

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: P1327221

Luminaire Tested: LDSQA3D09R70W2N902750DE010 3LSQCDR1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327221
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: LDSQA3D09R70W2N902750DE010 3LSQCDR1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

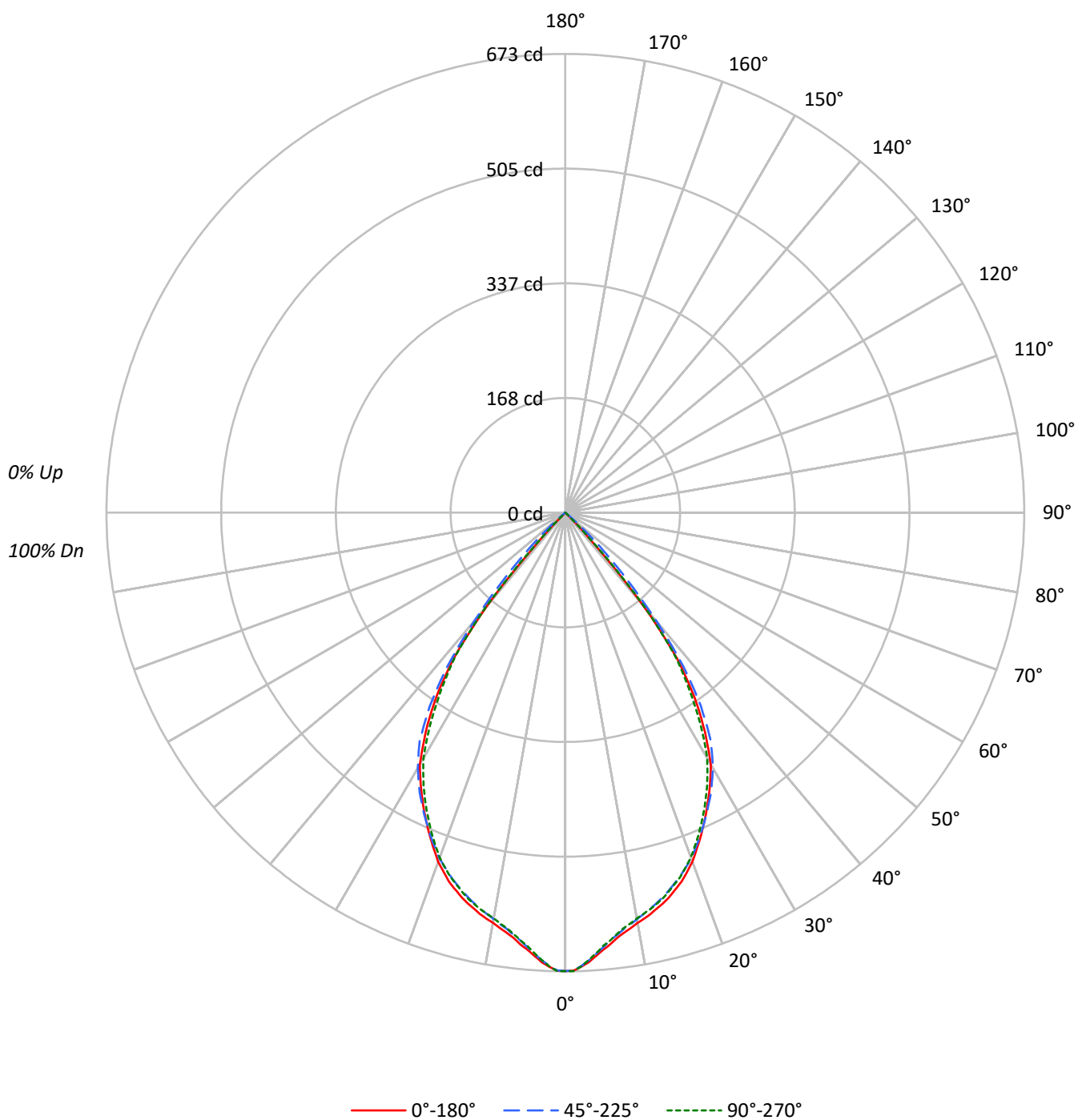
Lumens per Lamp: N/A
Luminaire Lumens: 696.0 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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
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	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63		
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59		
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55		
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	115854	115854	115854
5°	111214	110609	110298
10°	106834	105907	105715
15°	104304	102842	103056
20°	99885	98914	98694
25°	92714	92942	91498
30°	84856	86029	82748
35°	69423	72766	66690
40°	39973	46583	41030
45°	585	19363	1997
50°	0	2063	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: 19363 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	8.6
10°-20°	162.6	23.4
20°-30°	223.4	32.1
30°-40°	202.6	29.1
40°-50°	47.1	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°	446.1	64.1
0°-40°	648.7	93.2
0°-60°	696.0	100.0
0°-90°	696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	673	673	673	673	673	
5°	643	642	640	639	638	60
15°	585	581	577	577	578	164
25°	488	490	489	484	482	224
35°	330	335	346	331	317	198
45°	2	26	80	34	8	28
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°	672.7	672.7	672.7	672.7	672.7
1°	672.2	671.0	671.6	672.2	672.7
2°	666.9	665.7	665.7	666.3	666.3
3°	660.4	658.0	658.0	657.4	657.4
4°	651.6	649.8	648.6	648.0	648.0
5°	643.3	641.5	639.8	638.6	638.0
6°	636.3	633.3	631.0	630.4	631.0
7°	628.0	626.2	623.9	622.1	622.7
8°	622.1	619.8	616.8	615.7	615.7
9°	616.8	614.5	611.5	609.2	610.4
10°	610.9	608.6	605.6	603.9	604.5
11°	606.8	603.9	600.3	599.2	599.8
12°	602.1	598.6	595.1	594.5	595.6
13°	596.2	592.7	589.2	589.2	590.3
14°	590.9	586.8	583.3	583.3	585.0
15°	585.0	580.9	576.8	576.8	578.0
17.5°	567.4	563.9	559.7	559.7	560.3
20°	545.0	543.3	539.7	538.0	538.5
22.5°	516.8	516.8	515.0	512.1	510.9
25°	487.9	490.3	489.1	484.4	481.5
27.5°	457.9	462.0	462.6	455.6	450.3
30°	426.7	430.3	432.6	424.4	416.1
32.5°	380.8	391.4	397.3	386.1	369.0
35°	330.2	334.9	346.1	331.4	317.2
37.5°	268.4	274.3	283.7	271.9	263.7
40°	177.8	201.3	207.2	201.3	182.5
42.5°	64.2	113.0	136.0	115.4	75.3
45°	2.4	26.5	79.5	34.1	8.2
47.5°	0.0	0.6	35.9	1.2	0.0
50°	0.0	0.0	7.7	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)