

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: P1313983

Luminaire Tested: LDSQA3D20R309727D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313983
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: LDSQA3D20R309727D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

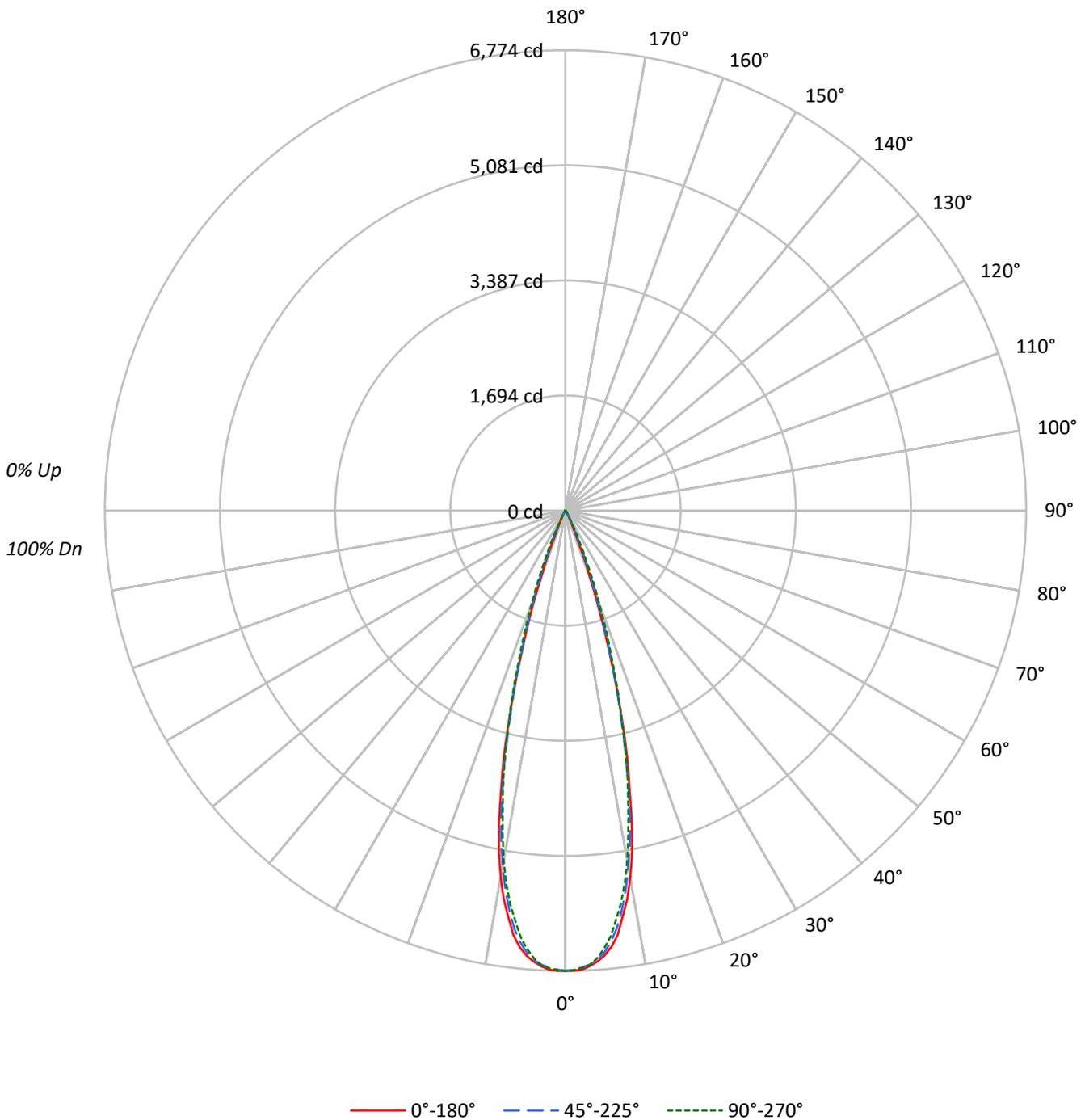
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1641.0 lumens
Efficiency: N/A
Efficacy: 57.0 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 (A_{in}): 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	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1166378	1166378	1166378
5°	1136344	1128512	1119228
10°	958969	929537	914445
15°	577899	561764	572105
20°	196031	226364	261113
25°	36029	56457	66680
30°	12369	13781	15472
35°	3574	4457	4752
40°	944	1596	1281
45°	341	341	341
50°	375	0	375
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: 396 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.6	35.7
10°-20°	855.9	52.2
20°-30°	181.1	11.0
30°-40°	16.7	1.0
40°-50°	1.6	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°	1622.6	98.9
0°-40°	1639.3	99.9
0°-60°	1641.0	100.0
0°-90°	1641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6772	6772	6772	6772	6772	
5°	6573	6560	6528	6508	6474	593
15°	3241	3230	3151	3224	3209	855
25°	190	212	297	349	351	138
35°	17	21	21	26	23	14
45°	1	1	1	1	1	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°	6772.5	6772.5	6772.5	6772.5	6772.5
1°	6773.9	6766.8	6756.9	6771.1	6761.2
2°	6759.7	6742.8	6728.6	6742.8	6738.5
3°	6717.3	6703.1	6693.2	6700.3	6700.3
4°	6653.6	6638.1	6629.6	6631.0	6609.8
5°	6573.0	6560.3	6527.7	6507.9	6474.0
6°	6454.2	6423.0	6383.4	6350.9	6307.0
7°	6292.9	6244.8	6188.2	6131.6	6076.4
8°	6034.0	6011.3	5934.9	5896.7	5841.6
9°	5790.6	5735.5	5653.4	5591.1	5561.4
10°	5483.6	5401.6	5315.3	5265.7	5229.0
11°	5120.0	5036.6	4967.2	4895.1	4838.5
12°	4692.8	4622.0	4542.8	4494.7	4428.2
13°	4186.3	4176.4	4087.3	4071.7	4063.2
14°	3752.0	3712.3	3624.6	3648.7	3654.3
15°	3241.2	3229.9	3150.7	3224.2	3208.7
17.5°	2030.2	2034.4	2083.9	2200.0	2236.7
20°	1069.6	1102.1	1235.1	1375.2	1424.7
22.5°	432.9	505.1	640.9	735.7	799.3
25°	189.6	212.2	297.1	349.4	350.9
27.5°	107.5	108.9	142.9	148.6	151.4
30°	62.2	63.7	69.3	73.6	77.8
32.5°	34.0	36.8	38.2	43.9	43.9
35°	17.0	21.2	21.2	25.5	22.6
37.5°	9.9	11.3	12.7	12.7	11.3
40°	4.2	5.7	7.1	7.1	5.7
42.5°	1.4	2.8	2.8	2.8	4.2
45°	1.4	1.4	1.4	1.4	1.4
47.5°	1.4	1.4	0.0	1.4	1.4
50°	1.4	0.0	0.0	0.0	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
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)