

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: P1327246

Luminaire Tested: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
3LSQCLDWWR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

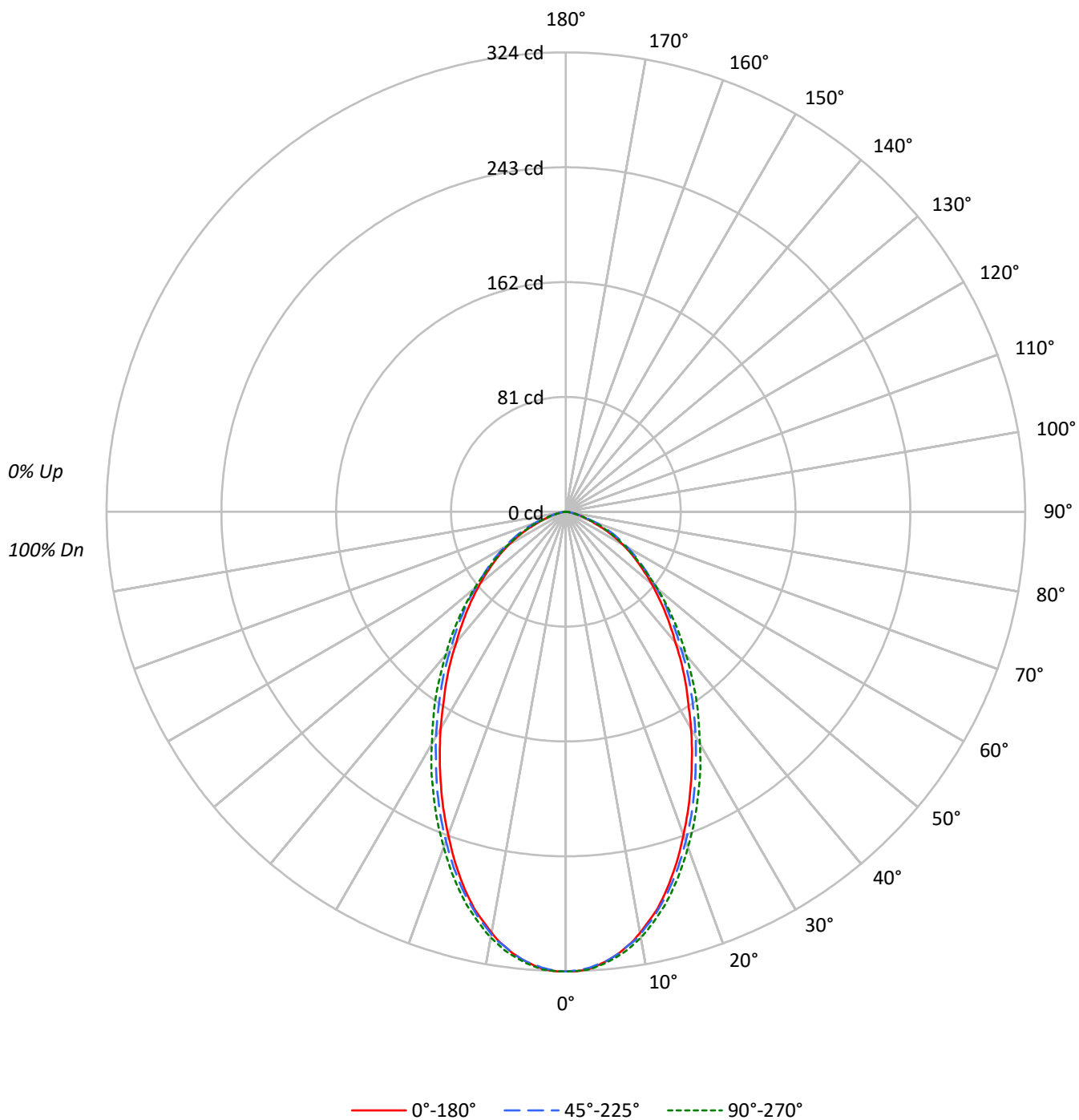
Lumens per Lamp: N/A
Luminaire Lumens: 487.0 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1327246

