

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: P1325993

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHRLP1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R20W2N902750DE010 3LSQPHRLP1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

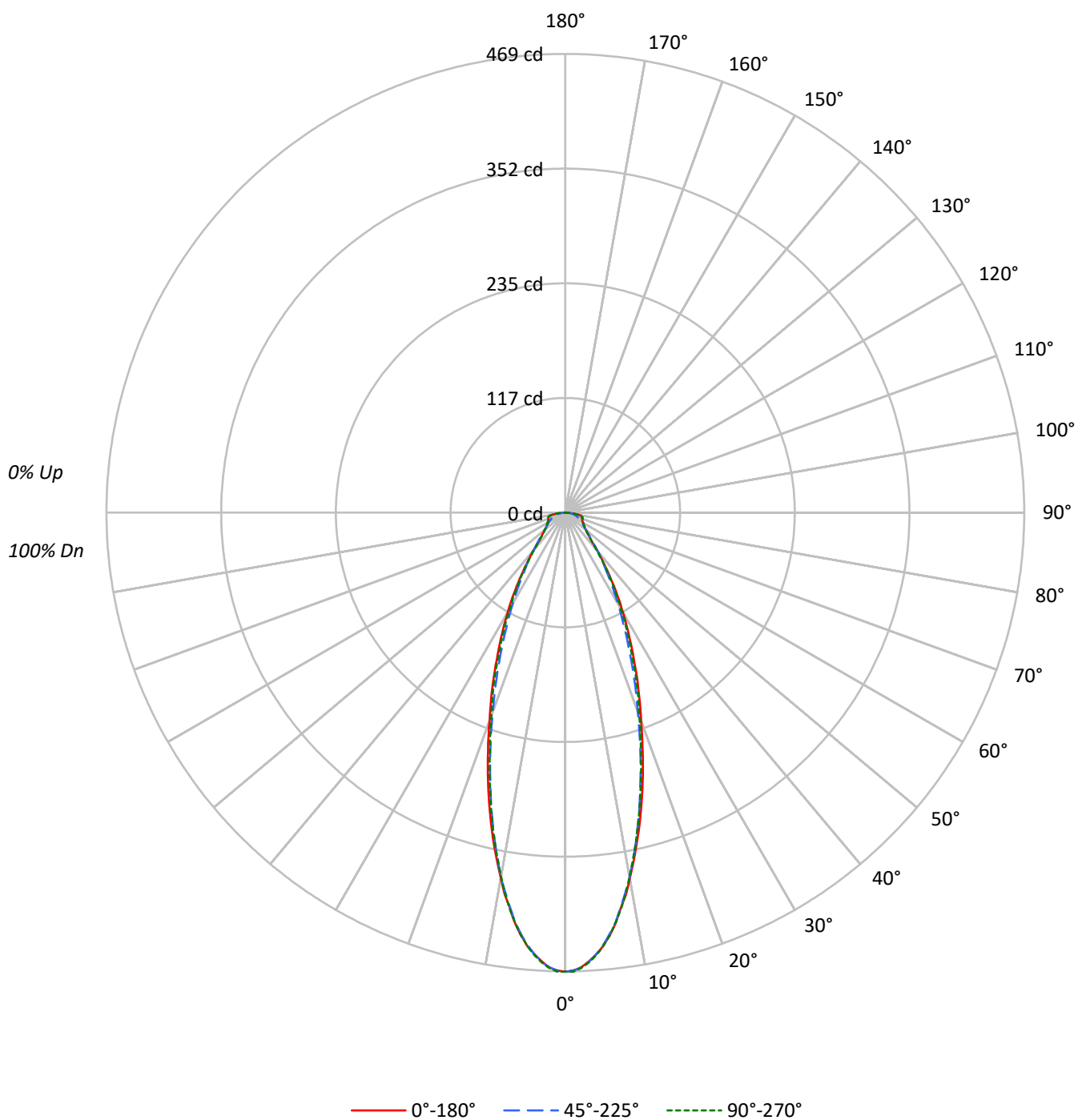
Lumens per Lamp: N/A
Luminaire Lumens: 331.0 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80841	80841	80841
5°	76915	76707	76915
10°	66402	66192	66087
15°	53882	52634	52848
20°	41512	39697	40449
25°	31544	29207	30651
30°	23387	21299	22691
35°	16525	15432	16273
40°	11398	11398	11129
45°	8378	8793	8378
50°	7341	7341	7341
55°	6996	6816	6996
60°	7233	6613	7233
65°	7824	6642	7824
70°	9366	6748	9366
75°	12044	7386	12044
80°	14976	7538	14480
85°	11461	6916	12647

