

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: P1309552

Luminaire Tested: LDSQA3D20R309030D010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309552  
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: LDSQA3D20R309030D010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

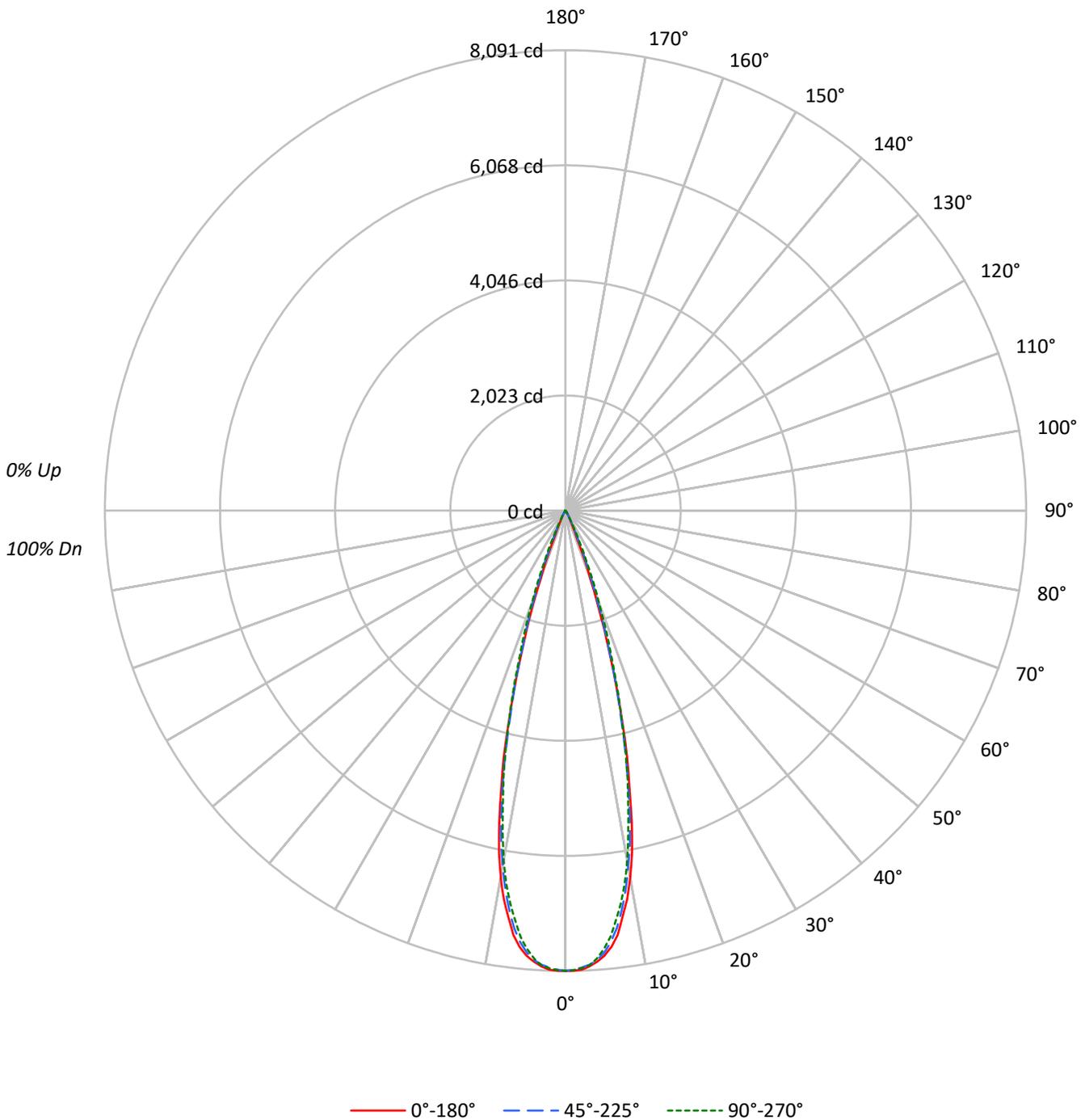
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1960.0 lumens  
Efficiency: N/A  
Efficacy: 68.1 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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

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

	0°	45°	90°
0°	1393109	1393109	1393109
5°	1357233	1347897	1336798
10°	1145390	1110222	1092192
15°	690245	670971	683309
20°	234134	270368	311862
25°	43022	67440	79640
30°	14796	16466	18475
35°	4268	5319	5677
40°	1147	1888	1529
45°	414	414	414
50°	455	0	455
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: 481 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	699.5	35.7
10°-20°	1022.3	52.2
20°-30°	216.3	11.0
30°-40°	19.9	1.0
40°-50°	1.9	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°	1938.0	98.9
0°-40°	1957.9	99.9
0°-60°	1960.0	100.0
0°-90°	1960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1960.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8089	8089	8089	8089	8089	
5°	7851	7836	7797	7773	7732	709
15°	3871	3858	3763	3851	3832	1021
25°	226	254	355	417	419	165
35°	20	25	25	30	27	17
45°	2	2	2	2	2	2
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°	8089.0	8089.0	8089.0	8089.0	8089.0
1°	8090.7	8082.2	8070.4	8087.3	8075.5
2°	8073.8	8053.5	8036.6	8053.5	8048.4
3°	8023.1	8006.2	7994.4	8002.8	8002.8
4°	7947.1	7928.5	7918.3	7920.0	7894.7
5°	7850.7	7835.5	7796.7	7773.0	7732.5
6°	7708.8	7671.6	7624.3	7585.4	7533.1
7°	7516.2	7458.7	7391.1	7323.5	7257.6
8°	7206.9	7179.9	7088.6	7043.0	6977.1
9°	6916.3	6850.4	6752.4	6678.0	6642.5
10°	6549.6	6451.6	6348.5	6289.4	6245.4
11°	6115.3	6015.6	5932.8	5846.7	5779.1
12°	5605.0	5520.5	5425.9	5368.4	5289.0
13°	5000.1	4988.2	4881.8	4863.2	4853.1
14°	4481.3	4434.0	4329.2	4358.0	4364.7
15°	3871.3	3857.8	3763.2	3851.0	3832.4
17.5°	2424.8	2429.9	2489.1	2627.6	2671.5
20°	1277.5	1316.3	1475.2	1642.5	1701.6
22.5°	517.1	603.3	765.5	878.7	954.7
25°	226.4	253.5	354.9	417.4	419.1
27.5°	128.4	130.1	170.7	177.4	180.8
30°	74.4	76.0	82.8	87.9	92.9
32.5°	40.6	43.9	45.6	52.4	52.4
35°	20.3	25.3	25.3	30.4	27.0
37.5°	11.8	13.5	15.2	15.2	13.5
40°	5.1	6.8	8.4	8.4	6.8
42.5°	1.7	3.4	3.4	3.4	5.1
45°	1.7	1.7	1.7	1.7	1.7
47.5°	1.7	1.7	0.0	1.7	1.7
50°	1.7	0.0	0.0	0.0	1.7
52.5°	1.7	0.0	0.0	0.0	1.7
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)