

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: P1327430

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQPHRLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327430
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: LDSQA3D13R15W2N902750DE010 3LSQPHRLP1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

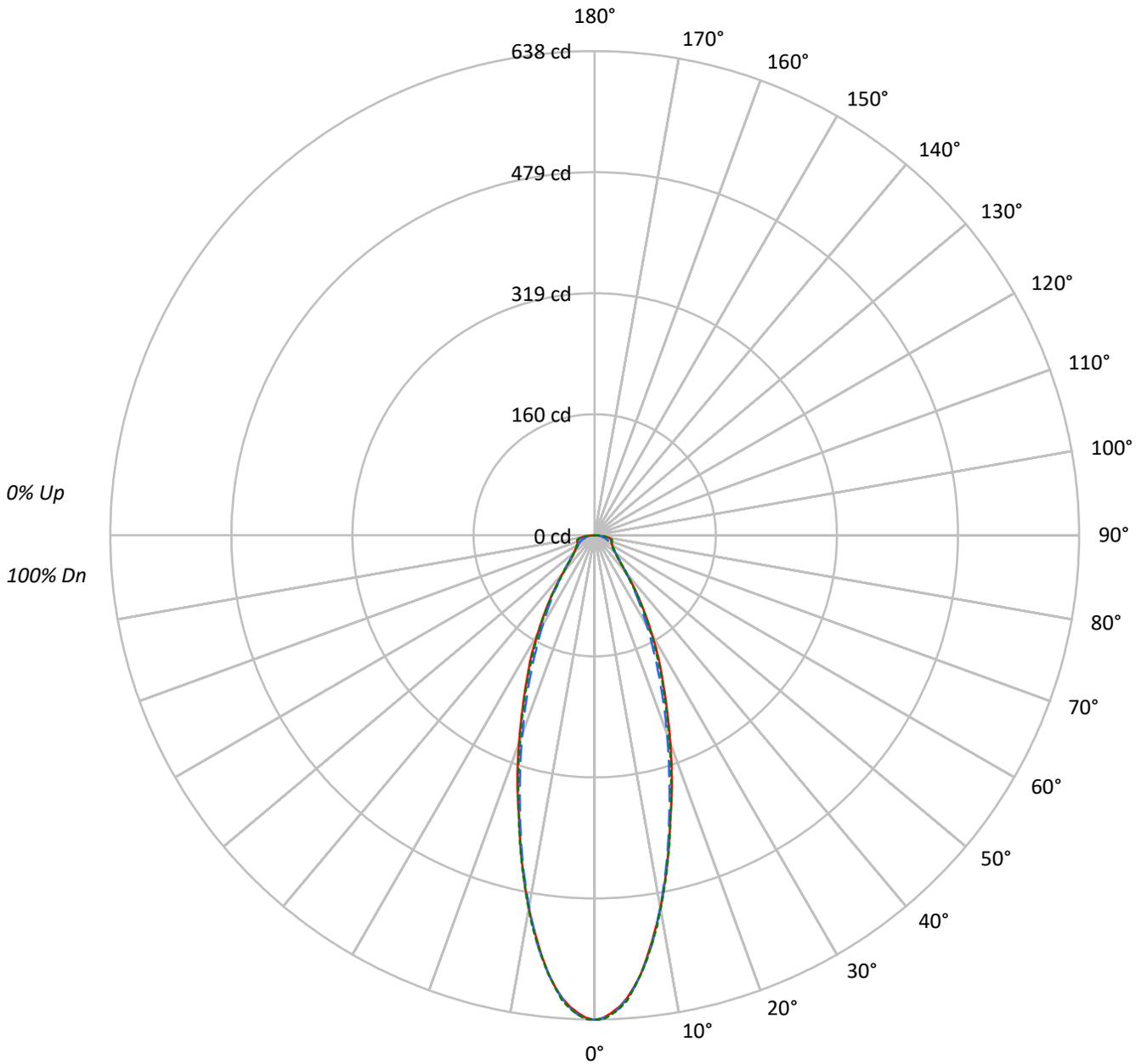
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 428.0 lumens
Efficiency: N/A
Efficacy: 34.8 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): 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% Up
100% Dn

