

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: P1324218

Luminaire Tested: LDSQA3D05R15W2N902750DE010 3LSQPHRLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324218
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: LDSQA3D05R15W2N902750DE010 3LSQPHRLP1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

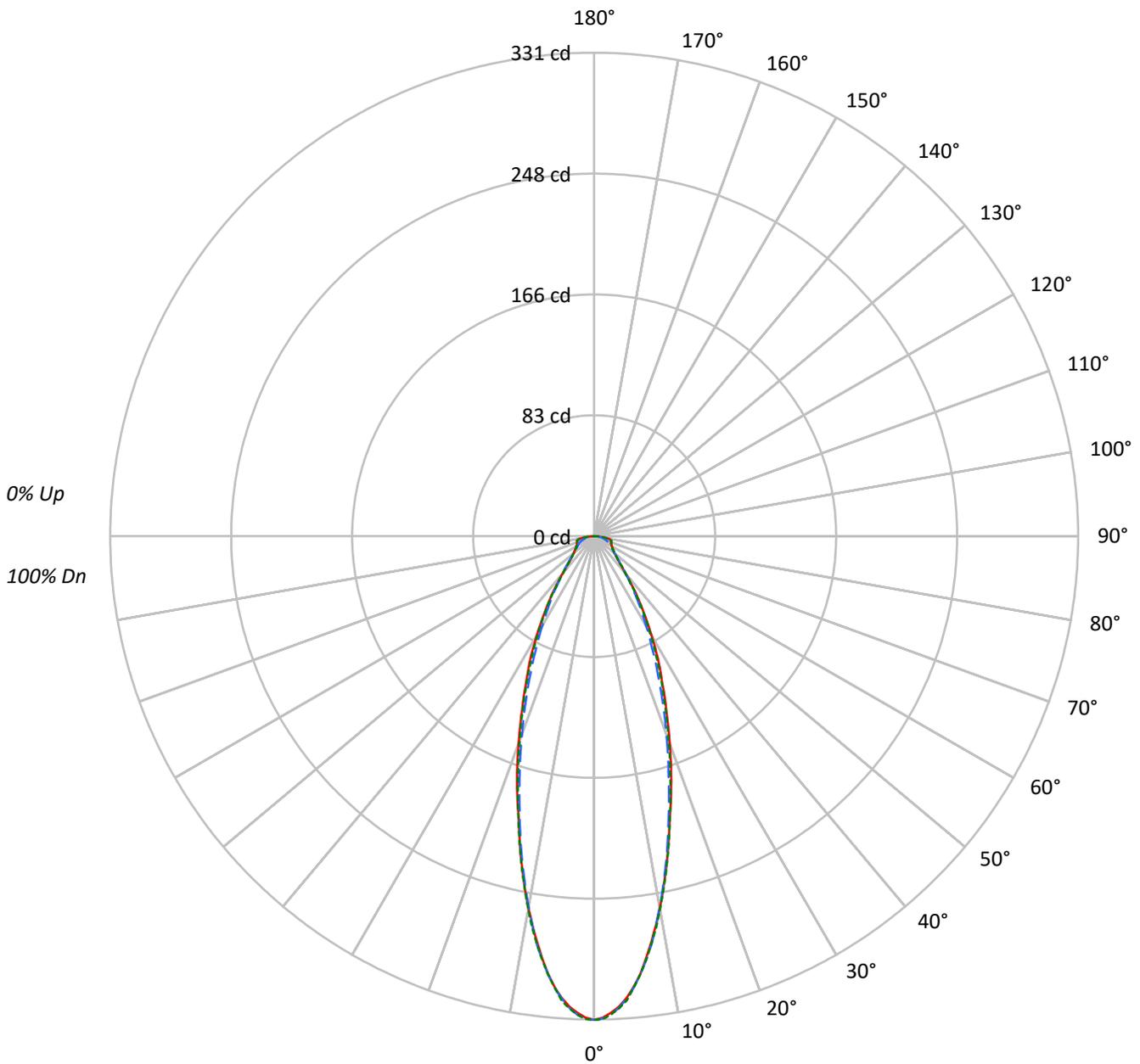
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 222.0 lumens
Efficiency: N/A
Efficacy: 37.6 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): 5.9
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80	80	80	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73	73	73	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66	66	66	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61	61	61	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57	57	57	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53	53	53	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50	50	50	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47	47	47	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	45	45	45	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	57040	57040	57040
5°	53558	53628	53628
10°	45241	45101	45381
15°	35588	35089	35660
20°	27656	26410	27290
25°	20865	19421	20561
30°	15531	14159	15213
35°	11080	10323	10912
40°	7509	7599	7419
45°	5578	5870	5578
50°	4850	4850	4850
55°	4714	4474	4714
60°	4857	4443	4719
65°	5257	4605	5257
70°	6294	4683	6294
75°	8052	4791	8052
80°	10017	5157	9620
85°	7904	4742	8695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 10017 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	12.6
10°-20°	55.2	24.9
20°-30°	48.8	22.0
30°-40°	32.1	14.4
40°-50°	18.7	8.4
50°-60°	13.8	6.2
60°-70°	11.8	5.3
70°-80°	9.7	4.4
80°-90°	4.0	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°	131.9	59.4
