

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: P1325987

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHRLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R20W2N902750DE010 3LSQPHRLD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

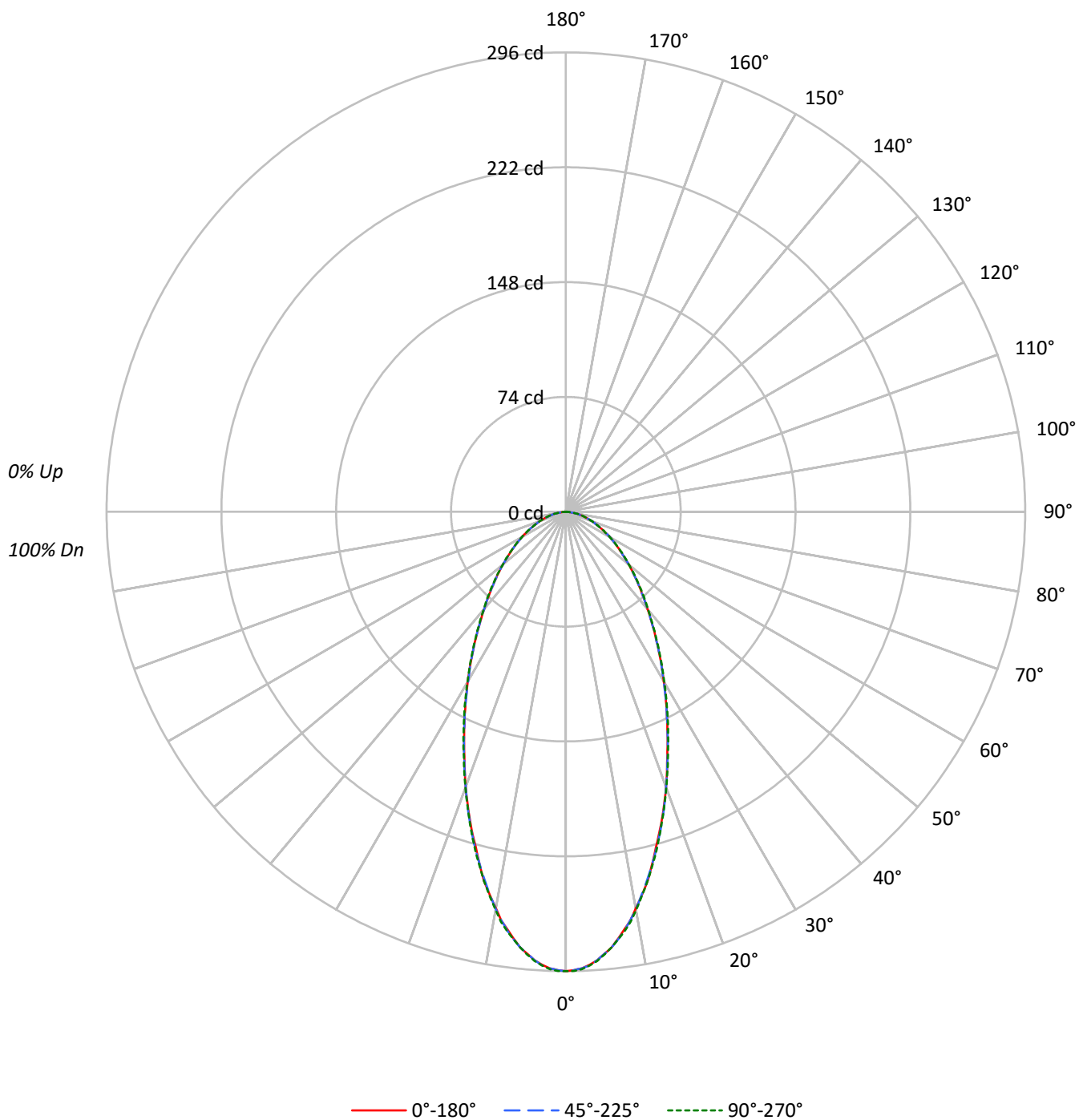
Lumens per Lamp: N/A
Luminaire Lumens: 354.0 lumens
Efficiency: N/A
Efficacy: 39.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	50978	50978	50978
5°	49427	49427	49513
10°	45381	45469	45574
15°	39957	40135	40242
20°	34584	34584	34676
25°	29435	29435	29625
30°	25117	25017	25216
35°	21445	21445	21550
40°	18413	18413	18525
45°	16099	16099	16221
50°	14174	14174	14174
55°	12551	12551	12701
60°	11298	11298	11298
65°	10106	10106	10106
70°	9064	9064	9064
75°	8118	7719	8118
80°	6843	6843	6843
85°	4150	4150	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16221 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	7.5
10°-20°	62.7	17.7
20°-30°	71.4	20.2
30°-40°	64.1	18.1
40°-50°	51.3	14.5
50°-60°	37.7	10.7
60°-70°	24.6	7.0
70°-80°	12.8	3.6
80°-90°	3.0	0.8
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°	160.5	45.3
0°-40°	224.5	63.4
0°-60°	313.6	88.6
0°-90°	354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	354.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	296	296	296	296	296	
5°	286	286	286	286	286	26
15°	224	224	225	225	226	63
25°	155	155	155	155	156	71
35°	102	102	102	102	102	64
45°	66	66	66	66	67	51
55°	42	42	42	42	42	38
