

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: P1308386

Luminaire Tested: LDSQA3D20R159027D010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308386  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R159027D010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

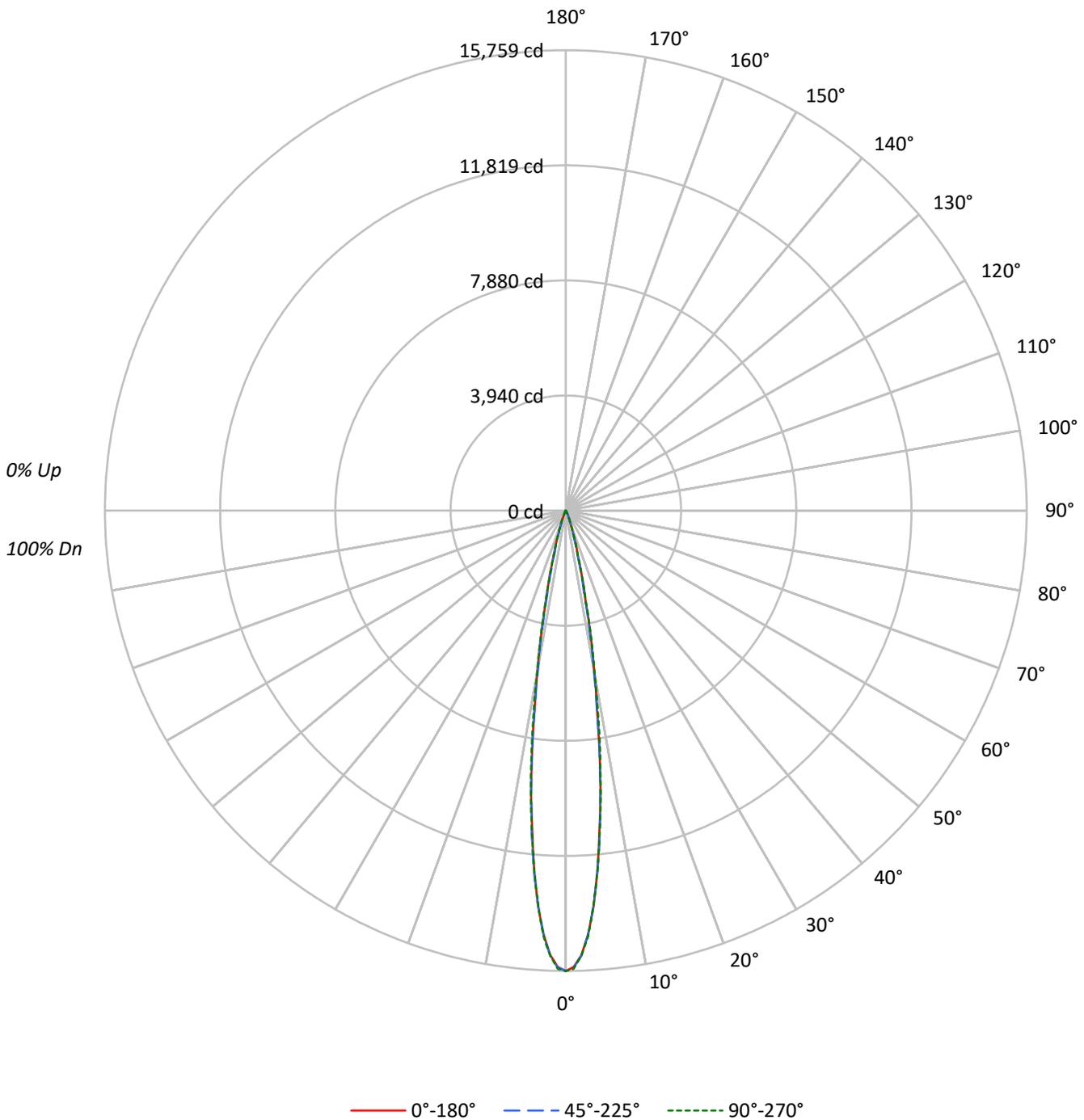
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1578.0 lumens  
Efficiency: N/A  
Efficacy: 54.8 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
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	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	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

