

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: P1311740

Luminaire Tested: LDSQA3D20R159040D010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311740  
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: LDSQA3D20R159040D010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

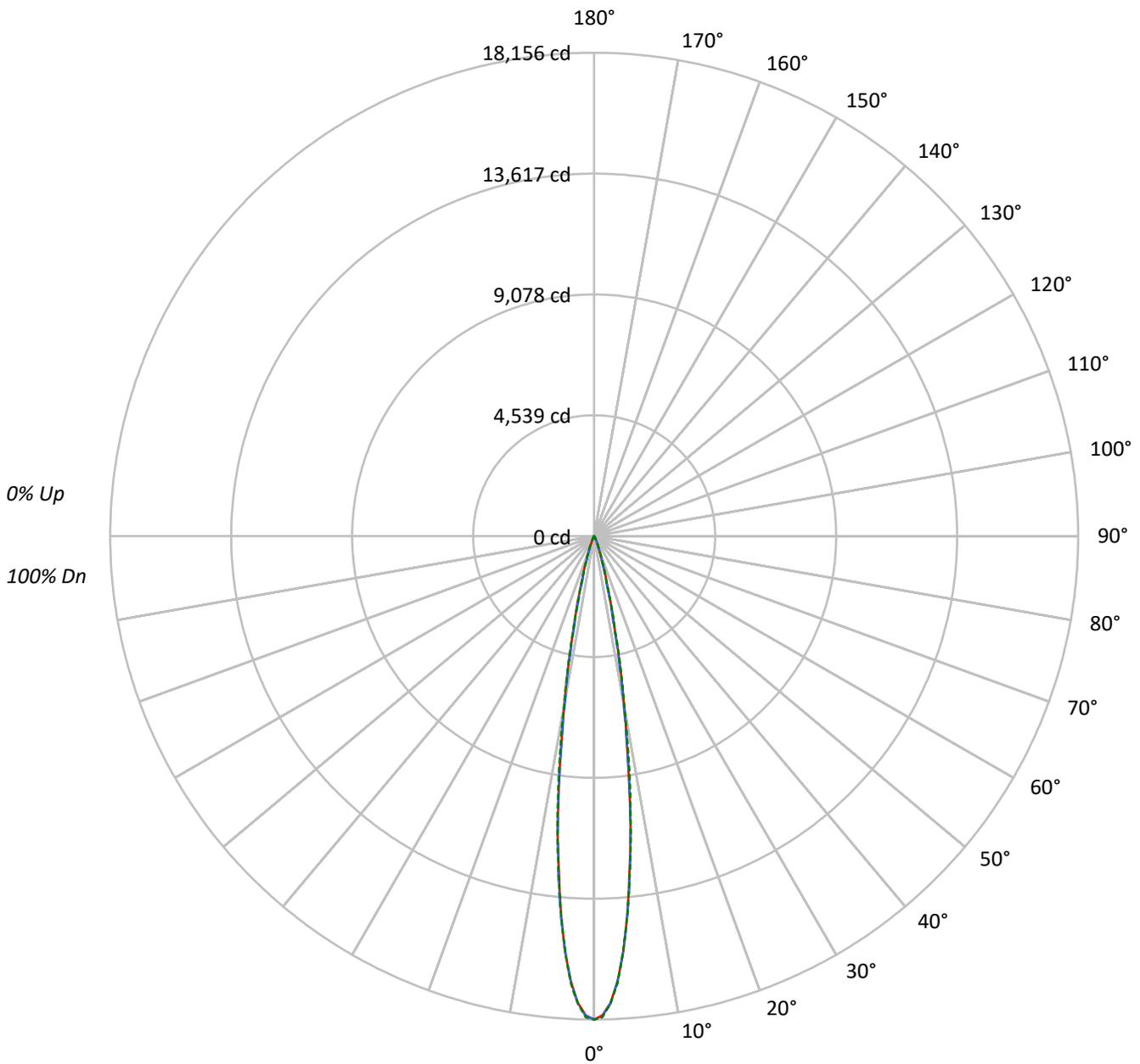
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1818.0 lumens  
Efficiency: N/A  
Efficacy: 63.1 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



