

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: P1325992

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHRLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325992
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

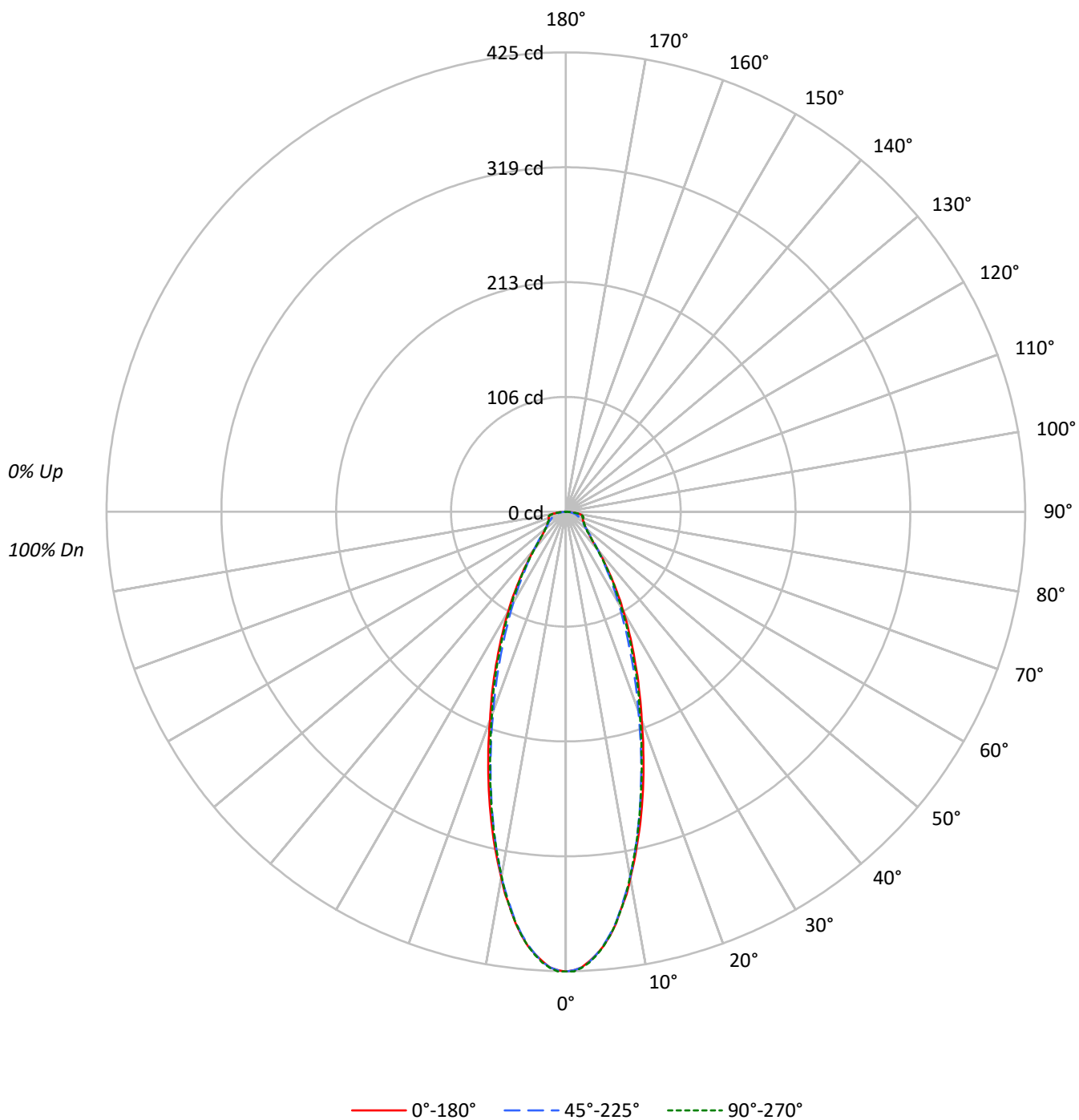
Lumens per Lamp: N/A
Luminaire Lumens: 300.0 lumens
Efficiency: N/A
Efficacy: 33.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	64	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	58	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°	73264	73264	73264
5°	69705	69533	69705
10°	60176	60001	59896
15°	48836	47713	47891
20°	37626	35977	36655
25°	28580	26471	27782
30°	21199	19310	20563
35°	14990	13981	14759
40°	10319	10319	10094
45°	7575	7964	7575
50°	6645	6645	6645
55°	6336	6185	6336
60°	6544	5993	6544
65°	7091	6031	7091
70°	8510	6093	8510
75°	10913	6654	10913
80°	13588	6843	13092
85°	10473	6323	11461

