

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: P1317385

Luminaire Tested: LDSQA3D09R509827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R509827DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

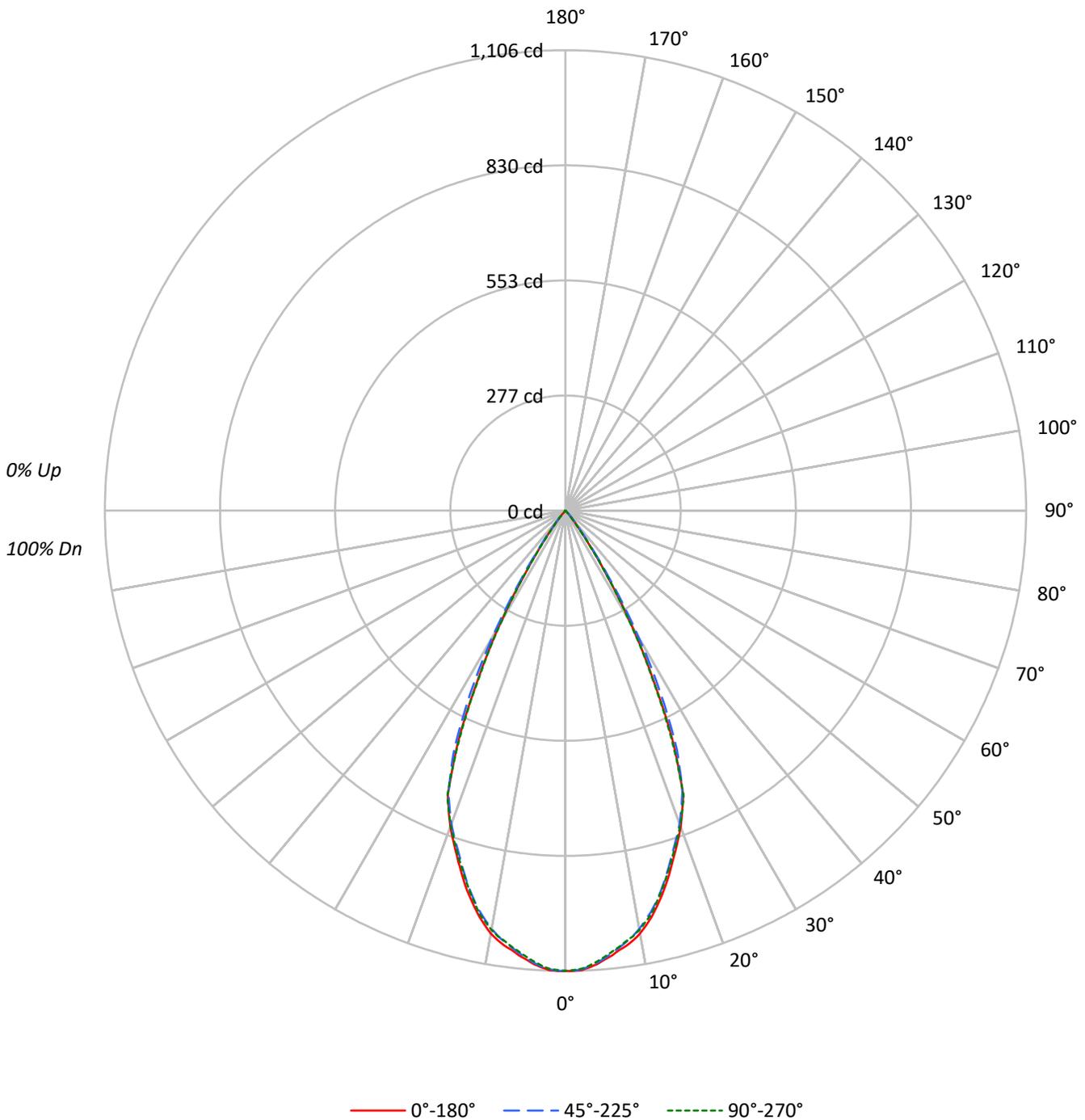
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 712.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	190427	190427	190427
5°	187091	186573	186037
10°	180441	178482	178849
15°	165995	163909	164355
20°	148233	146822	147665
25°	115365	120192	114111
30°	62484	69782	61370
35°	19700	23442	19279
40°	4362	6070	4114
45°	122	1851	122
50°	0	268	0
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: 45°
 Vertical Angle: 45°
 Luminance: 1851 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	14.2
10°-20°	257.4	36.1
20°-30°	271.1	38.1
30°-40°	77.4	10.9
40°-50°	4.8	0.7
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°	629.8	88.5
0°-40°	707.2	99.3
0°-60°	712.0	100.0
0°-90°	712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1106	1106	1106	1106	1106	
5°	1082	1081	1079	1078	1076	102
15°	931	925	919	921	922	259
25°	607	630	632	625	600	266
35°	94	100	112	95	92	73
45°	0	2	8	2	0	3
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°	1105.7	1105.7	1105.7	1105.7	1105.7
1°	1106.2	1106.7	1105.7	1106.7	1104.1
2°	1104.7	1103.6	1102.6	1103.1	1101.6
3°	1099.1	1098.5	1096.5	1097.0	1095.0
4°	1091.9	1090.4	1088.9	1087.8	1085.8
5°	1082.2	1081.2	1079.2	1078.2	1076.1
6°	1074.1	1072.1	1068.5	1067.5	1065.4
7°	1063.4	1062.4	1057.8	1056.8	1055.8
8°	1055.3	1052.2	1046.6	1047.1	1044.6
9°	1044.6	1040.5	1034.9	1034.9	1035.4
10°	1031.8	1025.7	1020.6	1022.1	1022.7
11°	1015.0	1010.9	1003.3	1006.9	1006.9
12°	996.7	991.6	986.0	989.0	991.1
13°	975.3	971.2	966.1	969.2	968.2
14°	954.4	946.8	943.2	947.3	945.8
15°	931.0	924.9	919.3	920.8	921.8
17.5°	868.3	861.7	857.6	858.2	862.7
20°	808.8	806.2	801.1	803.2	805.7
22.5°	738.5	739.5	733.4	734.9	741.0
25°	607.1	629.5	632.5	625.4	600.5
27.5°	449.7	483.3	493.5	477.2	446.6
30°	314.2	323.4	350.9	319.8	308.6
32.5°	184.4	198.1	212.9	191.5	183.9
35°	93.7	100.3	111.5	94.7	91.7
37.5°	43.3	46.3	50.9	43.3	40.7
40°	19.4	22.9	27.0	21.9	18.3
42.5°	6.1	10.7	14.3	9.7	5.6
45°	0.5	2.5	7.6	2.5	0.5
47.5°	0.0	0.5	3.1	0.5	0.0
50°	0.0	0.0	1.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)