

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: P1320417

Luminaire Tested: LDSQA3D20R359840D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320417  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359840D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

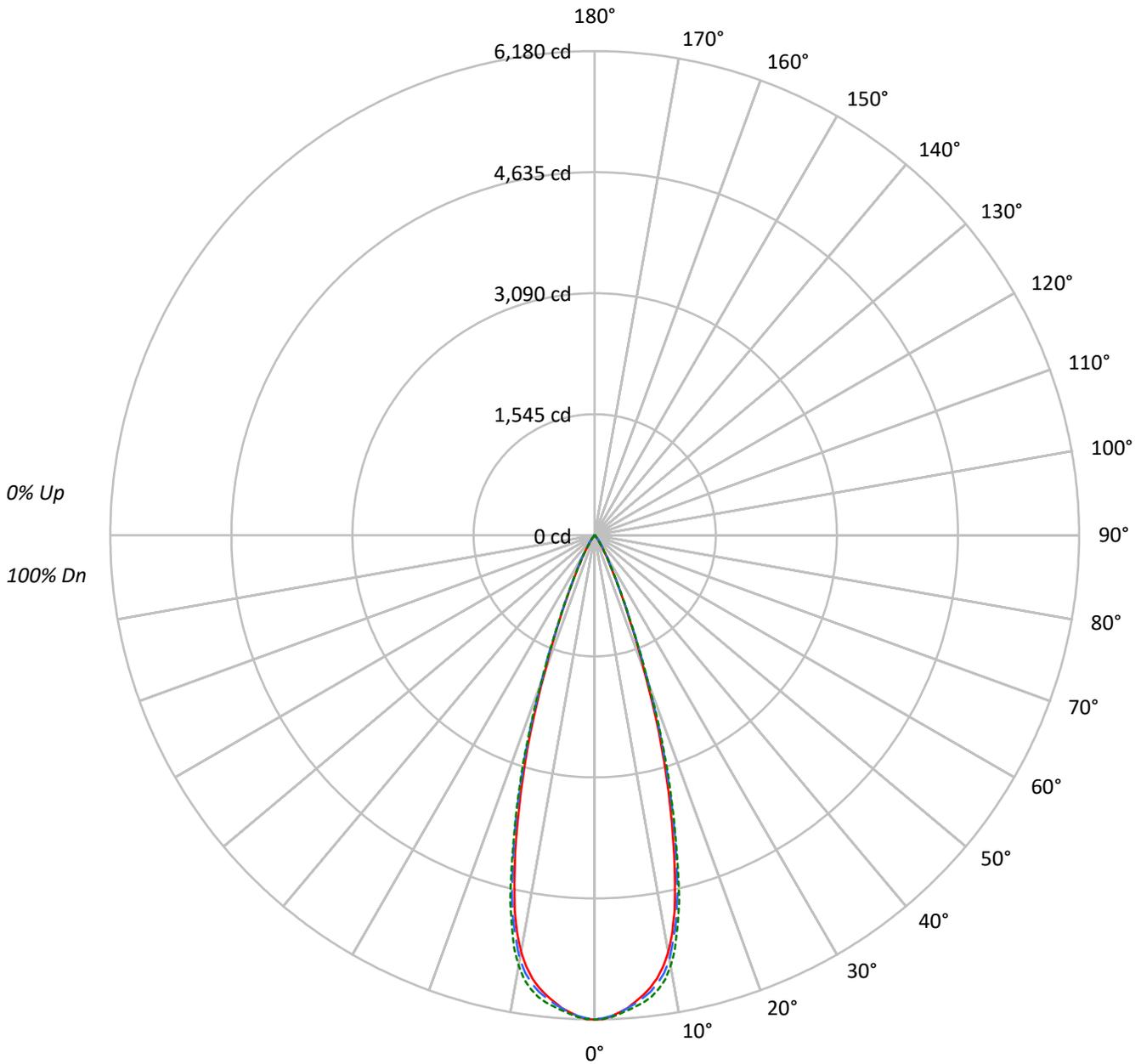
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2076.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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 (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



