

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: P1327775

Luminaire Tested: LDSQA3D13R25W2N902750DE010 3LSQPHRLP1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R25W2N902750DE010 3LSQPHRLP1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

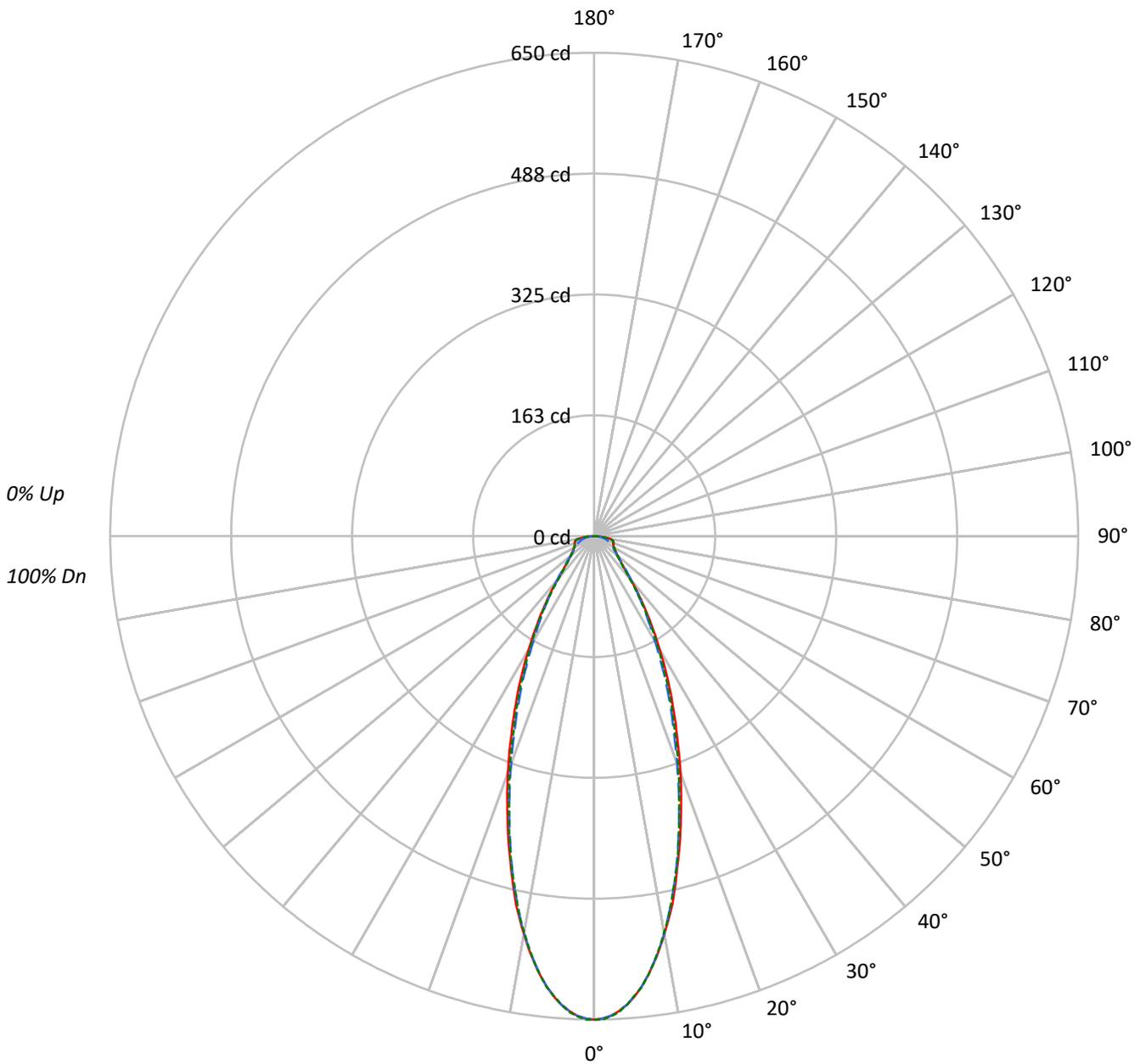
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 491.0 lumens
Efficiency: N/A
Efficacy: 39.9 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	89
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	81	81	80
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	74	74	72
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	68	68	66
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	63	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	58	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	54	54	53
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	51	51	49
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	48	48	46
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	45	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	111962	111962	111962
5°	107428	107290	107290
10°	94977	94837	94557
15°	78433	77328	77738
20°	62130	59583	60573
25°	47317	44808	45986
30°	34861	32395	33787
35°	24956	23821	24136
40°	17086	17446	16569
45°	12665	13420	12470
50°	11012	11012	10798
55°	10479	10029	10479
60°	10678	9886	10678
65°	11696	10106	11696
70°	14049	10172	13696
75°	17567	10846	17567
80°	22315	11505	20728
85°	18377	10671	18377