0°-40°	164.0	73.9
0°-60°	196.5	88.5
0°-90°	222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	222.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	331	331	331	331	331	
5°	310	310	310	311	310	28
15°	200	200	197	199	200	56
25°	110	106	102	105	108	51
35°	53	51	49	50	52	33
45°	23	23	24	23	23	18
55°	16	15	15	15	16	14
65°	13	12	11	12	13	13
75°	12	9	7	9	12	12
85°	4	4	2	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	331.2	331.2	331.2	331.2	331.2
1°	329.9	330.4	330.4	330.8	330.8
2°	326.7	327.5	327.9	327.9	327.9
3°	322.7	323.1	323.5	323.9	323.9
4°	317.1	317.5	317.5	318.3	318.7
5°	309.8	309.8	310.2	310.6	310.2
6°	301.4	301.4	301.8	301.8	301.8
7°	291.3	291.7	292.1	292.5	292.1
8°	280.5	280.9	282.1	282.1	281.7
9°	269.6	270.0	270.0	271.2	271.2
10°	258.7	258.7	257.9	258.7	259.5
12.5°	229.4	229.0	227.7	229.0	229.8
15°	199.6	199.6	196.8	199.2	200.0
17.5°	175.4	171.8	169.0	171.4	173.4
20°	150.9	147.3	144.1	146.5	148.9
22.5°	128.8	125.9	121.9	124.3	127.2
25°	109.8	106.2	102.2	105.0	108.2
27.5°	94.2	89.3	85.3	88.5	91.3
30°	78.1	74.8	71.2	73.6	76.5
32.5°	64.4	62.0	59.1	61.2	63.6
35°	52.7	50.7	49.1	50.3	51.9
37.5°	42.2	41.4	40.6	41.0	41.0
40°	33.4	33.8	33.8	33.8	33.0
42.5°	27.4	27.8	28.6	27.8	27.4
45°	22.9	23.3	24.1	23.3	22.9
47.5°	20.1	20.5	20.9	20.1	20.1
50°	18.1	18.1	18.1	18.1	18.1
52.5°	16.9	16.5	16.5	16.5	16.9
55°	15.7	15.3	14.9	15.3	15.7
57.5°	14.5	14.1	13.7	14.1	14.5
60°	14.1	13.3	12.9	13.3	13.7
62.5°	13.3	12.5	12.1	12.5	13.3
65°	12.9	11.7	11.3	11.7	12.9
67.5°	12.5	10.9	10.1	10.9	12.5
70°	12.5	10.1	9.3	10.5	12.5
72.5°	12.1	9.7	8.0	9.7	12.1
75°	12.1	8.9	7.2	9.3	12.1
77.5°	11.3	8.0	6.0	8.4	11.3
80°	10.1	7.2	5.2	7.6	9.7
82.5°	7.2	6.0	4.0	6.0	7.2
85°	4.0	4.4	2.4	4.0	4.4
87.5°	0.4	1.2	0.8	2.4	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)