

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: P1325994

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHRLP1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325994
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_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

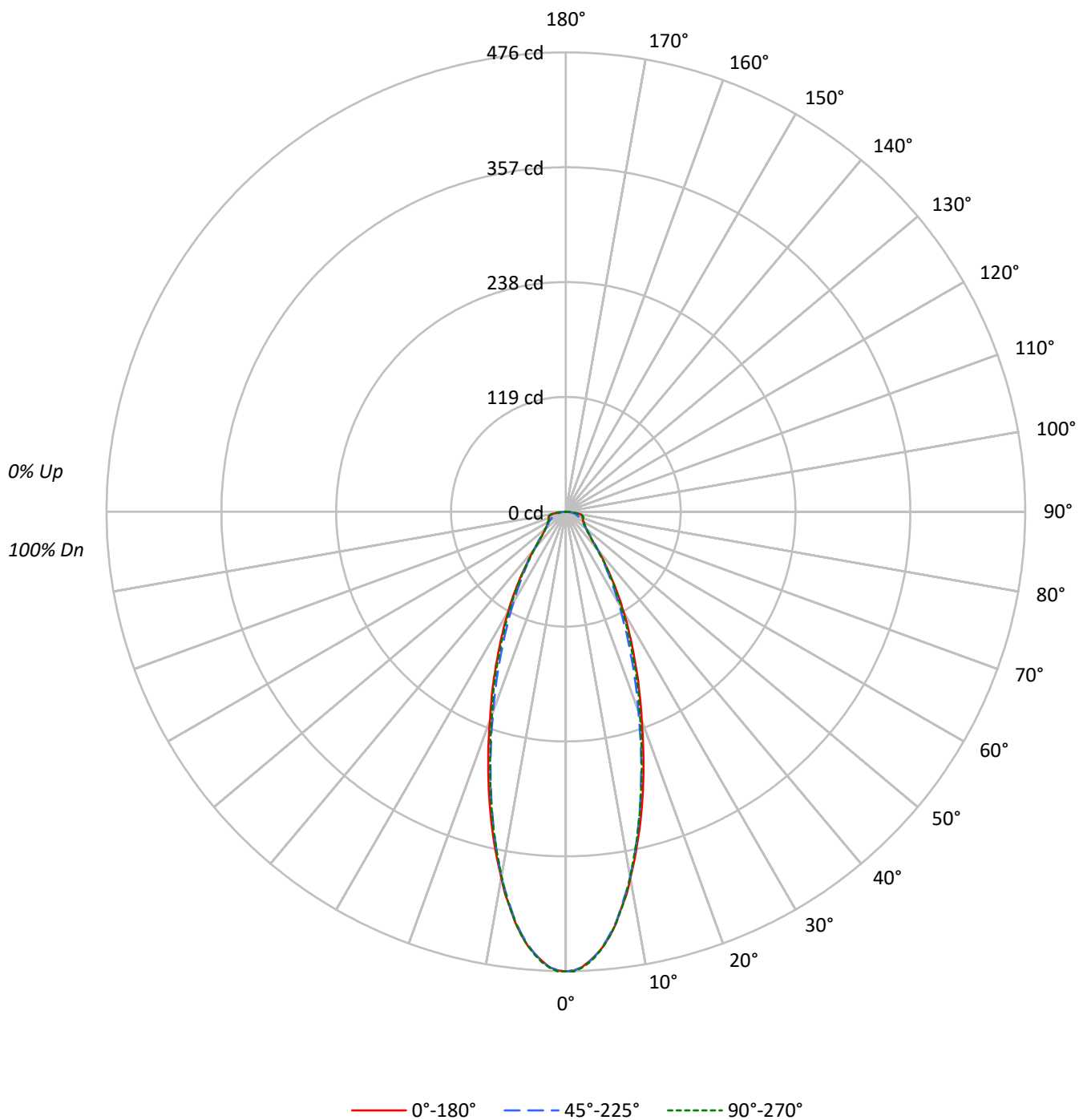
Lumens per Lamp: N/A
Luminaire Lumens: 336.0 lumens
Efficiency: N/A
Efficacy: 37.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1325994

CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQPHRLP1MW_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1325994

CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQPHRLP1MW_3500K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	82047	82047	82047
5°	78073	77865	78073
10°	67399	67189	67084
15°	54702	53436	53650
20°	42135	40302	41054
25°	32019	29663	31107
30°	23745	21637	23049
35°	16778	15663	16525
40°	11556	11556	11286
45°	8500	8914	8500
50°	7448	7448	7448
55°	7086	6936	7086
60°	7337	6717	7337
65°	7947	6765	7947
70°	9517	6848	9517
75°	12177	7453	12177
80°	15274	7637	14679
85°	11659	6916	12844

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 15274 cd/sqm

TEST NUMBER: P1325994

CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQPHRLP1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	12.2
10°-20°	83.5	24.8
20°-30°	74.5	22.2
30°-40°	48.9	14.6
40°-50°	28.4	8.5
50°-60°	21.1	6.3
60°-70°	17.8	5.3
70°-80°	14.7	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°	198.9	59.2
0°-40°	247.8	73.7
0°-60°	297.3	88.5
0°-90°	336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	336.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	476	476	476	476	476	
5°	452	451	450	451	452	41
15°	307	304	300	300	301	85
25°	168	164	156	160	164	78
35°	80	77	74	77	79	51
45°	35	36	37	36	35	28
55°	24	23	23	23	24	21
65°	20	18	17	18	20	19
75°	18	14	11	14	18	19
85°	6	6	4	6	6	7
90°	0	0	0	0	0	

TEST NUMBER: P1325994

CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQPHRLP1MW_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	476.4	476.4	476.4	476.4	476.4
1°	475.3	475.9	475.3	475.9	476.4
2°	472.3	472.9	472.3	472.3	472.9
3°	466.4	467.0	467.0	467.0	467.6
4°	459.3	459.9	459.3	459.9	460.5
5°	451.6	451.0	450.4	451.0	451.6
6°	441.0	440.4	439.8	440.4	441.0
7°	429.2	428.6	428.0	428.0	428.6
8°	414.4	415.0	413.2	414.4	415.0
9°	401.4	400.2	399.0	399.0	400.2
10°	385.4	384.2	384.2	383.6	383.6
12.5°	346.4	344.0	342.3	342.3	342.9
15°	306.8	303.8	299.7	300.3	300.9
17.5°	267.2	263.6	258.3	259.5	260.7
20°	229.9	226.4	219.9	222.3	224.0
22.5°	198.0	192.7	186.8	188.6	194.5
25°	168.5	163.7	156.1	160.2	163.7
27.5°	142.5	137.1	130.6	134.8	138.3
30°	119.4	114.7	108.8	112.3	115.9
32.5°	98.7	94.6	90.4	92.8	95.8
35°	79.8	77.4	74.5	76.8	78.6
37.5°	64.4	63.3	62.1	63.3	62.7
40°	51.4	52.0	51.4	51.4	50.2
42.5°	40.8	42.6	43.2	42.0	40.8
45°	34.9	35.5	36.6	35.5	34.9
47.5°	30.7	30.7	31.3	30.7	30.1
50°	27.8	27.8	27.8	27.8	27.8
52.5°	25.4	25.4	24.8	25.4	25.4
55°	23.6	23.1	23.1	23.1	23.6
57.5°	22.5	21.9	21.3	21.9	22.5
60°	21.3	20.1	19.5	20.1	21.3
62.5°	20.1	18.9	18.3	18.9	20.1
65°	19.5	17.7	16.6	17.7	19.5
67.5°	18.9	16.6	15.4	16.6	19.5
70°	18.9	15.4	13.6	16.0	18.9
72.5°	18.3	14.8	12.4	14.8	18.3
75°	18.3	13.6	11.2	13.6	18.3
77.5°	17.1	12.4	9.5	12.4	17.1
80°	15.4	11.2	7.7	11.2	14.8
82.5°	11.2	9.5	5.9	9.5	11.2
85°	5.9	6.5	3.5	6.5	6.5
87.5°	0.6	2.4	1.2	3.5	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)