CATALOG NUMBER: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MW_5000K

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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78		
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68		
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61		
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54		
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49		
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40		
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	55852	55852	55852
5°	55062	55062	55253
10°	52709	52919	53321
15°	49121	49531	50173
20°	44444	45306	46167
25°	39716	40837	41939
30°	35120	36412	37586
35°	30948	32294	33660
40°	27001	28462	29654
45°	23942	25233	26085
50°	21140	22238	22560
55°	18556	19607	19097
60°	16017	17222	16430
65°	12714	14874	13448
70°	9165	11582	10071
75°	7053	7453	6255
80°	4661	4661	3471
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 26085 cd/sqm

TEST NUMBER: P1327246

CATALOG NUMBER: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.9	6.1
10°-20°	77.6	15.9
20°-30°	98.6	20.3
30°-40°	96.0	19.7
40°-50°	79.8	16.4
50°-60°	57.5	11.8
60°-70°	33.9	7.0
70°-80°	12.0	2.5
80°-90°	1.8	0.4
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°	206.2	42.3
0°-40°	302.1	62.0
0°-60°	439.4	90.2
0°-90°	487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	487.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	324	324	324	324	324	
5°	318	318	318	318	320	30
15°	276	276	278	280	281	77
25°	209	211	215	219	221	96
35°	147	149	154	158	160	92
45°	98	100	104	106	107	76
55°	62	64	65	65	64	56
65°	31	34	36	35	33	31
75°	11	11	11	10	9	12
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CATALOG NUMBER: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	324.3	324.3	324.3	324.3	324.3
1°	324.3	323.7	323.7	323.7	324.3
2°	323.7	323.2	323.2	323.2	323.7
3°	322.6	322.0	322.0	322.0	323.2
4°	320.8	319.6	320.2	320.2	321.4
5°	318.5	317.9	318.5	318.5	319.6
6°	316.1	315.5	316.1	316.1	317.3
7°	313.2	312.6	313.2	313.7	314.9
8°	309.6	309.0	309.6	310.2	312.0
9°	306.1	305.5	306.7	307.3	308.4
10°	301.4	301.4	302.6	303.1	304.9
11°	296.7	296.7	297.8	299.0	300.8
12°	292.0	292.0	293.7	294.9	296.1
13°	287.3	286.7	288.4	289.6	291.4
14°	281.4	280.8	283.1	284.9	286.7
15°	275.5	275.5	277.8	279.6	281.4
17.5°	259.6	260.2	263.1	265.5	267.2
20°	242.5	244.3	247.2	250.2	251.9
22.5°	226.0	227.2	231.3	234.9	236.6
25°	209.0	211.3	214.9	219.0	220.7
27.5°	192.5	194.8	198.4	202.5	205.4
30°	176.6	178.4	183.1	187.2	189.0
32.5°	160.7	163.1	167.8	171.9	174.2
35°	147.2	148.9	153.6	157.8	160.1
37.5°	133.6	135.4	140.1	143.6	145.4
40°	120.1	123.0	126.6	130.1	131.9
42.5°	108.9	111.3	114.8	117.7	119.5
45°	98.3	100.1	103.6	106.0	107.1
47.5°	88.3	90.1	93.6	94.8	95.4
50°	78.9	80.6	83.0	83.6	84.2
52.5°	70.0	71.2	73.6	73.6	73.0
55°	61.8	63.6	65.3	64.7	63.6
57.5°	54.2	54.7	57.7	56.5	55.3
60°	46.5	47.7	50.0	48.9	47.7
62.5°	38.8	40.0	43.0	41.8	40.0
65°	31.2	33.6	36.5	34.7	33.0
67.5°	23.5	26.5	29.4	27.7	26.5
70°	18.2	20.6	23.0	21.2	20.0
72.5°	14.1	15.3	16.5	15.3	14.1
75°	10.6	11.2	11.2	10.0	9.4
77.5°	7.7	8.2	7.1	5.9	5.9
80°	4.7	5.3	4.7	3.5	3.5
82.5°	2.4	2.9	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P1327246

CATALOG NUMBER: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MW_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)