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 22315 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	11.6
10°-20°	120.5	24.6
20°-30°	110.5	22.5
30°-40°	72.9	14.8
40°-50°	42.4	8.6
50°-60°	31.0	6.3
60°-70°	26.3	5.4
70°-80°	21.8	4.4
80°-90°	9.0	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°	287.7	58.6
0°-40°	360.6	73.4
0°-60°	434.0	88.4
0°-90°	491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	491.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	650	650	650	650	650	
5°	621	621	621	621	621	57
15°	440	438	434	435	436	122
25°	249	242	236	237	242	114
35°	119	116	113	113	115	75
45°	52	54	55	52	51	42
55°	35	35	33	34	35	32
65°	29	26	25	26	29	29
75°	26	20	16	20	26	28
85°	9	10	5	10	9	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	650.1	650.1	650.1	650.1	650.1
1°	648.6	648.6	648.6	648.6	650.1
2°	645.5	644.7	645.5	645.5	646.2
3°	639.3	639.3	639.3	639.3	640.8
4°	631.5	631.5	631.5	631.5	631.5
5°	621.4	620.6	620.6	621.4	620.6
6°	609.0	609.0	609.0	609.0	609.8
7°	595.0	594.3	594.3	593.5	595.0
8°	578.7	578.7	578.0	577.2	578.7
9°	561.7	562.5	560.9	560.1	560.1
10°	543.1	542.3	542.3	542.3	540.7
11°	524.4	522.1	521.3	521.3	522.9
12°	505.8	501.9	500.4	500.4	500.4
13°	483.3	481.8	479.4	477.9	478.7
14°	460.8	460.8	456.9	456.9	458.5
15°	439.9	438.3	433.7	435.2	436.0
17.5°	387.9	384.8	379.4	379.4	380.1
20°	339.0	333.6	325.1	328.9	330.5
22.5°	290.9	285.5	277.0	280.8	282.4
25°	249.0	242.0	235.8	236.6	242.0
27.5°	211.0	203.3	197.1	199.4	202.5
30°	175.3	170.7	162.9	166.8	169.9
32.5°	145.1	141.2	135.8	138.1	141.2
35°	118.7	116.4	113.3	113.3	114.8
37.5°	96.2	95.4	93.9	93.1	92.3
40°	76.0	77.6	77.6	76.0	73.7
42.5°	62.1	63.6	65.2	62.1	59.7
45°	52.0	53.5	55.1	52.0	51.2
47.5°	45.8	46.5	47.3	45.8	45.0
50°	41.1	41.1	41.1	40.3	40.3
52.5°	38.0	37.2	36.5	37.2	37.2
55°	34.9	34.9	33.4	34.1	34.9
57.5°	32.6	31.8	31.0	31.8	32.6
60°	31.0	29.5	28.7	29.5	31.0
62.5°	29.5	27.9	26.4	27.9	29.5
65°	28.7	26.4	24.8	26.4	28.7
67.5°	27.9	24.8	22.5	24.8	27.9
70°	27.9	23.3	20.2	23.3	27.2
72.5°	27.2	21.7	18.6	21.7	27.2
75°	26.4	20.2	16.3	20.2	26.4
77.5°	25.6	18.6	14.0	18.6	24.8
80°	22.5	17.1	11.6	17.1	20.9
82.5°	16.3	14.0	9.3	14.0	15.5
85°	9.3	10.1	5.4	10.1	9.3
87.5°	1.6	2.3	1.6	3.9	3.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)