65°	25	24	25	25	25	25
75°	12	12	12	12	12	13
85°	2	2	2	3	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	296.0	296.0	296.0	296.0	296.0
1°	295.4	294.9	295.4	295.4	296.0
2°	294.4	294.4	294.4	293.8	294.9
3°	292.3	292.3	292.8	292.3	292.8
4°	289.6	289.6	289.6	289.1	290.1
5°	285.9	285.9	285.9	285.9	286.4
6°	282.2	281.7	282.2	281.7	282.2
7°	276.9	276.9	277.5	276.9	277.5
8°	271.6	271.1	272.2	271.6	272.7
9°	266.4	265.8	266.4	265.8	267.4
10°	259.5	260.0	260.0	260.0	260.6
12.5°	243.6	242.6	242.6	242.6	243.6
15°	224.1	224.1	225.1	225.1	225.7
17.5°	206.6	206.1	207.2	207.2	207.2
20°	188.7	188.1	188.7	188.7	189.2
22.5°	170.7	171.2	171.2	171.2	171.8
25°	154.9	154.9	154.9	155.4	155.9
27.5°	140.1	139.5	140.1	140.6	141.1
30°	126.3	125.8	125.8	126.3	126.8
32.5°	113.6	113.1	113.6	113.6	114.2
35°	102.0	102.0	102.0	102.0	102.5
37.5°	91.4	91.4	91.4	92.0	92.0
40°	81.9	81.9	81.9	82.4	82.4
42.5°	73.5	73.5	73.5	74.0	74.5
45°	66.1	66.1	66.1	66.1	66.6
47.5°	59.2	59.2	59.2	59.7	59.7
50°	52.9	52.3	52.9	53.4	52.9
52.5°	47.0	47.0	47.0	47.0	47.6
55°	41.8	41.8	41.8	41.8	42.3
57.5°	37.0	37.0	37.0	37.5	37.5
60°	32.8	32.8	32.8	32.8	32.8
62.5°	28.5	28.5	28.5	28.5	28.5
65°	24.8	24.3	24.8	24.8	24.8
67.5°	21.1	21.1	21.1	21.1	21.1
70°	18.0	18.0	18.0	18.0	18.0
72.5°	14.8	14.8	14.8	14.8	14.8
75°	12.2	11.6	11.6	12.2	12.2
77.5°	9.5	9.0	9.5	9.5	9.5
80°	6.9	6.9	6.9	6.9	6.9
82.5°	4.2	4.2	4.2	4.8	4.8
85°	2.1	2.1	2.1	2.6	2.6
87.5°	0.5	0.5	0.5	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)