

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: P1317044

Luminaire Tested: LDSQA3D02R309827DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317044
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: LDSQA3D02R309827DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

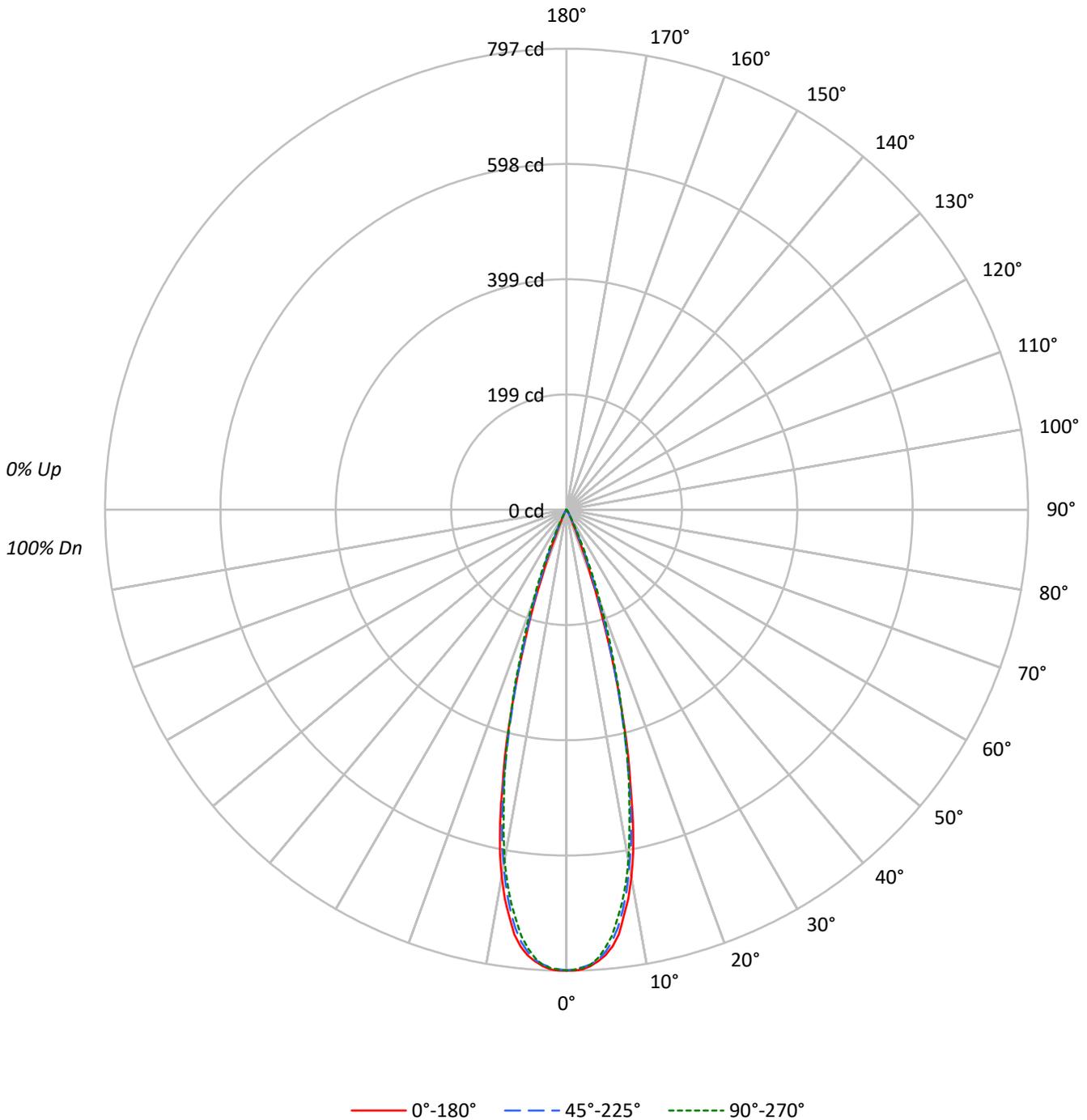
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 193.0 lumens
Efficiency: N/A
Efficacy: 53.6 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): 3.6
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	84
7	97	91	87	84	96	91	87	84	89	86	84	88	86	83	88	85	83	88	85	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	137175	137175	137175
5°	133654	132720	131631
10°	112780	109317	107551
15°	67967	66077	67290
20°	23056	26630	30717
25°	4238	6632	7848
30°	1452	1631	1830
35°	420	526	568
40°	112	180	157
45°	49	49	49
50°	54	0	54
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: 57 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	35.7
10°-20°	100.7	52.2
20°-30°	21.3	11.0
30°-40°	2.0	1.0
40°-50°	0.2	0.1
50°-60°	0.0	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°	190.8	98.9
0°-40°	192.8	99.9
0°-60°	193.0	100.0
0°-90°	193.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	193.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	796	796	796	796	796	
5°	773	772	768	765	761	70
15°	381	380	371	379	377	101
25°	22	25	35	41	41	16
35°	2	2	2	3	3	2
45°	0	0	0	0	0	0
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°	796.5	796.5	796.5	796.5	796.5
1°	796.7	795.9	794.7	796.4	795.2
2°	795.0	793.0	791.4	793.0	792.5
3°	790.0	788.4	787.2	788.0	788.0
4°	782.5	780.7	779.7	779.9	777.4
5°	773.1	771.6	767.7	765.4	761.4
6°	759.1	755.4	750.8	746.9	741.8
7°	740.1	734.5	727.8	721.1	714.7
8°	709.7	707.0	698.0	693.5	687.0
9°	681.0	674.6	664.9	657.6	654.1
10°	644.9	635.3	625.1	619.3	615.0
11°	602.2	592.4	584.2	575.7	569.1
12°	551.9	543.6	534.3	528.6	520.8
13°	492.4	491.2	480.7	478.9	477.9
14°	441.3	436.6	426.3	429.1	429.8
15°	381.2	379.9	370.6	379.2	377.4
17.5°	238.8	239.3	245.1	258.7	263.1
20°	125.8	129.6	145.3	161.7	167.6
22.5°	50.9	59.4	75.4	86.5	94.0
25°	22.3	25.0	34.9	41.1	41.3
27.5°	12.6	12.8	16.8	17.5	17.8
30°	7.3	7.5	8.2	8.7	9.2
32.5°	4.0	4.3	4.5	5.2	5.2
35°	2.0	2.5	2.5	3.0	2.7
37.5°	1.2	1.3	1.5	1.5	1.3
40°	0.5	0.7	0.8	0.8	0.7
42.5°	0.2	0.3	0.3	0.3	0.5
45°	0.2	0.2	0.2	0.2	0.2
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.0	0.0	0.0	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
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)