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



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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°	3126926	3126926	3126926
5°	2466521	2473125	2464325
10°	1128445	1098873	1152298
15°	335521	299541	328710
20°	99629	96641	104632
25°	28333	36618	32818
30°	10122	10838	9764
35°	3826	3448	3448
40°	1641	809	1237
45°	877	438	877
50°	482	0	482
55°	540	0	540
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: 918 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1097.0	60.3
10°-20°	609.0	33.5
20°-30°	96.9	5.3
30°-40°	12.7	0.7
40°-50°	1.9	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°	1803.0	99.2
0°-40°	1815.7	99.9
0°-60°	1818.0	100.0
0°-90°	1818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1818.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18156	18156	18156	18156	18156	
5°	14267	14387	14305	14245	14254	1094
15°	1882	1858	1680	1785	1844	621
25°	149	167	193	192	173	91
35°	18	18	16	18	16	13
45°	4	2	2	2	4	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°	18156.3	18156.3	18156.3	18156.3	18156.3	18156.3	18156.3	18156.3	18156.3	18156.3	18156.3
1°	17999.9	18019.9	18045.4	18021.7	17999.9	18019.9	17992.7	17996.3	17974.5	18021.7	18074.5
2°	17541.8	17567.2	17552.7	17519.9	17570.8	17574.5	17518.1	17490.8	17487.2	17534.5	17552.7
3°	16730.8	16789.0	16790.8	16779.9	16763.6	16730.8	16672.7	16710.8	16658.1	16625.4	16810.8
4°	15652.7	15703.6	15763.6	15723.6	15603.6	15614.5	15652.7	15523.6	15530.8	15605.4	15610.8
5°	14267.2	14421.8	14429.0	14372.7	14278.1	14305.4	14278.1	14241.8	14254.5	14301.8	14254.5
6°	12636.3	12810.9	12681.8	12805.4	12778.1	12812.7	12821.8	12783.6	12810.9	12781.8	12772.7
7°	11227.2	11094.5	11112.7	11061.8	11116.3	11152.7	11174.5	11109.0	11161.8	11245.4	11269.0
8°	9480.0	9441.8	9403.6	9494.5	9469.1	9512.7	9540.0	9612.7	9609.1	9634.5	9718.1
9°	7816.3	7872.7	7907.2	7827.2	7896.3	7761.8	7809.1	8003.6	7952.7	8003.6	8152.7
10°	6452.7	6498.2	6447.2	6445.4	6372.7	6283.6	6278.2	6350.9	6503.6	6623.6	6589.1
12.5°	3560.0	3600.0	3605.4	3601.8	3470.9	3323.6	3350.9	3409.1	3503.6	3543.6	3609.1
15°	1881.8	1880.0	1900.0	1843.6	1774.5	1680.0	1687.3	1767.3	1838.2	1856.4	1843.6
17.5°	965.5	969.1	983.6	969.1	896.4	905.5	925.5	934.5	976.4	992.7	983.6
20°	543.6	545.5	543.6	549.1	520.0	527.3	552.7	554.5	563.6	572.7	570.9
22.5°	310.9	312.7	323.6	320.0	312.7	321.8	327.3	336.4	340.0	336.4	347.3
25°	149.1	150.9	150.9	172.7	183.6	192.7	196.4	192.7	189.1	174.5	172.7
27.5°	85.5	85.5	89.1	90.9	94.5	110.9	109.1	90.9	76.4	76.4	78.2
30°	50.9	49.1	49.1	50.9	52.7	54.5	50.9	49.1	49.1	50.9	49.1
32.5°	30.9	30.9	30.9	29.1	29.1	27.3	27.3	30.9	30.9	30.9	30.9
35°	18.2	18.2	18.2	18.2	16.4	16.4	16.4	18.2	18.2	16.4	16.4
37.5°	10.9	10.9	10.9	9.1	9.1	7.3	9.1	9.1	9.1	9.1	9.1
40°	7.3	7.3	5.5	5.5	3.6	3.6	3.6	5.5	5.5	5.5	5.5
42.5°	5.5	5.5	3.6	3.6	1.8	1.8	1.8	3.6	3.6	3.6	3.6
45°	3.6	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6
47.5°	3.6	3.6	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8	1.8
50°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
52.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
55°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
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	1.8	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)