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



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CATALOG NUMBER: LDSQA3D20R359840D010 3LSQCDR1MW

**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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93		
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89		
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86		
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83		
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80		
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77		
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75		
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	72		
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	70		

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

	0°	45°	90°
0°	1064388	1064388	1064388
5°	1032875	1036522	1043524
10°	944821	961242	975985
15°	678192	703047	710268
20°	341149	361034	361932
25°	129294	133304	133912
30°	52520	60236	51546
35°	19069	28951	18396
40°	8004	12388	7644
45°	1973	5139	1973
50°	1313	2170	1313
55°	1471	1471	1471
60°	1688	1688	1688
65°	1304	1304	1304
70°	806	806	806
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 5139 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	558.8	26.9
10°-20°	1041.0	50.1
20°-30°	374.4	18.0
30°-40°	78.7	3.8
40°-50°	13.6	0.7
50°-60°	4.5	0.2
60°-70°	3.2	0.2
70°-80°	1.7	0.1
80°-90°	0.3	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°	1974.2	95.1
0°-40°	2052.8	98.9
0°-60°	2070.8	99.8
0°-90°	2076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2076.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6180	6180	6180	6180	6180	
5°	5974	5986	5996	6036	6036	554
15°	3804	3870	3943	3985	3984	1012
25°	680	690	702	708	705	362
35°	91	107	138	105	88	69
45°	8	13	21	13	8	10
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P1320417  
 CATALOG NUMBER: LDSQA3D20R359840D010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6180.3	6180.3	6180.3	6180.3	6180.3
1°	6177.0	6177.0	6164.1	6178.7	6173.8
2°	6143.0	6146.3	6138.2	6156.0	6154.4
3°	6096.0	6104.1	6097.7	6123.6	6115.5
4°	6045.8	6052.3	6049.1	6081.5	6078.2
5°	5974.5	5985.9	5995.6	6036.1	6036.1
6°	5901.6	5913.0	5934.0	5977.8	5992.4
7°	5817.4	5832.0	5866.0	5924.3	5934.0
8°	5710.5	5726.7	5773.7	5836.8	5849.8
9°	5577.6	5601.9	5655.4	5731.5	5739.6
10°	5402.7	5422.1	5496.6	5559.8	5580.9
11°	5175.9	5192.1	5258.5	5360.6	5373.5
12°	4900.5	4919.9	5005.8	5072.2	5085.2
13°	4552.2	4589.4	4693.1	4757.9	4793.6
14°	4194.2	4244.4	4318.9	4411.2	4388.6
15°	3803.7	3870.2	3943.1	3985.2	3983.6
17.5°	2846.3	2885.2	2950.0	2974.3	3006.7
20°	1861.4	1911.6	1969.9	1992.6	1974.8
22.5°	1155.1	1168.0	1185.8	1195.6	1192.3
25°	680.4	690.1	701.5	707.9	704.7
27.5°	409.9	432.5	448.7	429.3	418.0
30°	264.1	273.8	302.9	277.0	259.2
32.5°	157.1	179.8	204.1	173.3	150.7
35°	90.7	106.9	137.7	105.3	87.5
37.5°	58.3	66.4	89.1	64.8	56.7
40°	35.6	45.4	55.1	42.1	34.0
42.5°	17.8	27.5	32.4	24.3	17.8
45°	8.1	13.0	21.1	13.0	8.1
47.5°	4.9	6.5	13.0	6.5	4.9
50°	4.9	4.9	8.1	4.9	4.9
52.5°	4.9	4.9	4.9	4.9	4.9
55°	4.9	4.9	4.9	4.9	4.9
57.5°	4.9	4.9	4.9	4.9	4.9
60°	4.9	4.9	4.9	4.9	4.9
62.5°	3.2	3.2	3.2	3.2	3.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	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)