

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: P1327080

Luminaire Tested: LDSQA3D09R60W2N902750DE010 3LSQCDR1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327080
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 3LSQCDR1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

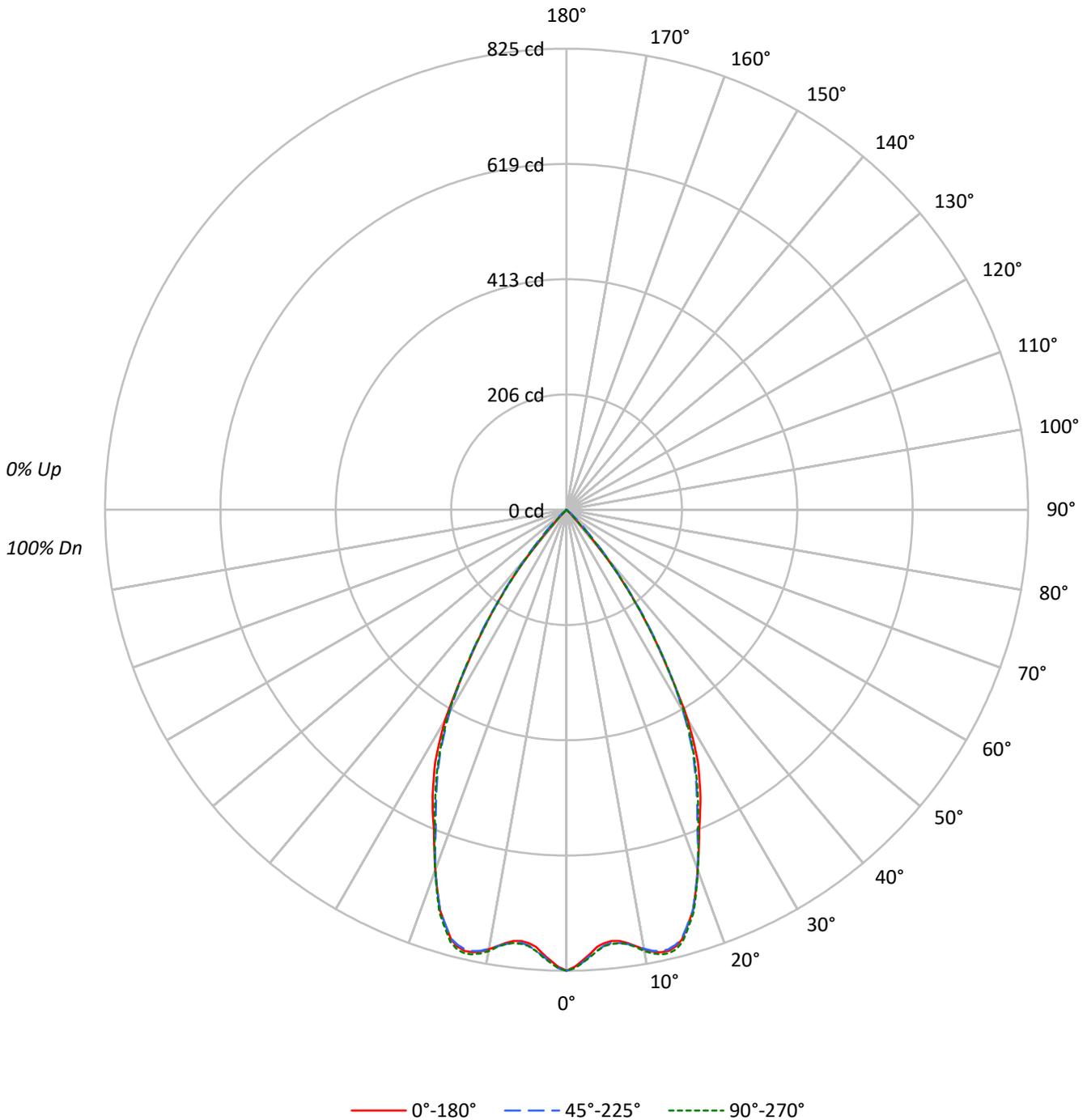
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 731.0 lumens
Efficiency: N/A
Efficacy: 81.2 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				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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82	82	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77	77	77	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72	72	72	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67	67	67	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63	63	63	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59	59	59	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56	56	56	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	142066	142066	142066
5°	134536	135244	135452
10°	139659	139466	140271
15°	141979	141765	142817
20°	125654	125654	125855
25°	107669	104458	105351
30°	86129	83006	84279
35°	53444	54538	53318
40°	23449	25809	24123
45°	292	8378	706
50°	0	938	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: 8378 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	10.3
10°-20°	218.4	29.9
20°-30°	253.5	34.7
30°-40°	159.7	21.8
40°-50°	24.0	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°	547.3	74.9
0°-40°	706.9	96.7
0°-60°	731.0	100.0
0°-90°	731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	825	825	825	825	825	
5°	778	781	782	784	784	75
15°	796	793	795	800	801	218
25°	567	560	550	552	554	258
35°	254	255	259	254	254	159
45°	1	11	34	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	824.9	824.9	824.9	824.9	824.9
1°	818.5	820.8	820.8	821.4	820.8
2°	807.4	810.9	810.9	812.6	811.5
3°	796.3	799.2	799.8	802.1	801.6
4°	784.1	788.7	790.5	791.7	791.1
5°	778.2	781.2	782.3	784.1	783.5
6°	775.9	778.2	779.4	781.2	781.2
7°	777.7	779.4	781.2	782.3	781.2
8°	782.9	784.7	784.7	787.0	785.2
9°	790.5	791.1	791.1	794.0	792.2
10°	798.6	797.5	797.5	801.6	802.1
11°	805.6	804.5	803.9	808.0	809.1
12°	809.7	807.4	807.4	812.6	813.2
13°	810.3	807.4	807.4	812.6	814.4
14°	805.6	802.1	802.7	808.6	810.3
15°	796.3	793.4	795.1	800.4	801.0
17.5°	752.0	750.3	751.4	754.9	755.5
20°	685.6	684.4	685.6	685.6	686.7
22.5°	619.7	616.8	610.9	614.4	615.0
25°	566.6	560.2	549.7	552.1	554.4
27.5°	508.3	500.2	489.1	492.0	492.6
30°	433.1	429.1	417.4	420.3	423.8
32.5°	334.6	345.7	338.7	338.1	338.7
35°	254.2	254.8	259.4	254.2	253.6
37.5°	177.8	178.4	181.9	176.1	176.6
40°	104.3	111.9	114.8	112.5	107.3
42.5°	32.6	57.7	65.3	56.5	36.1
45°	1.2	11.1	34.4	14.6	2.9
47.5°	0.0	0.6	16.3	1.2	0.0
50°	0.0	0.0	3.5	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)