

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: P1312976

Luminaire Tested: LDSQA3D24R209050D010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312976  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R209050D010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

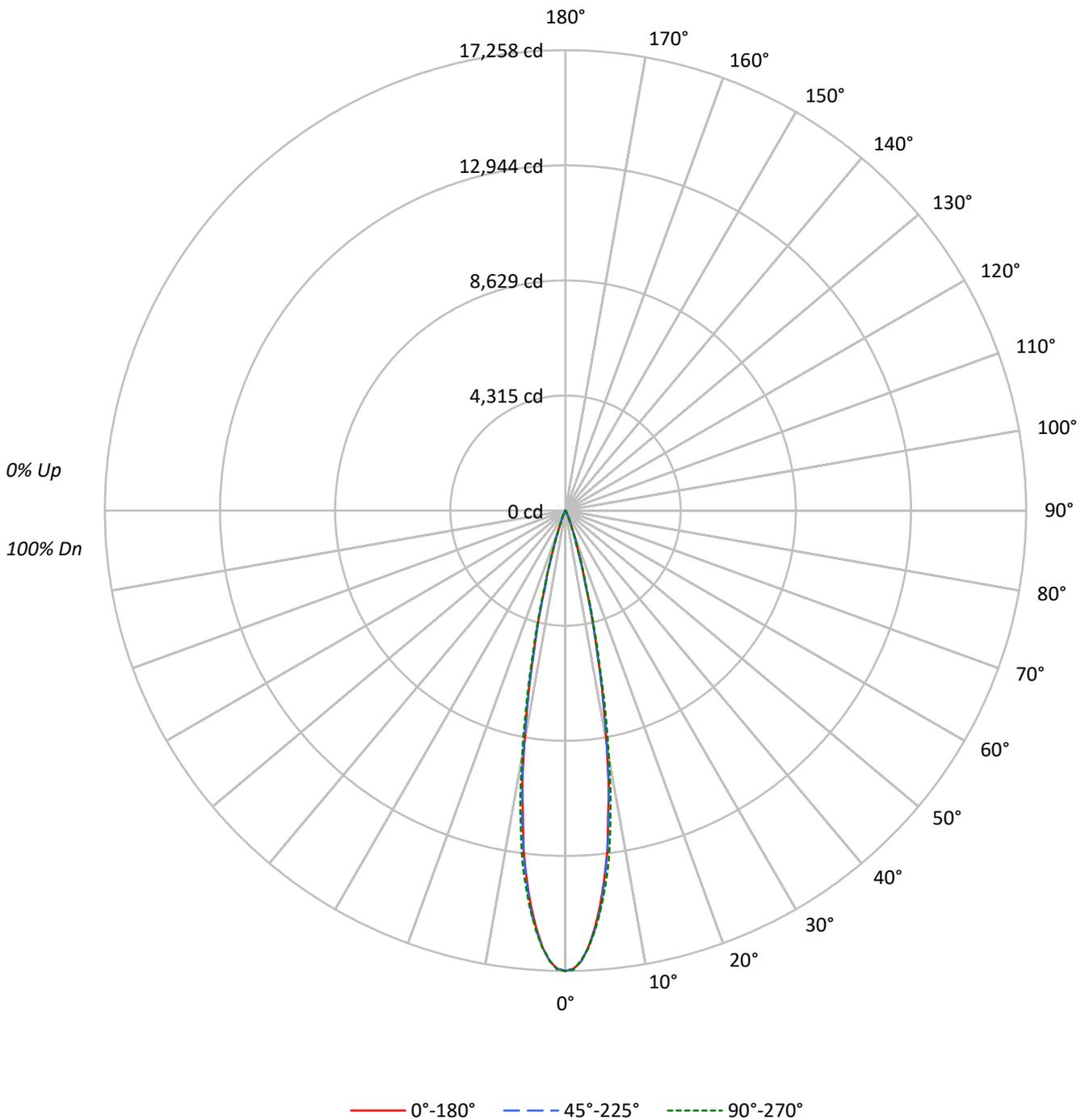
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2318.0 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 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 (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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	84	83

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

	0°	45°	90°
0°	2972253	2972253	2972253
5°	2567673	2591600	2601229
10°	1545707	1560152	1637799
15°	534644	522110	563725
20°	140426	132087	132472
25°	30613	36884	41996
30°	13145	13145	13543
35°	7380	6518	6938
40°	3260	3710	4182
45°	999	1510	1510
50°	563	563	563
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: 22.5°  
 Vertical Angle: 45°  
 Luminance: 1510 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1234.4	53.3
10°-20°	939.8	40.5
20°-30°	116.2	5.0
30°-40°	22.0	0.9
40°-50°	5.3	0.2
50°-60°	0.3	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°	2290.4	98.8
0°-40°	2312.4	99.8
0°-60°	2318.0	100.0
0°-90°	2318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2318.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17258	17258	17258	17258	17258	
5°	14852	14842	14991	14980	15046	1225
15°	2999	2891	2928	3104	3162	939
25°	161	184	194	202	221	111
35°	35	35	31	33	33	23
45°	4	6	6	6	6	4
55°	0	0	0	0	0	1
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°	17258.2	17258.2	17258.2	17258.2	17258.2
1°	17177.7	17157.0	17173.5	17138.4	17210.7
2°	16903.0	16882.3	16882.3	16861.7	16872.0
3°	16390.8	16423.9	16403.2	16359.9	16415.6
4°	15692.8	15730.0	15763.0	15765.1	15773.4
5°	14852.3	14842.0	14990.7	14980.4	15046.4
6°	13894.1	13881.7	13945.7	14053.1	14185.3
7°	12840.9	12690.1	12861.6	13078.4	13256.0
8°	11477.9	11517.2	11634.9	11890.9	12033.4
9°	10321.5	10092.2	10342.1	10647.7	10802.6
10°	8838.7	8652.8	8921.3	9243.5	9365.3
12.5°	5563.4	5402.3	5489.1	5827.8	5881.5
15°	2998.6	2891.2	2928.3	3103.9	3161.7
17.5°	1530.3	1433.2	1412.5	1524.1	1536.4
20°	766.2	743.4	720.7	731.1	722.8
22.5°	355.2	386.2	382.0	361.4	386.2
25°	161.1	183.8	194.1	202.4	221.0
27.5°	99.1	95.0	109.5	117.7	119.8
30°	66.1	64.0	66.1	68.1	68.1
32.5°	47.5	45.4	43.4	43.4	45.4
35°	35.1	35.1	31.0	33.0	33.0
37.5°	24.8	24.8	22.7	24.8	24.8
40°	14.5	16.5	16.5	16.5	18.6
42.5°	8.3	10.3	10.3	10.3	10.3
45°	4.1	6.2	6.2	6.2	6.2
47.5°	2.1	2.1	2.1	4.1	4.1
50°	2.1	2.1	2.1	2.1	2.1
52.5°	2.1	0.0	0.0	0.0	2.1
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)