

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: P1327084

Luminaire Tested: LDSQA3D09R60W2N902750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R60W2N902750DE010 3LSQCDR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

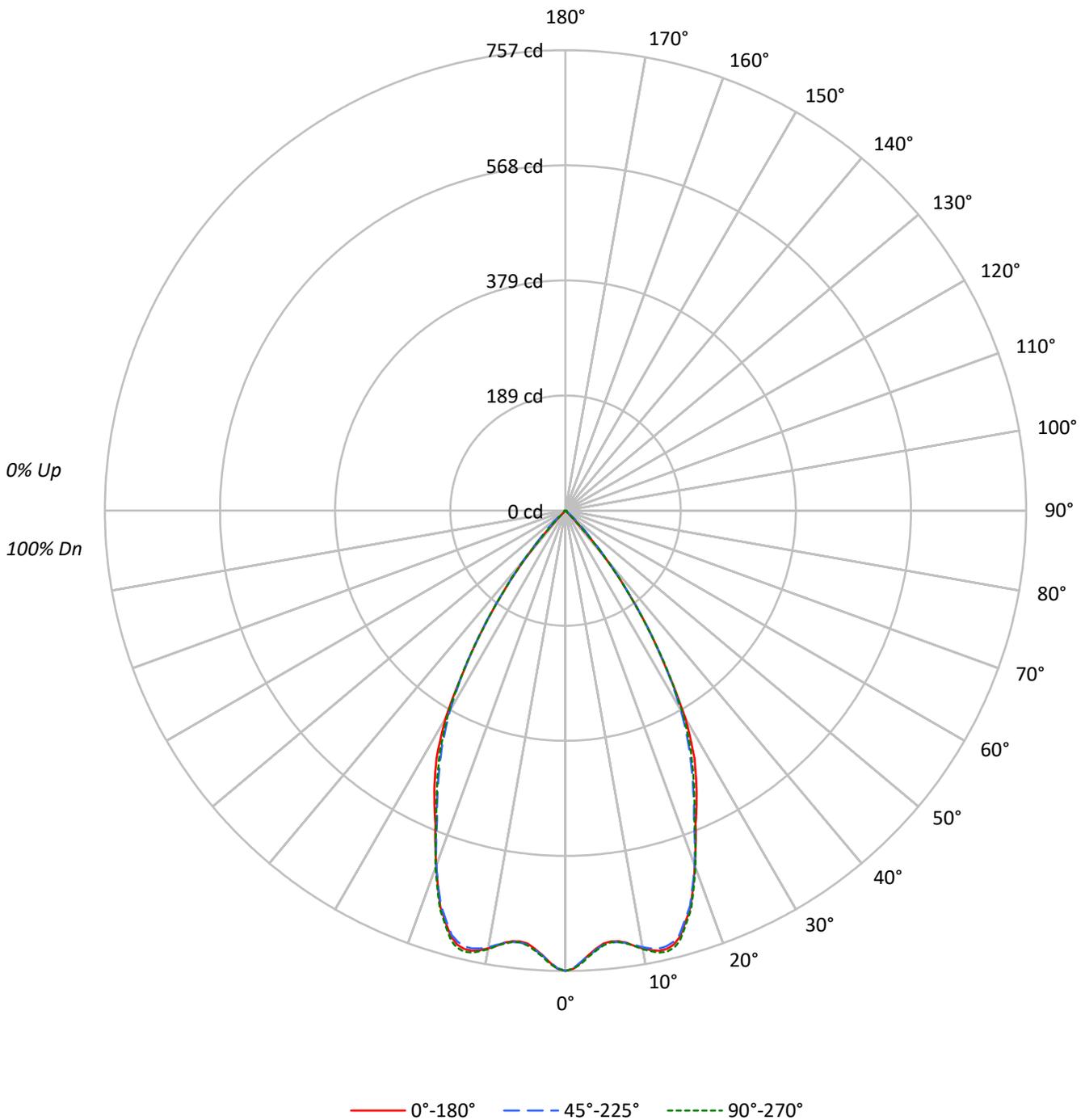
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 675.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 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			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	102	102	102	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	130338	130338	130338
5°	123523	123886	124076
10°	127819	127452	128099
15°	129373	128802	130122
20°	113924	113814	114401
25°	96933	94139	94937
30°	78234	75509	76762
35°	49513	49954	49408
40°	23157	24101	23516
45°	1413	8500	1681
50°	697	1983	697
55°	781	781	781
60°	723	723	723
65°	652	856	652
70°	806	806	806
75°	732	732	732
80°	496	496	496
85°	988	988	988

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°	69.0	10.2
10°-20°	198.7	29.4
20°-30°	229.0	33.9
30°-40°	147.0	21.8
40°-50°	25.6	3.8
50°-60°	2.4	0.4
60°-70°	1.9	0.3
70°-80°	1.1	0.2
80°-90°	0.3	0.1
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°	496.6	73.6
0°-40°	643.6	95.4
0°-60°	671.6	99.5
0°-90°	675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	675.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	714	716	717	718	718	69
15°	726	723	722	727	730	199
25°	510	504	495	496	500	233
35°	236	234	238	233	235	147
45°	6	17	35	21	7	19
55°	3	3	3	3	3	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	756.8	756.8	756.8	756.8	756.8
1°	753.6	753.1	752.5	753.1	753.6
2°	743.0	742.5	742.0	744.1	745.2
3°	731.4	732.0	732.5	733.5	734.1
4°	721.9	723.0	723.5	724.6	725.1
5°	714.5	716.1	716.6	718.2	717.7
6°	712.4	713.5	714.0	714.5	713.5
7°	713.5	714.0	714.5	715.6	714.5
8°	717.2	717.7	718.2	718.7	718.7
9°	724.6	723.5	723.0	725.1	724.6
10°	730.9	729.3	728.8	732.0	732.5
11°	736.2	734.1	733.5	737.2	738.3
12°	739.9	736.7	736.2	740.9	743.0
13°	739.9	735.6	735.6	740.9	744.1
14°	735.6	730.9	730.9	736.7	740.4
15°	725.6	723.0	722.4	727.2	729.8
17.5°	683.4	680.2	680.7	686.0	686.5
20°	621.6	620.0	621.0	622.1	624.2
22.5°	558.7	557.7	551.9	553.5	554.5
25°	510.1	504.3	495.4	495.9	499.6
27.5°	458.9	453.1	440.4	443.1	446.8
30°	393.4	388.7	379.7	381.3	386.0
32.5°	308.9	318.4	310.0	312.6	311.1
35°	235.5	233.9	237.6	232.9	235.0
37.5°	165.8	166.4	167.9	163.7	163.7
40°	103.0	105.6	107.2	105.1	104.6
42.5°	43.3	59.1	62.3	59.1	43.8
45°	5.8	17.4	34.9	20.6	6.9
47.5°	2.6	3.7	18.5	3.7	2.6
50°	2.6	2.6	7.4	2.6	2.6
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	2.6
60°	2.1	2.1	2.1	2.1	2.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	1.6	2.1	2.1	2.1	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5
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)