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 14976 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	12.2
10°-20°	82.2	24.8
20°-30°	73.4	22.2
30°-40°	48.2	14.6
40°-50°	28.0	8.5
50°-60°	20.8	6.3
60°-70°	17.6	5.3
70°-80°	14.5	4.4
80°-90°	6.1	1.8
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°	195.9	59.2
0°-40°	244.1	73.7
0°-60°	292.9	88.5
0°-90°	331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	331.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	469	469	469	469	469	
5°	445	444	444	444	445	40
15°	302	299	295	296	296	84
25°	166	161	154	158	161	76
35°	79	76	73	76	77	50
45°	34	35	36	35	34	28
55°	23	23	23	23	23	21
65°	19	18	16	18	19	19
75°	18	13	11	13	18	18
85°	6	6	4	6	6	7
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	469.4	469.4	469.4	469.4	469.4
1°	468.2	468.8	468.2	468.8	469.4
2°	465.3	465.9	465.3	465.3	465.9
3°	459.5	460.0	460.0	460.0	460.6
4°	452.5	453.1	452.5	453.1	453.6
5°	444.9	444.3	443.7	444.3	444.9
6°	434.4	433.8	433.3	433.8	434.4
7°	422.8	422.2	421.6	421.6	422.2
8°	408.2	408.8	407.0	408.2	408.8
9°	395.4	394.2	393.1	393.1	394.2
10°	379.7	378.5	378.5	377.9	377.9
12.5°	341.2	338.9	337.2	337.2	337.7
15°	302.2	299.3	295.2	295.8	296.4
17.5°	263.2	259.7	254.5	255.6	256.8
20°	226.5	223.0	216.6	219.0	220.7
22.5°	195.1	189.8	184.0	185.8	191.6
25°	166.0	161.3	153.7	157.8	161.3
27.5°	140.3	135.1	128.7	132.8	136.3
30°	117.6	113.0	107.1	110.6	114.1
32.5°	97.2	93.2	89.1	91.4	94.3
35°	78.6	76.3	73.4	75.7	77.4
37.5°	63.5	62.3	61.1	62.3	61.7
40°	50.7	51.2	50.7	50.7	49.5
42.5°	40.2	41.9	42.5	41.3	40.2
45°	34.4	34.9	36.1	34.9	34.4
47.5°	30.3	30.3	30.9	30.3	29.7
50°	27.4	27.4	27.4	27.4	27.4
52.5°	25.0	25.0	24.5	25.0	25.0
55°	23.3	22.7	22.7	22.7	23.3
57.5°	22.1	21.5	21.0	21.5	22.1
60°	21.0	19.8	19.2	19.8	21.0
62.5°	19.8	18.6	18.1	18.6	19.8
65°	19.2	17.5	16.3	17.5	19.2
67.5°	18.6	16.3	15.1	16.3	19.2
70°	18.6	15.1	13.4	15.7	18.6
72.5°	18.1	14.6	12.2	14.6	18.1
75°	18.1	13.4	11.1	13.4	18.1
77.5°	16.9	12.2	9.3	12.2	16.9
80°	15.1	11.1	7.6	11.1	14.6
82.5°	11.1	9.3	5.8	9.3	11.1
85°	5.8	6.4	3.5	6.4	6.4
87.5°	0.6	2.3	1.2	3.5	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)