

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: P1311396

Luminaire Tested: LDSQA3D09R709040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

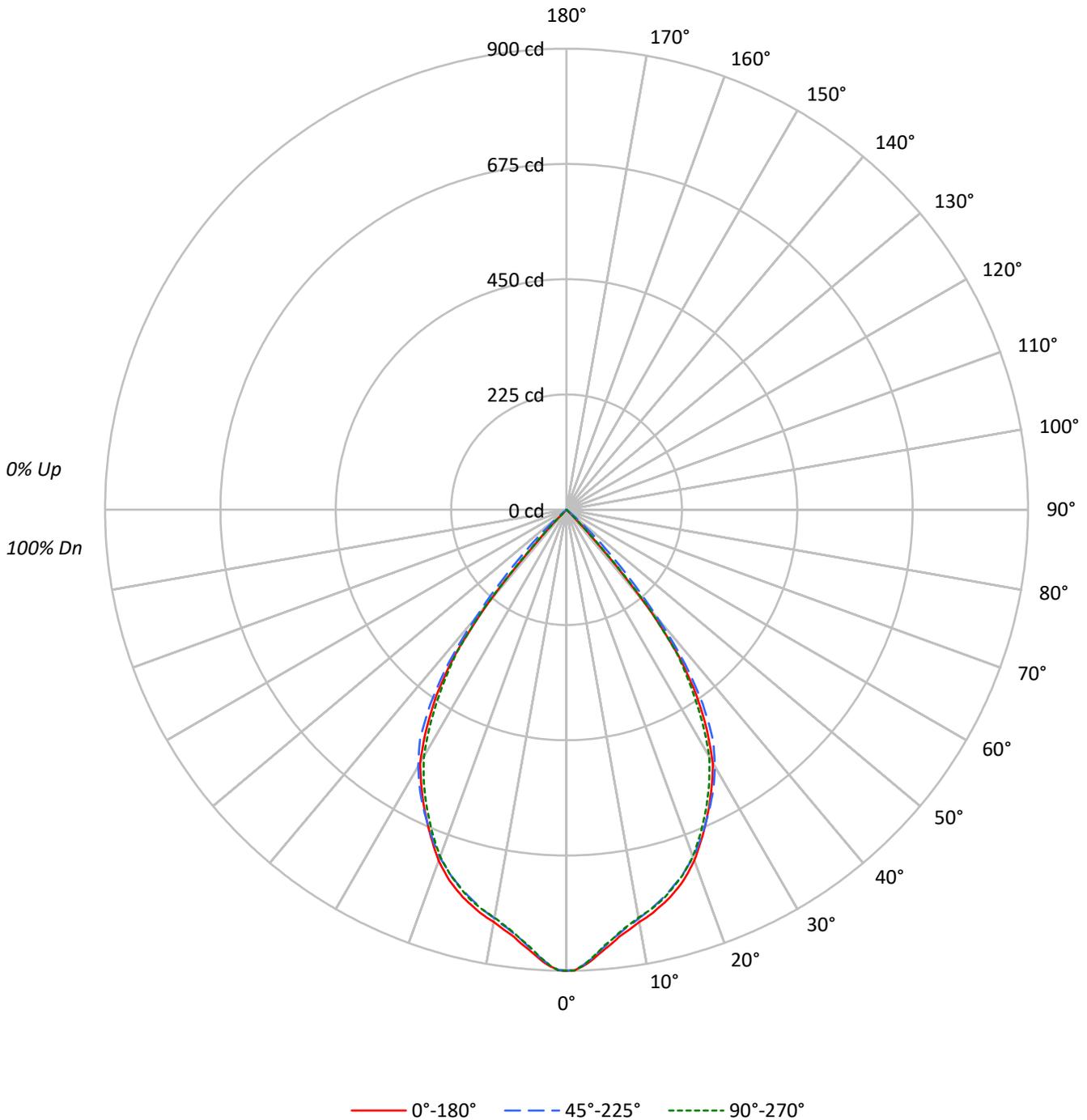
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 931.0 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
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	100	100	100	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	93	93	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	86	86	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80	80	80	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74	74	74	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68	68	68	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63	63	63	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48	48	48	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	154983	154983	154983
5°	148764	147951	147536
10°	142911	141670	141408
15°	139536	137575	137842
20°	133608	132325	132032
25°	124030	124334	122377
30°	113512	115084	110689
35°	92865	97322	89228
40°	53462	62298	54879
45°	755	25890	2679
50°	0	2733	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: 25890 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	8.6
10°-20°	217.6	23.4
20°-30°	298.9	32.1
30°-40°	271.0	29.1
40°-50°	63.0	6.8
50°-60°	0.3	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°	596.7	64.1
0°-40°	867.7	93.2
0°-60°	931.0	100.0
0°-90°	931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	931.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	900	900	900	900	900	
5°	860	858	856	854	853	81
15°	783	777	772	772	773	220
25°	653	656	654	648	644	299
35°	442	448	463	443	424	265
45°	3	35	106	46	11	38
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°	899.9	899.9	899.9	899.9	899.9
1°	899.1	897.5	898.3	899.1	899.9
2°	892.0	890.4	890.4	891.2	891.2
3°	883.4	880.2	880.2	879.4	879.4
4°	871.5	869.2	867.6	866.8	866.8
5°	860.5	858.2	855.8	854.2	853.4
6°	851.1	847.1	844.0	843.2	844.0
7°	840.1	837.7	834.5	832.2	833.0
8°	832.2	829.0	825.1	823.5	823.5
9°	825.1	821.9	818.0	814.9	816.4
10°	817.2	814.1	810.1	807.8	808.6
11°	811.7	807.8	803.1	801.5	802.3
12°	805.4	800.7	796.0	795.2	796.8
13°	797.5	792.8	788.1	788.1	789.7
14°	790.5	784.9	780.2	780.2	782.6
15°	782.6	777.1	771.6	771.6	773.1
17.5°	759.0	754.2	748.7	748.7	749.5
20°	729.0	726.7	722.0	719.6	720.4
22.5°	691.3	691.3	688.9	685.0	683.4
25°	652.7	655.8	654.3	648.0	644.0
27.5°	612.5	618.0	618.8	609.4	602.3
30°	570.8	575.5	578.7	567.6	556.6
32.5°	509.4	523.6	531.4	516.5	493.6
35°	441.7	448.0	462.9	443.3	424.4
37.5°	359.0	366.9	379.5	363.7	352.7
40°	237.8	269.3	277.1	269.3	244.1
42.5°	85.8	151.2	181.9	154.3	100.8
45°	3.1	35.4	106.3	45.7	11.0
47.5°	0.0	0.8	48.0	1.6	0.0
50°	0.0	0.0	10.2	0.0	0.0
52.5°	0.0	0.0	0.8	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)