

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: P1325996

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHRLP1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325996
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

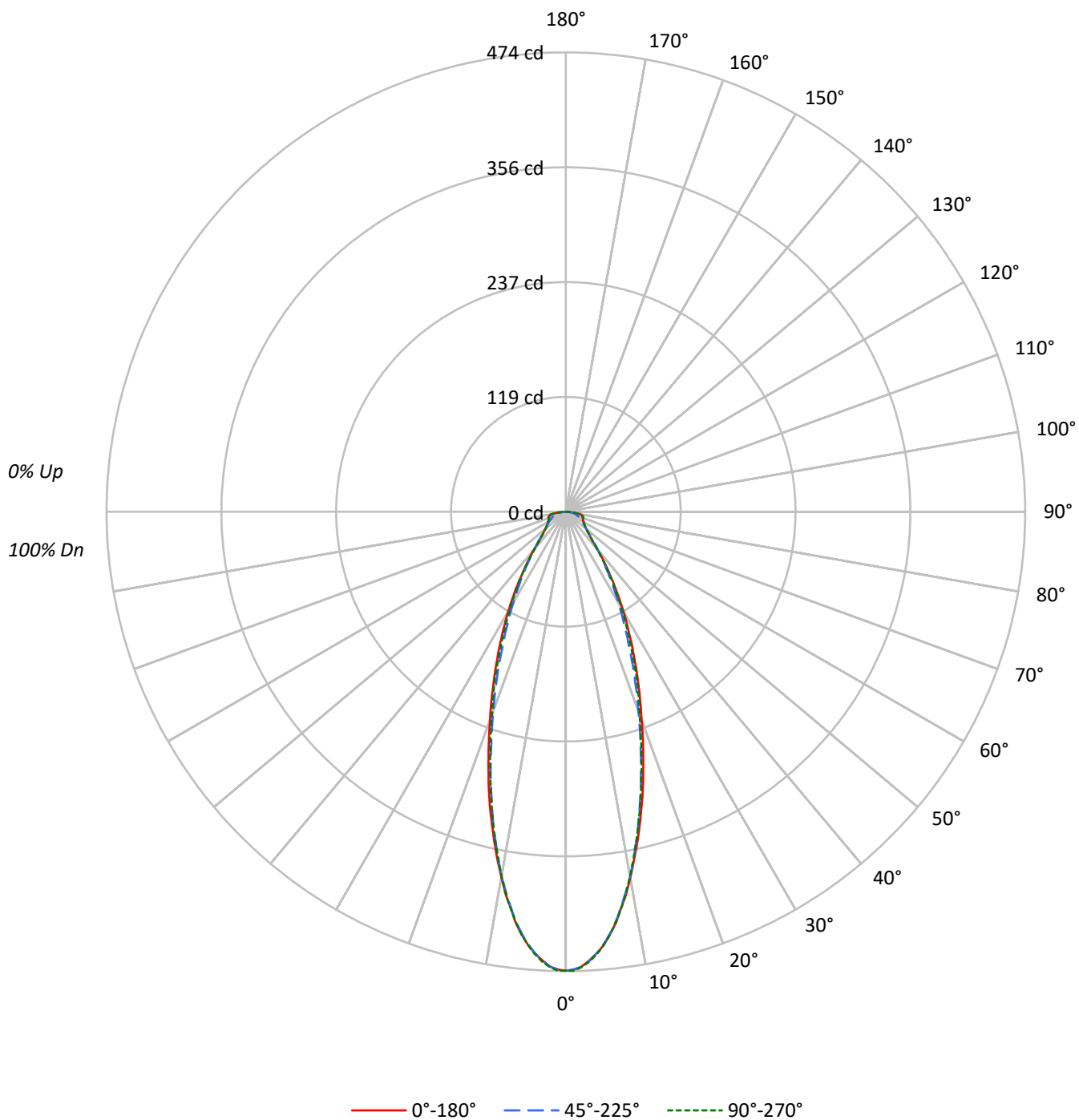
Lumens per Lamp: N/A
Luminaire Lumens: 334.0 lumens
Efficiency: N/A
Efficacy: 37.1 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				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	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°	81565	81565	81565
5°	77606	77416	77606
10°	66996	66786	66699
15°	54381	53115	53329
20°	41897	40064	40815
25°	31829	29473	30936
30°	23605	21497	22909
35°	16672	15558	16441
40°	11488	11488	11219
45°	8452	8866	8452
50°	7395	7395	7395
55°	7056	6876	7056
60°	7302	6682	7302
65°	7906	6724	7906
70°	9467	6798	9467
75°	12111	7453	12111
80°	15174	7538	14579
85°	11659	6916	12844

