

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: P1316427

Luminaire Tested: LDSQA3D09R309740DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316427
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: LDSQA3D09R309740DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

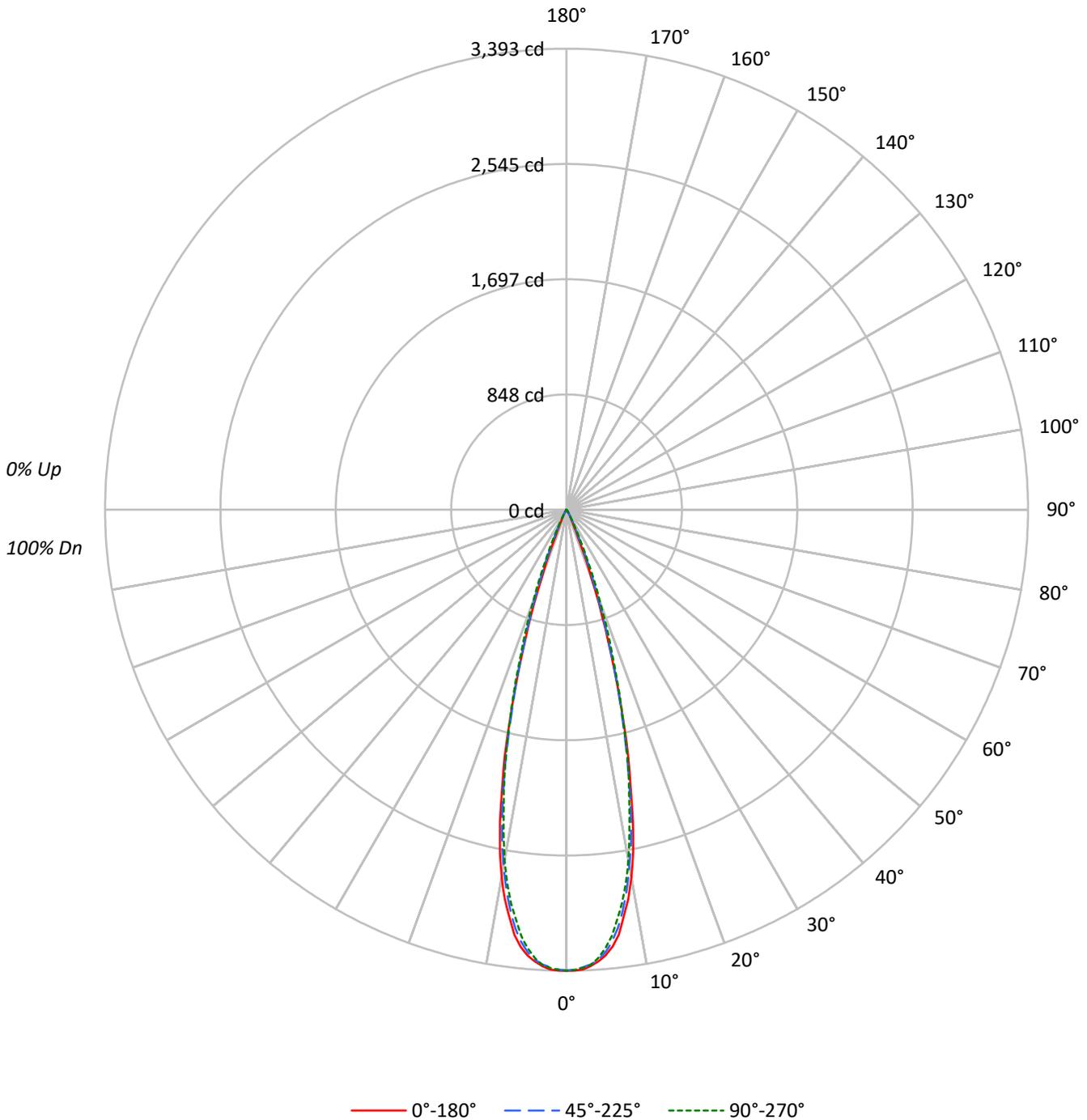
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 822.0 lumens
Efficiency: N/A
Efficacy: 74.1 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): 11.1
Input Voltage (V): NR
Input Current (Ain): 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°	584248	584248	584248
5°	569209	565285	560634
10°	480359	465617	458062
15°	289485	281390	286578
20°	98199	113393	130785
25°	18053	28276	33407
30°	6205	6901	7756
35°	1787	2229	2376
40°	472	787	629
45°	170	170	170
50°	188	0	188
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: 198 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.3	35.7
10°-20°	428.7	52.2
20°-30°	90.7	11.0
30°-40°	8.4	1.0
40°-50°	0.8	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°	812.8	98.9
0°-40°	821.1	99.9
0°-60°	822.0	100.0
0°-90°	822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	822.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3392	3392	3392	3392	3392	
5°	3292	3286	3270	3260	3243	297
15°	1624	1618	1578	1615	1607	428
25°	95	106	149	175	176	69
35°	8	11	11	13	11	7
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°	3392.4	3392.4	3392.4	3392.4	3392.4
1°	3393.1	3389.6	3384.6	3391.7	3386.8
2°	3386.0	3377.5	3370.5	3377.5	3375.4
3°	3364.8	3357.7	3352.7	3356.3	3356.3
4°	3332.9	3325.1	3320.9	3321.6	3310.9
5°	3292.5	3286.1	3269.8	3259.9	3242.9
6°	3233.0	3217.4	3197.5	3181.2	3159.3
7°	3152.2	3128.1	3099.7	3071.4	3043.8
8°	3022.5	3011.2	2972.9	2953.8	2926.1
9°	2900.6	2873.0	2831.9	2800.7	2785.8
10°	2746.8	2705.7	2662.5	2637.7	2619.3
11°	2564.7	2522.9	2488.2	2452.0	2423.7
12°	2350.7	2315.2	2275.6	2251.5	2218.2
13°	2097.0	2092.0	2047.4	2039.6	2035.3
14°	1879.4	1859.6	1815.6	1827.7	1830.5
15°	1623.6	1617.9	1578.2	1615.1	1607.3
17.5°	1016.9	1019.1	1043.9	1102.0	1120.4
20°	535.8	552.1	618.7	688.8	713.6
22.5°	216.9	253.0	321.0	368.5	400.4
25°	95.0	106.3	148.8	175.0	175.8
27.5°	53.9	54.6	71.6	74.4	75.8
30°	31.2	31.9	34.7	36.9	39.0
32.5°	17.0	18.4	19.1	22.0	22.0
35°	8.5	10.6	10.6	12.8	11.3
37.5°	5.0	5.7	6.4	6.4	5.7
40°	2.1	2.8	3.5	3.5	2.8
42.5°	0.7	1.4	1.4	1.4	2.1
45°	0.7	0.7	0.7	0.7	0.7
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.0	0.0	0.0	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
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)