

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: P1314954

Luminaire Tested: LDSQA3D20R309730D010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314954  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R309730D010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

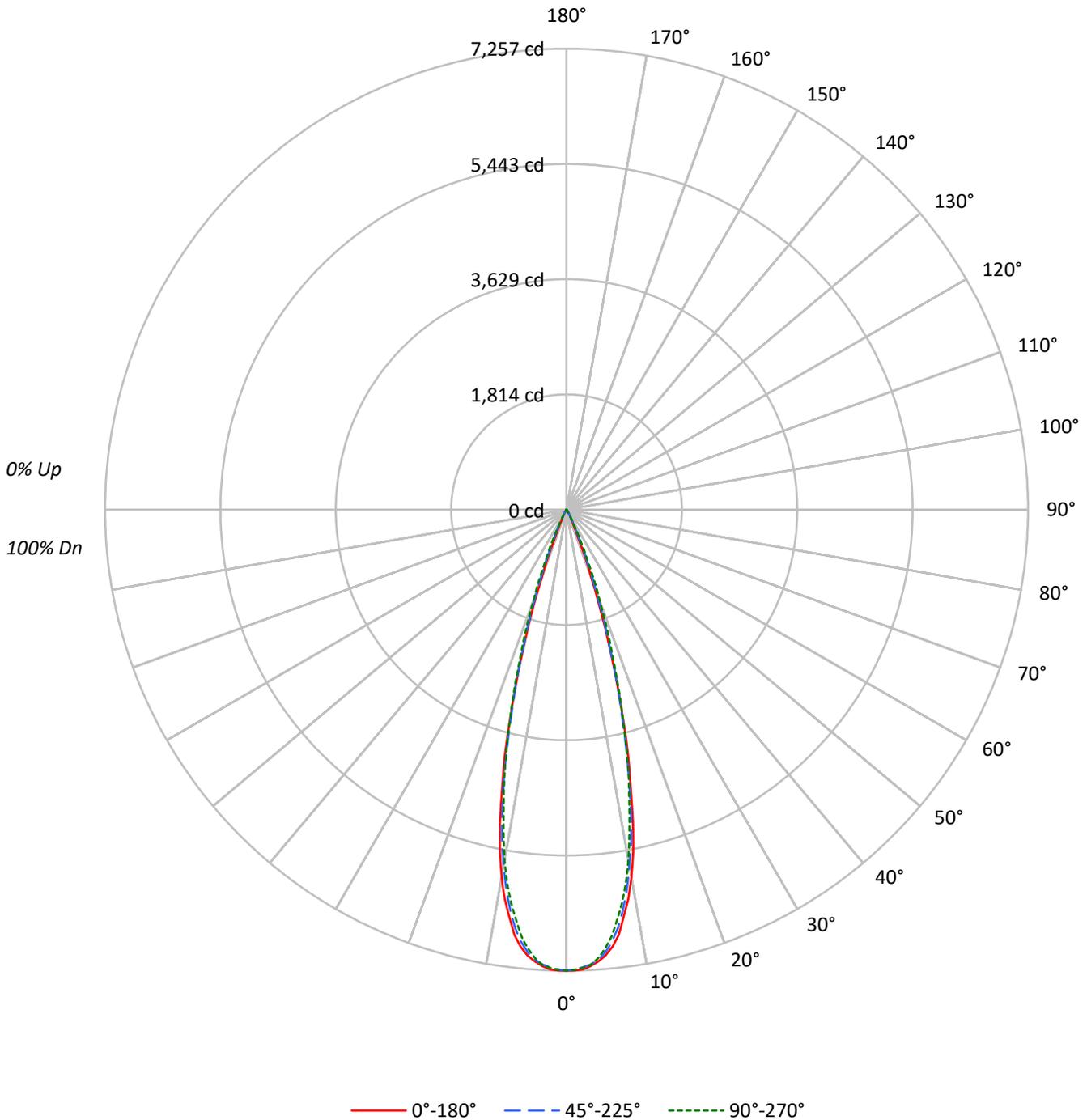
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1758.0 lumens  
Efficiency: N/A  
Efficacy: 61.0 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
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	100	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76

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

	0°	45°	90°
0°	1249527	1249527	1249527
5°	1217355	1208971	1199013
10°	1027347	995799	979640
15°	619104	601809	612899
20°	209997	242492	279715
25°	38594	60485	71431
30°	13264	14776	16585
35°	3826	4773	5109
40°	1012	1709	1371
45°	365	365	365
50°	402	0	402
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: 0°  
 Vertical Angle: 52.5°  
 Luminance: 424 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	627.4	35.7
10°-20°	916.9	52.2
20°-30°	194.0	11.0
30°-40°	17.9	1.0
40°-50°	1.7	0.1
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°	1738.3	98.9
0°-40°	1756.2	99.9
0°-60°	1758.0	100.0
0°-90°	1758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1758.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7255	7255	7255	7255	7255	
5°	7042	7028	6993	6972	6936	636
15°	3472	3460	3375	3454	3438	916
25°	203	227	318	374	376	148
35°	18	23	23	27	24	15
45°	2	2	2	2	2	1
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°	7255.3	7255.3	7255.3	7255.3	7255.3
1°	7256.9	7249.3	7238.7	7253.8	7243.2
2°	7241.7	7223.5	7208.4	7223.5	7219.0
3°	7196.2	7181.1	7170.5	7178.0	7178.0
4°	7128.0	7111.4	7102.3	7103.8	7081.0
5°	7041.6	7028.0	6993.1	6971.9	6935.5
6°	6914.3	6881.0	6838.5	6803.7	6756.7
7°	6741.5	6690.0	6629.4	6568.8	6509.6
8°	6464.2	6439.9	6358.1	6317.2	6258.0
9°	6203.5	6144.4	6056.5	5989.8	5958.0
10°	5874.6	5786.7	5694.2	5641.2	5601.8
11°	5485.1	5395.7	5321.4	5244.1	5183.5
12°	5027.4	4951.6	4866.7	4815.2	4743.9
13°	4484.8	4474.1	4378.7	4362.0	4352.9
14°	4019.5	3977.0	3883.1	3908.8	3914.9
15°	3472.3	3460.2	3375.3	3454.1	3437.5
17.5°	2174.9	2179.5	2232.5	2356.8	2396.2
20°	1145.8	1180.7	1323.1	1473.2	1526.2
22.5°	463.8	541.1	686.6	788.1	856.3
25°	203.1	227.3	318.3	374.4	375.9
27.5°	115.2	116.7	153.1	159.1	162.2
30°	66.7	68.2	74.3	78.8	83.4
32.5°	36.4	39.4	40.9	47.0	47.0
35°	18.2	22.7	22.7	27.3	24.3
37.5°	10.6	12.1	13.6	13.6	12.1
40°	4.5	6.1	7.6	7.6	6.1
42.5°	1.5	3.0	3.0	3.0	4.5
45°	1.5	1.5	1.5	1.5	1.5
47.5°	1.5	1.5	0.0	1.5	1.5
50°	1.5	0.0	0.0	0.0	1.5
52.5°	1.5	0.0	0.0	0.0	1.5
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)