

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: P1327431

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQPHRLP1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327431
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

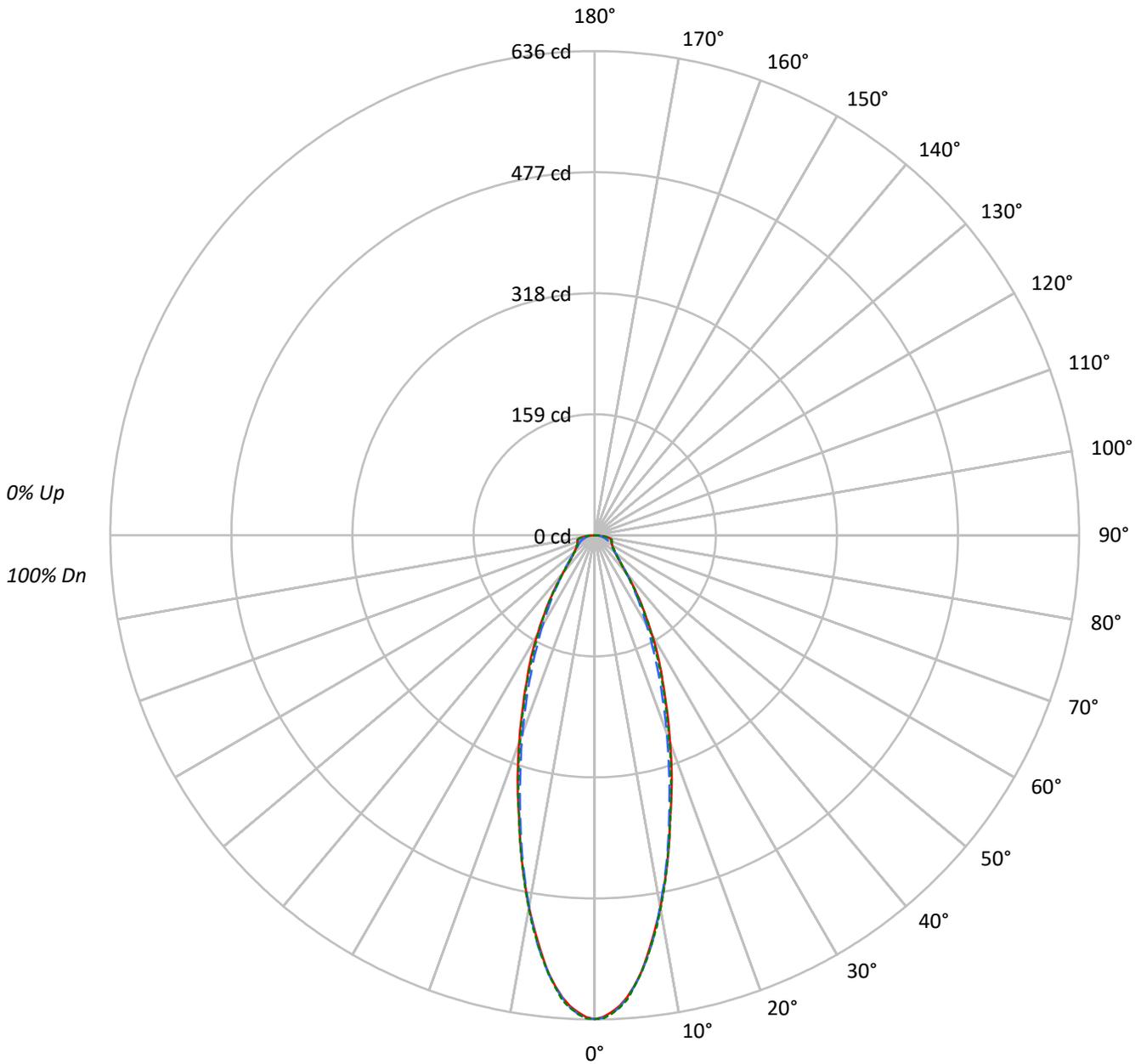
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 426.0 lumens
Efficiency: N/A
Efficacy: 34.6 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): 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	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	73	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°	109447	109447	109447
5°	102777	102916	102916
10°	86828	86548	87090
15°	68288	67325	68413
20°	53058	50657	52362
25°	40058	37264	39469
30°	29790	27185	29174
35°	21256	19805	20940
40°	14411	14591	14231
45°	10717	11277	10717
50°	9297	9297	9297
55°	9038	8587	9038
60°	9300	8508	9059
65°	10066	8802	10066
70°	12035	8963	12035
75°	15438	9249	15438
80°	19142	9918	18348
85°	15215	9090	16796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 19142 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	12.6
10°-20°	105.9	24.9
20°-30°	93.6	22.0
30°-40°	61.5	14.4
40°-50°	36.0	8.4
50°-60°	26.5	6.2
60°-70°	22.6	5.3
70°-80°	18.6	4.4
80°-90°	7.7	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°	253.2	59.4
0°-40°	314.7	73.9
0°-60°	377.1	88.5
0°-90°	426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	426.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	636	636	636	636	636	
5°	594	594	595	596	595	53
15°	383	383	378	382	384	107
