

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: P1325824

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQPHRLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R15W2N902750DE010 3LSQPHRLP1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

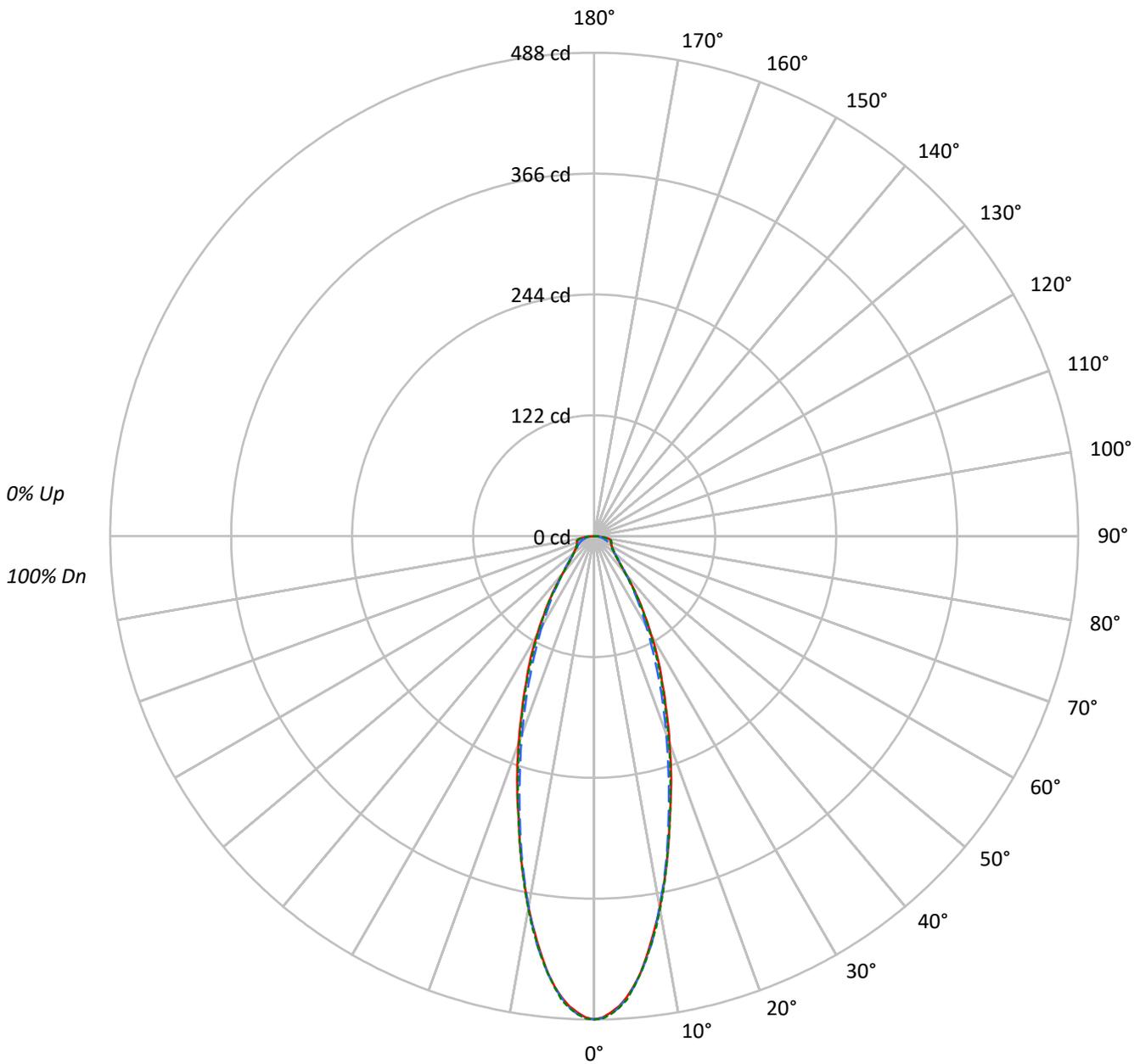
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 327.0 lumens
Efficiency: N/A
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	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	86	81	77	83	79	76	81	77	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	84010	84010	84010
5°	78903	79006	79006
10°	66647	66437	66856
15°	52420	51671	52527
20°	40742	38891	40192
25°	30746	28599	30290
30°	22870	20861	22392
35°	16315	15201	16084
40°	11061	11196	10926
45°	8232	8671	8232
50°	7154	7154	7154
55°	6936	6576	6936
60°	7130	6544	6958
65°	7743	6765	7743
70°	9265	6848	9265
75°	11844	7120	11844
80°	14679	7637	14083
85°	11659	7114	12844

