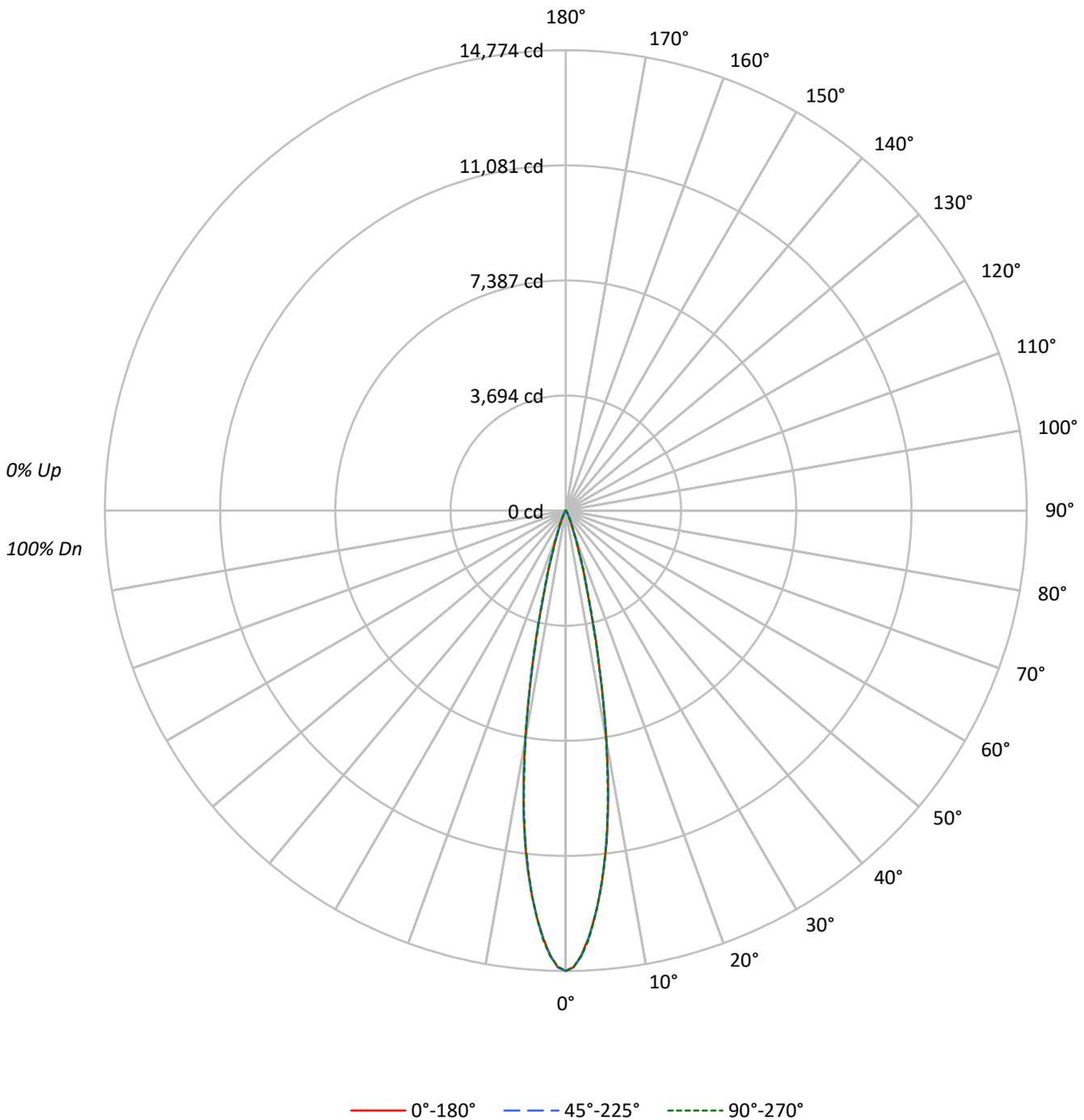
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2036.1 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
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	102	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	81

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

	0°	45°	90°
0°	2544486	2544486	2544486
5°	2144617	2145430	2144341
10°	1306892	1300823	1303849
15°	460348	462309	476626
20°	144641	148691	145502
25°	54177	59269	55678
30°	20980	29770	21935
35°	7947	13245	8620
40°	4249	5665	4249
45°	1534	2679	1924
50°	857	1259	857
55°	961	961	961
60°	551	551	551
65°	652	652	652
70°	806	806	806
75°	0	0	1065
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2679 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1025.6	50.4
10°-20°	804.2	39.5
20°-30°	157.9	7.8
30°-40°	35.4	1.7
40°-50°	8.1	0.4
50°-60°	2.6	0.1
60°-70°	1.6	0.1
70°-80°	0.7	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°	1987.7	97.6
0°-40°	2023.2	99.4
0°-60°	2033.8	99.9
0°-90°	2036.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2036.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	14774	14774	14774	14774	14774	
5°	12405	12416	12410	12452	12404	1028
15°	2582	2593	2593	2650	2673	803
25°	285	304	312	307	293	150
35°	38	46	63	46	41	28
45°	6	10	11	10	8	6
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	0	0	0	0	2	1
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°	14774.4	14774.4	14774.4	14774.4	14774.4
1°	14654.7	14623.2	14659.4	14631.1	14637.4
2°	14275.0	14257.7	14305.0	14275.0	14290.8
3°	13747.3	13725.3	13759.9	13761.5	13805.6
4°	13117.2	13074.7	13126.7	13128.3	13136.1
5°	12405.2	12416.2	12409.9	12452.5	12403.6
6°	11605.0	11641.2	11593.9	11617.6	11549.8
7°	10710.2	10664.5	10640.9	10648.8	10696.0
8°	9722.5	9691.0	9725.7	9676.8	9643.8
9°	8624.6	8569.4	8607.2	8560.0	8512.7
10°	7473.1	7447.9	7438.4	7384.8	7455.7
11°	6318.4	6242.8	6280.6	6253.8	6331.0
12°	5237.8	5244.1	5170.0	5193.6	5203.1
13°	4262.7	4161.8	4174.5	4239.0	4250.1
14°	3306.5	3320.7	3325.4	3371.1	3397.8
15°	2581.9	2592.9	2592.9	2649.6	2673.2
17.5°	1384.7	1384.7	1414.6	1420.9	1424.0
20°	789.2	793.9	811.3	809.7	793.9
22.5°	472.6	482.0	491.5	482.0	472.6
25°	285.1	304.0	311.9	307.2	293.0
27.5°	170.1	190.6	212.7	195.3	168.6
30°	105.5	116.6	149.7	119.7	110.3
32.5°	58.3	75.6	102.4	78.8	59.9
35°	37.8	45.7	63.0	45.7	41.0
37.5°	26.8	31.5	39.4	33.1	28.4
40°	18.9	22.1	25.2	23.6	18.9
42.5°	12.6	15.8	17.3	15.8	12.6
45°	6.3	9.5	11.0	9.5	7.9
47.5°	3.2	4.7	7.9	4.7	3.2
50°	3.2	3.2	4.7	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	1.6	3.2	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	1.6
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)