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

	0°	45°	90°
0°	2714125	2714125	2714125
5°	2140918	2146640	2138999
10°	979482	953810	1000171
15°	291232	259994	285312
20°	86488	83885	90813
25°	24589	31791	28485
30°	8790	9406	8472
35°	3322	2985	2985
40°	1416	719	1057
45°	779	390	779
50°	429	0	429
55°	480	0	480
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: 47.5°  
 Luminance: 816 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	952.2	60.3
10°-20°	528.6	33.5
20°-30°	84.1	5.3
30°-40°	11.0	0.7
40°-50°	1.7	0.1
50°-60°	0.4	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°	1565.0	99.2
0°-40°	1576.0	99.9
0°-60°	1578.0	100.0
0°-90°	1578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1578.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15759	15759	15759	15759	15759	
5°	12384	12488	12417	12364	12373	950
15°	1633	1612	1458	1549	1600	539
25°	129	145	167	166	150	79
35°	16	16	14	16	14	12
45°	3	2	2	2	3	3
55°	2	0	0	0	2	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	15759.4	15759.4	15759.4	15759.4	15759.4	15759.4	15759.4	15759.4	15759.4	15759.4	15759.4
1°	15623.7	15641.1	15663.2	15642.6	15623.7	15641.1	15617.4	15620.5	15601.6	15642.6	15688.4
2°	15226.0	15248.1	15235.5	15207.1	15251.3	15254.4	15205.5	15181.8	15178.7	15219.7	15235.5
3°	14522.2	14572.7	14574.2	14564.8	14550.6	14522.2	14471.7	14504.8	14459.0	14430.6	14591.6
4°	13586.3	13630.5	13682.6	13647.9	13543.7	13553.2	13586.3	13474.3	13480.6	13545.3	13550.0
5°	12383.8	12517.9	12524.2	12475.3	12393.2	12416.9	12393.2	12361.7	12372.7	12413.7	12372.7
6°	10968.2	11119.7	11007.6	11114.9	11091.3	11121.2	11129.1	11096.0	11119.7	11094.4	11086.5
7°	9745.1	9629.9	9645.7	9601.5	9648.8	9680.4	9699.3	9642.5	9688.3	9760.9	9781.4
8°	8228.5	8195.3	8162.2	8241.1	8219.0	8256.9	8280.6	8343.7	8340.5	8362.6	8435.2
9°	6784.5	6833.4	6863.4	6793.9	6853.9	6737.1	6778.2	6947.0	6902.8	6947.0	7076.4
10°	5600.9	5640.3	5596.1	5594.5	5531.4	5454.1	5449.4	5512.5	5645.0	5749.2	5719.2
12.5°	3090.0	3124.7	3129.5	3126.3	3012.7	2884.9	2908.5	2959.0	3041.1	3075.8	3132.6
15°	1633.4	1631.8	1649.2	1600.2	1540.3	1458.2	1464.5	1534.0	1595.5	1611.3	1600.2
17.5°	838.0	841.2	853.8	841.2	778.0	785.9	803.3	811.2	847.5	861.7	853.8
20°	471.9	473.4	471.9	476.6	451.4	457.7	479.8	481.3	489.2	497.1	495.5
22.5°	269.9	271.4	280.9	277.8	271.4	279.3	284.1	292.0	295.1	292.0	301.4
25°	129.4	131.0	131.0	149.9	159.4	167.3	170.4	167.3	164.1	151.5	149.9
27.5°	74.2	74.2	77.3	78.9	82.1	96.3	94.7	78.9	66.3	66.3	67.9
30°	44.2	42.6	42.6	44.2	45.8	47.3	44.2	42.6	42.6	44.2	42.6
32.5°	26.8	26.8	26.8	25.3	25.3	23.7	23.7	26.8	26.8	26.8	26.8
35°	15.8	15.8	15.8	15.8	14.2	14.2	14.2	15.8	15.8	14.2	14.2
37.5°	9.5	9.5	9.5	7.9	7.9	6.3	7.9	7.9	7.9	7.9	7.9
40°	6.3	6.3	4.7	4.7	3.2	3.2	3.2	4.7	4.7	4.7	4.7
42.5°	4.7	4.7	3.2	3.2	1.6	1.6	1.6	3.2	3.2	3.2	3.2
45°	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
47.5°	3.2	3.2	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6	1.6
50°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
52.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
55°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)