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 13588 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.5	12.2
10°-20°	74.5	24.8
20°-30°	66.5	22.2
30°-40°	43.7	14.6
40°-50°	25.4	8.5
50°-60°	18.8	6.3
60°-70°	15.9	5.3
70°-80°	13.1	4.4
80°-90°	5.5	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°	177.5	59.2
0°-40°	221.2	73.7
0°-60°	265.4	88.5
0°-90°	300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	300.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	425	425	425	425	425	
5°	403	403	402	403	403	37
15°	274	271	268	268	269	76
25°	150	146	139	143	146	69
35°	71	69	66	69	70	45
45°	31	32	33	32	31	25
55°	21	21	21	21	21	19
65°	17	16	15	16	17	17
75°	16	12	10	12	16	17
85°	5	6	3	6	6	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	425.4	425.4	425.4	425.4	425.4
1°	424.3	424.9	424.3	424.9	425.4
2°	421.7	422.2	421.7	421.7	422.2
3°	416.4	417.0	417.0	417.0	417.5
4°	410.1	410.6	410.1	410.6	411.1
5°	403.2	402.7	402.2	402.7	403.2
6°	393.7	393.2	392.7	393.2	393.7
7°	383.2	382.6	382.1	382.1	382.6
8°	370.0	370.5	368.9	370.0	370.5
9°	358.4	357.3	356.3	356.3	357.3
10°	344.1	343.1	343.1	342.5	342.5
12.5°	309.3	307.2	305.6	305.6	306.1
15°	273.9	271.3	267.6	268.1	268.6
17.5°	238.6	235.4	230.6	231.7	232.8
20°	205.3	202.1	196.3	198.4	200.0
22.5°	176.8	172.1	166.8	168.4	173.6
25°	150.4	146.2	139.3	143.0	146.2
27.5°	127.2	122.4	116.6	120.3	123.5
30°	106.6	102.4	97.1	100.3	103.4
32.5°	88.1	84.4	80.8	82.9	85.5
35°	71.3	69.1	66.5	68.6	70.2
37.5°	57.5	56.5	55.4	56.5	55.9
40°	45.9	46.4	45.9	45.9	44.9
42.5°	36.4	38.0	38.5	37.5	36.4
45°	31.1	31.7	32.7	31.7	31.1
47.5°	27.4	27.4	28.0	27.4	26.9
50°	24.8	24.8	24.8	24.8	24.8
52.5°	22.7	22.7	22.2	22.7	22.7
55°	21.1	20.6	20.6	20.6	21.1
57.5°	20.1	19.5	19.0	19.5	20.1
60°	19.0	17.9	17.4	17.9	19.0
62.5°	17.9	16.9	16.4	16.9	17.9
65°	17.4	15.8	14.8	15.8	17.4
67.5°	16.9	14.8	13.7	14.8	17.4
70°	16.9	13.7	12.1	14.3	16.9
72.5°	16.4	13.2	11.1	13.2	16.4
75°	16.4	12.1	10.0	12.1	16.4
77.5°	15.3	11.1	8.4	11.1	15.3
80°	13.7	10.0	6.9	10.0	13.2
82.5°	10.0	8.4	5.3	8.4	10.0
85°	5.3	5.8	3.2	5.8	5.8
87.5°	0.5	2.1	1.1	3.2	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)