25°	211	204	196	202	208	97
35°	101	97	94	96	100	64
45°	44	45	46	45	44	35
55°	30	29	29	29	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°	635.5	635.5	635.5	635.5	635.5
1°	633.1	633.9	633.9	634.7	634.7
2°	627.0	628.5	629.3	629.3	629.3
3°	619.2	620.0	620.8	621.6	621.6
4°	608.4	609.2	609.2	610.8	611.5
5°	594.5	594.5	595.3	596.1	595.3
6°	578.3	578.3	579.1	579.1	579.1
7°	559.0	559.8	560.6	561.3	560.6
8°	538.2	538.9	541.3	541.3	540.5
9°	517.3	518.1	518.1	520.4	520.4
10°	496.5	496.5	494.9	496.5	498.0
12.5°	440.1	439.3	437.0	439.3	440.9
15°	383.0	383.0	377.6	382.2	383.7
17.5°	336.6	329.7	324.3	328.9	332.8
20°	289.5	282.6	276.4	281.1	285.7
22.5°	247.1	241.7	234.0	238.6	244.0
25°	210.8	203.8	196.1	201.5	207.7
27.5°	180.7	171.4	163.7	169.9	175.3
30°	149.8	143.6	136.7	141.3	146.7
32.5°	123.5	118.9	113.5	117.4	122.0
35°	101.1	97.3	94.2	96.5	99.6
37.5°	81.1	79.5	78.0	78.8	78.8
40°	64.1	64.9	64.9	64.9	63.3
42.5°	52.5	53.3	54.8	53.3	52.5
45°	44.0	44.8	46.3	44.8	44.0
47.5°	38.6	39.4	40.2	38.6	38.6
50°	34.7	34.7	34.7	34.7	34.7
52.5°	32.4	31.7	31.7	31.7	32.4
55°	30.1	29.3	28.6	29.3	30.1
57.5°	27.8	27.0	26.3	27.0	27.8
60°	27.0	25.5	24.7	25.5	26.3
62.5°	25.5	23.9	23.2	23.9	25.5
65°	24.7	22.4	21.6	22.4	24.7
67.5°	23.9	20.8	19.3	20.8	23.9
70°	23.9	19.3	17.8	20.1	23.9
72.5°	23.2	18.5	15.4	18.5	23.2
75°	23.2	17.0	13.9	17.8	23.2
77.5°	21.6	15.4	11.6	16.2	21.6
80°	19.3	13.9	10.0	14.7	18.5
82.5°	13.9	11.6	7.7	11.6	13.9
85°	7.7	8.5	4.6	7.7	8.5
87.5°	0.8	2.3	1.5	4.6	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)