

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: P1327077

Luminaire Tested: LDSQA3D09R60W2N902750DE010 3LSQCDR1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R60W2N902750DE010 3LSQCDR1MB_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

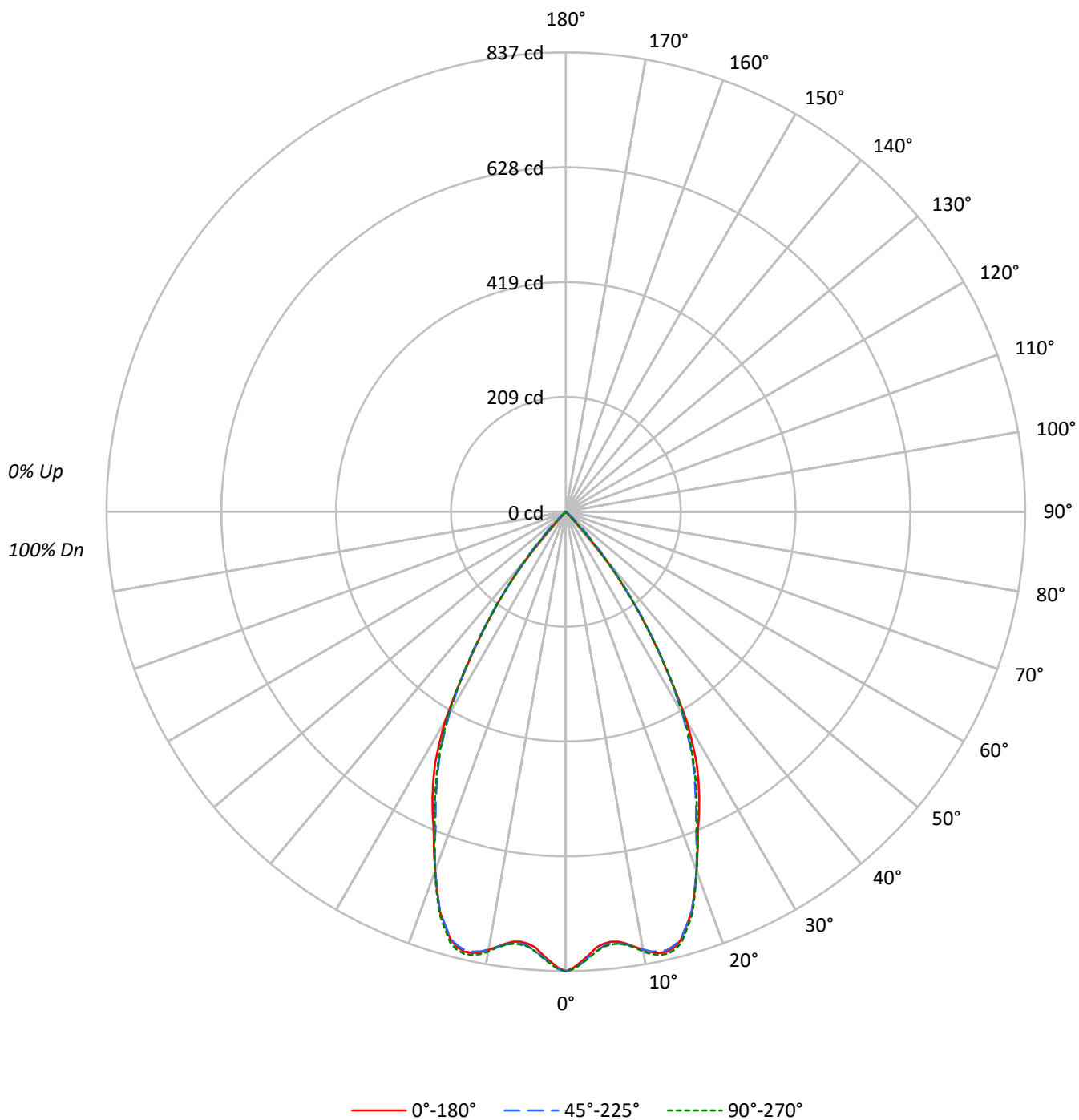
Lumens per Lamp: N/A
Luminaire Lumens: 742.0 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77	77	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72	72	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67	67	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63	63	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59	59	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56	56	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	144202	144202	144202
5°	136576	137284	137492
10°	141775	141565	142387
15°	144118	143904	144956
20°	127541	127541	127761
25°	109303	106035	106928
30°	87441	84259	85552
35°	54243	55358	54117
40°	23809	26214	24483
45°	292	8500	731
50°	0	965	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: 8500 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	10.3
10°-20°	221.7	29.9
20°-30°	257.3	34.7
30°-40°	162.1	21.8
40°-50°	24.3	3.3
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°	555.5	74.9
0°-40°	717.5	96.7
0°-60°	742.0	100.0
0°-90°	742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	742.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	837	837	837	837	837	
5°	790	793	794	796	795	76
15°	808	805	807	812	813	222
25°	575	569	558	560	563	261
35°	258	259	263	258	257	161
45°	1	11	35	15	3	16
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°	837.3	837.3	837.3	837.3	837.3
1°	830.8	833.1	833.1	833.7	833.1
2°	819.5	823.1	823.1	824.9	823.7
3°	808.3	811.3	811.8	814.2	813.6
4°	795.9	800.6	802.4	803.6	803.0
5°	790.0	792.9	794.1	795.9	795.3
6°	787.6	790.0	791.1	792.9	792.9
7°	789.4	791.1	792.9	794.1	792.9
8°	794.7	796.5	796.5	798.8	797.1
9°	802.4	803.0	803.0	805.9	804.2
10°	810.7	809.5	809.5	813.6	814.2
11°	817.8	816.6	816.0	820.1	821.3
12°	821.9	819.5	819.5	824.9	825.5
13°	822.5	819.5	819.5	824.9	826.6
14°	817.8	814.2	814.8	820.7	822.5
15°	808.3	805.3	807.1	812.4	813.0
17.5°	763.3	761.6	762.7	766.3	766.9
20°	695.9	694.7	695.9	695.9	697.1
22.5°	629.0	626.0	620.1	623.7	624.3
25°	575.2	568.6	558.0	560.4	562.7
27.5°	516.0	507.7	496.5	499.4	500.0
30°	439.7	435.5	423.7	426.6	430.2
32.5°	339.7	350.9	343.8	343.2	343.8
35°	258.0	258.6	263.3	258.0	257.4
37.5°	180.5	181.1	184.6	178.7	179.3
40°	105.9	113.6	116.6	114.2	108.9
42.5°	33.1	58.6	66.3	57.4	36.7
45°	1.2	11.2	34.9	14.8	3.0
47.5°	0.0	0.6	16.6	1.2	0.0
50°	0.0	0.0	3.6	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)