— 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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	109947	109947	109947
5°	103262	103400	103400
10°	87230	86968	87510
15°	68609	67628	68752
20°	53315	50896	52600
25°	40248	37435	39659
30°	29929	27304	29313
35°	21361	19889	21046
40°	14478	14658	14299
45°	10765	11326	10765
50°	9351	9351	9351
55°	9098	8617	9098
60°	9369	8542	9093
65°	10106	8843	10106
70°	12085	8963	12085
75°	15504	9316	15504
80°	19241	10017	18447
85°	15413	9287	16796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 19241 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.8	12.6
10°-20°	106.4	24.9
20°-30°	94.1	22.0
30°-40°	61.8	14.4
40°-50°	36.1	8.4
50°-60°	26.6	6.2
60°-70°	22.7	5.3
70°-80°	18.7	4.4
80°-90°	7.8	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°	254.4	59.4
0°-40°	316.2	73.9
0°-60°	378.9	88.5
0°-90°	428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	638	638	638	638	638	
5°	597	597	598	599	598	54
15°	385	385	379	384	386	108
25°	212	205	197	202	209	98
35°	102	98	95	97	100	64
45°	44	45	46	45	44	36
55°	30	30	29	30	30	27
65°	25	22	22	22	25	25
75°	23	17	14	18	23	24
85°	8	8	5	8	8	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	638.4	638.4	638.4	638.4	638.4
1°	636.1	636.9	636.9	637.7	637.7
2°	629.9	631.5	632.2	632.2	632.2
3°	622.2	622.9	623.7	624.5	624.5
4°	611.3	612.1	612.1	613.6	614.4
5°	597.3	597.3	598.1	598.9	598.1
6°	581.0	581.0	581.8	581.8	581.8
7°	561.6	562.4	563.2	564.0	563.2
8°	540.7	541.5	543.8	543.8	543.0
9°	519.8	520.5	520.5	522.9	522.9
10°	498.8	498.8	497.3	498.8	500.4
12.5°	442.2	441.4	439.1	441.4	443.0
15°	384.8	384.8	379.3	384.0	385.6
17.5°	338.2	331.2	325.8	330.5	334.4
20°	290.9	283.9	277.7	282.4	287.0
22.5°	248.2	242.8	235.1	239.7	245.1
25°	211.8	204.8	197.0	202.5	208.7
27.5°	181.5	172.2	164.5	170.7	176.1
30°	150.5	144.3	137.3	142.0	147.4
32.5°	124.1	119.5	114.0	117.9	122.6
35°	101.6	97.7	94.6	97.0	100.1
37.5°	81.5	79.9	78.4	79.1	79.1
40°	64.4	65.2	65.2	65.2	63.6
42.5°	52.8	53.5	55.1	53.5	52.8
45°	44.2	45.0	46.5	45.0	44.2
47.5°	38.8	39.6	40.3	38.8	38.8
50°	34.9	34.9	34.9	34.9	34.9
52.5°	32.6	31.8	31.8	31.8	32.6
55°	30.3	29.5	28.7	29.5	30.3
57.5°	27.9	27.2	26.4	27.2	27.9
60°	27.2	25.6	24.8	25.6	26.4
62.5°	25.6	24.0	23.3	24.0	25.6
65°	24.8	22.5	21.7	22.5	24.8
67.5°	24.0	20.9	19.4	20.9	24.0
70°	24.0	19.4	17.8	20.2	24.0
72.5°	23.3	18.6	15.5	18.6	23.3
75°	23.3	17.1	14.0	17.8	23.3
77.5°	21.7	15.5	11.6	16.3	21.7
80°	19.4	14.0	10.1	14.7	18.6
82.5°	14.0	11.6	7.8	11.6	14.0
85°	7.8	8.5	4.7	7.8	8.5
87.5°	0.8	2.3	1.6	4.7	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)