

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: P1313591

Luminaire Tested: LDSQA3D09R709727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313591
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: LDSQA3D09R709727DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

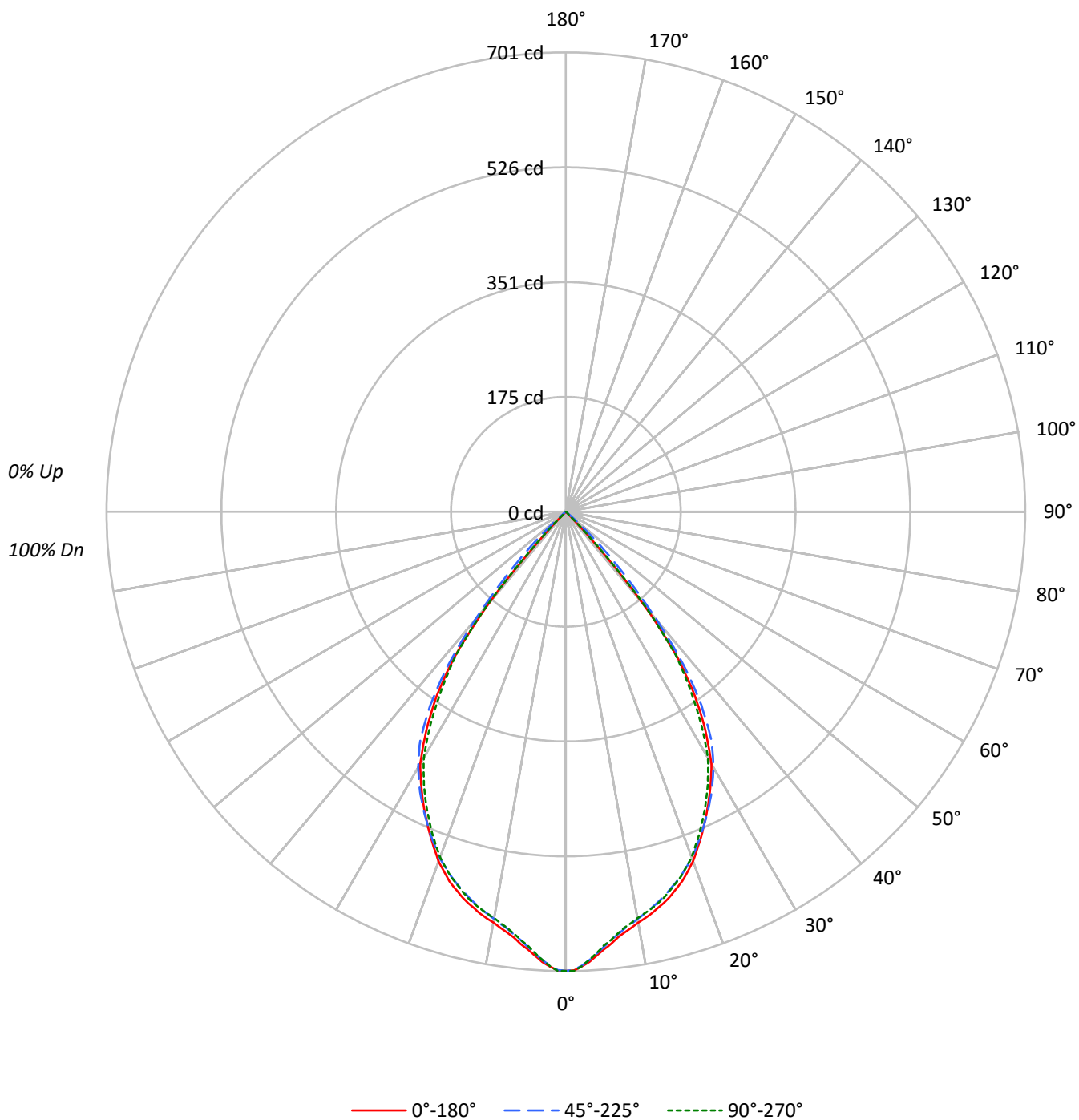
Lumens per Lamp: N/A
Luminaire Lumens: 725.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	120694	120694	120694
5°	115847	115208	114896
10°	111293	110331	110122
15°	108655	107121	107353
20°	104046	103037	102818
25°	96591	96819	95298
30°	88396	89609	86208
35°	72324	75793	69486
40°	41637	48516	42738
45°	609	20167	2095
50°	0	2143	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: 20167 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	8.6
10°-20°	169.4	23.4
20°-30°	232.7	32.1
30°-40°	211.0	29.1
40°-50°	49.0	6.8
50°-60°	0.2	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°	464.7	64.1
0°-40°	675.7	93.2
0°-60°	725.0	100.0
0°-90°	725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	701	701	701	701	701	
5°	670	668	666	665	665	63
15°	609	605	601	601	602	171
25°	508	511	510	505	502	233
35°	344	349	360	345	330	207
45°	2	28	83	36	9	30
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	700.8	700.8	700.8	700.8	700.8
1°	700.2	698.9	699.5	700.2	700.8
2°	694.6	693.4	693.4	694.0	694.0
3°	687.9	685.4	685.4	684.8	684.8
4°	678.7	676.9	675.6	675.0	675.0
5°	670.1	668.3	666.4	665.2	664.6
6°	662.8	659.7	657.2	656.6	657.2
7°	654.2	652.3	649.9	648.0	648.7
8°	648.0	645.6	642.5	641.3	641.3
9°	642.5	640.1	637.0	634.6	635.8
10°	636.4	633.9	630.9	629.0	629.7
11°	632.1	629.0	625.4	624.1	624.8
12°	627.2	623.5	619.8	619.2	620.5
13°	621.1	617.4	613.7	613.7	614.9
14°	615.6	611.3	607.6	607.6	609.4
15°	609.4	605.1	600.8	600.8	602.1
17.5°	591.0	587.4	583.1	583.1	583.7
20°	567.7	565.9	562.2	560.4	561.0
22.5°	538.3	538.3	536.5	533.4	532.2
25°	508.3	510.7	509.5	504.6	501.5
27.5°	477.0	481.3	481.9	474.5	469.0
30°	444.5	448.2	450.6	442.0	433.5
32.5°	396.7	407.7	413.8	402.2	384.4
35°	344.0	348.9	360.5	345.2	330.5
37.5°	279.6	285.7	295.5	283.3	274.7
40°	185.2	209.7	215.8	209.7	190.1
42.5°	66.8	117.7	141.6	120.2	78.5
45°	2.5	27.6	82.8	35.6	8.6
47.5°	0.0	0.6	37.4	1.2	0.0
50°	0.0	0.0	8.0	0.0	0.0
52.5°	0.0	0.0	0.6	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)