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 15174 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	12.2
10°-20°	83.0	24.8
20°-30°	74.1	22.2
30°-40°	48.6	14.6
40°-50°	28.3	8.5
50°-60°	21.0	6.3
60°-70°	17.7	5.3
70°-80°	14.6	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°	197.7	59.2
0°-40°	246.3	73.7
0°-60°	295.5	88.5
0°-90°	334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	334.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	474	474	474	474	474	
5°	449	448	448	448	449	41
15°	305	302	298	298	299	84
25°	168	163	155	159	163	77
35°	79	77	74	76	78	50
45°	35	35	36	35	35	28
55°	24	23	23	23	24	21
65°	19	18	16	18	19	19
75°	18	14	11	14	18	19
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°	473.6	473.6	473.6	473.6	473.6
1°	472.4	473.0	472.4	473.0	473.6
2°	469.5	470.1	469.5	469.5	470.1
3°	463.6	464.2	464.2	464.2	464.8
4°	456.6	457.2	456.6	457.2	457.7
5°	448.9	448.3	447.8	448.3	448.9
6°	438.4	437.8	437.2	437.8	438.4
7°	426.6	426.0	425.4	425.4	426.0
8°	411.9	412.5	410.7	411.9	412.5
9°	399.0	397.8	396.6	396.6	397.8
10°	383.1	381.9	381.9	381.4	381.4
12.5°	344.3	342.0	340.2	340.2	340.8
15°	305.0	302.0	297.9	298.5	299.1
17.5°	265.6	262.1	256.8	258.0	259.1
20°	228.6	225.1	218.6	220.9	222.7
22.5°	196.8	191.6	185.7	187.4	193.3
25°	167.5	162.8	155.1	159.2	162.8
27.5°	141.6	136.3	129.9	134.0	137.5
30°	118.7	114.0	108.1	111.6	115.2
32.5°	98.1	94.0	89.9	92.3	95.2
35°	79.3	77.0	74.0	76.4	78.2
37.5°	64.0	62.9	61.7	62.9	62.3
40°	51.1	51.7	51.1	51.1	49.9
42.5°	40.5	42.3	42.9	41.7	40.5
45°	34.7	35.3	36.4	35.3	34.7
47.5°	30.6	30.6	31.1	30.6	30.0
50°	27.6	27.6	27.6	27.6	27.6
52.5°	25.3	25.3	24.7	25.3	25.3
55°	23.5	22.9	22.9	22.9	23.5
57.5°	22.3	21.7	21.2	21.7	22.3
60°	21.2	20.0	19.4	20.0	21.2
62.5°	20.0	18.8	18.2	18.8	20.0
65°	19.4	17.6	16.5	17.6	19.4
67.5°	18.8	16.5	15.3	16.5	19.4
70°	18.8	15.3	13.5	15.9	18.8
72.5°	18.2	14.7	12.3	14.7	18.2
75°	18.2	13.5	11.2	13.5	18.2
77.5°	17.0	12.3	9.4	12.3	17.0
80°	15.3	11.2	7.6	11.2	14.7
82.5°	11.2	9.4	5.9	9.4	11.2
85°	5.9	6.5	3.5	6.5	6.5
87.5°	0.6	2.4	1.2	3.5	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)