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 14679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	12.6
10°-20°	81.3	24.9
20°-30°	71.9	22.0
30°-40°	47.2	14.4
40°-50°	27.6	8.4
50°-60°	20.3	6.2
60°-70°	17.3	5.3
70°-80°	14.3	4.4
80°-90°	5.9	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°	194.4	59.4
0°-40°	241.6	73.9
0°-60°	289.5	88.5
0°-90°	327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	327.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	488	488	488	488	488	
5°	456	456	457	458	457	41
15°	294	294	290	293	295	82
25°	162	156	150	155	159	75
35°	78	75	72	74	76	49
45°	34	34	36	34	34	27
55°	23	22	22	22	23	21
65°	19	17	17	17	19	19
75°	18	13	11	14	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°	487.8	487.8	487.8	487.8	487.8
1°	486.0	486.6	486.6	487.2	487.2
2°	481.3	482.5	483.0	483.0	483.0
3°	475.3	475.9	476.5	477.1	477.1
4°	467.0	467.6	467.6	468.8	469.4
5°	456.4	456.4	457.0	457.6	457.0
6°	443.9	443.9	444.5	444.5	444.5
7°	429.1	429.7	430.3	430.9	430.3
8°	413.1	413.7	415.5	415.5	414.9
9°	397.1	397.7	397.7	399.5	399.5
10°	381.1	381.1	379.9	381.1	382.3
12.5°	337.8	337.2	335.5	337.2	338.4
15°	294.0	294.0	289.8	293.4	294.6
17.5°	258.4	253.1	248.9	252.5	255.4
20°	222.3	216.9	212.2	215.7	219.3
22.5°	189.7	185.5	179.6	183.1	187.3
25°	161.8	156.5	150.5	154.7	159.4
27.5°	138.7	131.6	125.7	130.4	134.5
30°	115.0	110.2	104.9	108.5	112.6
32.5°	94.8	91.3	87.1	90.1	93.6
35°	77.6	74.7	72.3	74.1	76.5
37.5°	62.2	61.0	59.9	60.5	60.5
40°	49.2	49.8	49.8	49.8	48.6
42.5°	40.3	40.9	42.1	40.9	40.3
45°	33.8	34.4	35.6	34.4	33.8
47.5°	29.6	30.2	30.8	29.6	29.6
50°	26.7	26.7	26.7	26.7	26.7
52.5°	24.9	24.3	24.3	24.3	24.9
55°	23.1	22.5	21.9	22.5	23.1
57.5°	21.3	20.7	20.2	20.7	21.3
60°	20.7	19.6	19.0	19.6	20.2
62.5°	19.6	18.4	17.8	18.4	19.6
65°	19.0	17.2	16.6	17.2	19.0
67.5°	18.4	16.0	14.8	16.0	18.4
70°	18.4	14.8	13.6	15.4	18.4
72.5°	17.8	14.2	11.9	14.2	17.8
75°	17.8	13.0	10.7	13.6	17.8
77.5°	16.6	11.9	8.9	12.4	16.6
80°	14.8	10.7	7.7	11.3	14.2
82.5°	10.7	8.9	5.9	8.9	10.7
85°	5.9	6.5	3.6	5.9	6.5
87.5°	0.6	1.8	1.2	3.6	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)