

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: P1325281

Luminaire Tested: LDSQA3D05R50W2N902750DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R50W2N902750DE010 3LSQCDR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

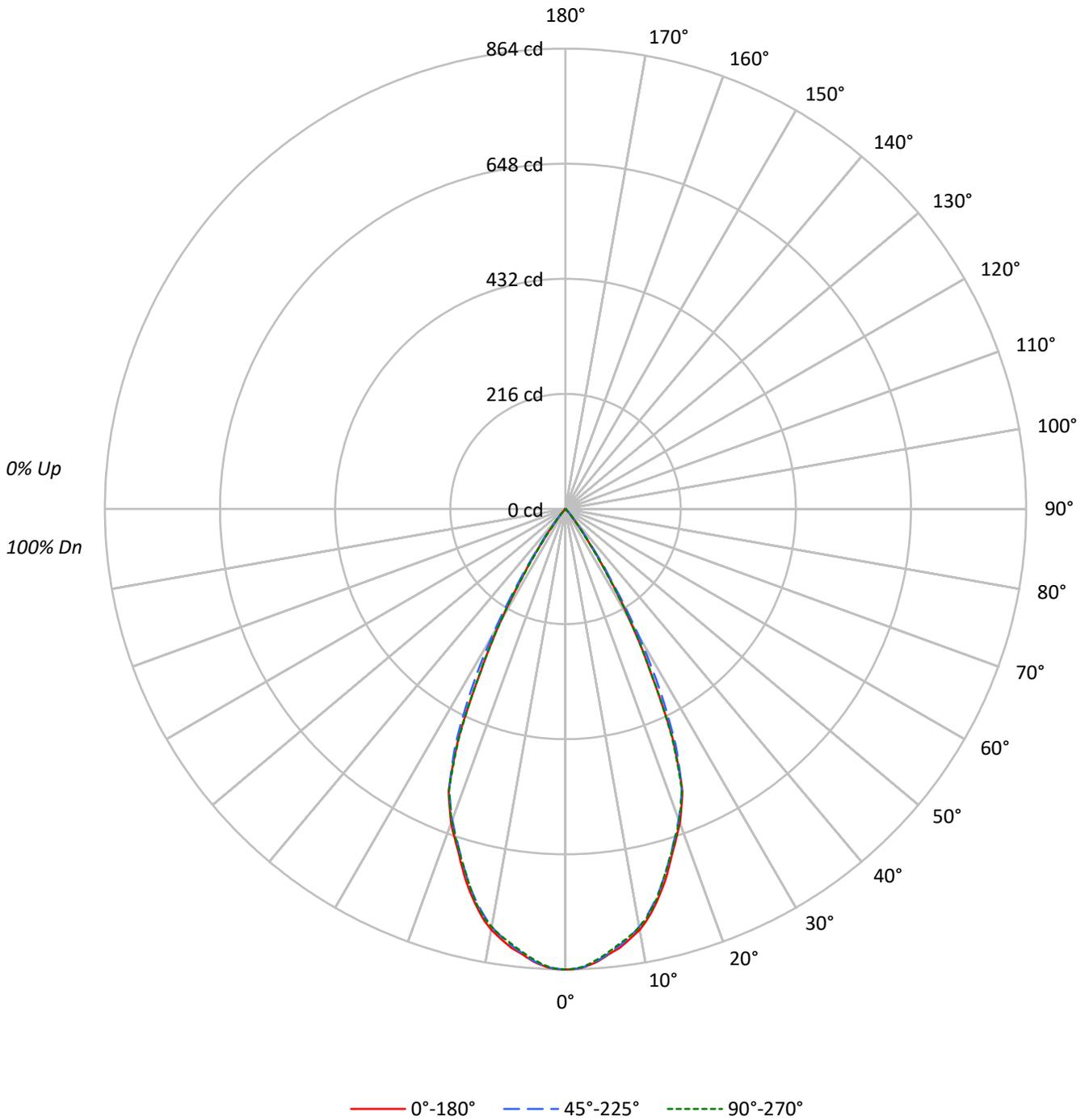
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 557.0 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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





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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	148852	148852	148852
5°	145928	145669	145254
10°	140218	139257	139326
15°	128731	127537	127394
20°	115005	113777	114346
25°	90377	93018	89636
30°	48364	54171	48523
35°	15789	18460	14885
40°	3912	4879	3732
45°	487	1729	487
50°	322	536	322
55°	360	360	360
60°	276	276	276
65°	326	326	326
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1729 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	14.2
10°-20°	199.9	35.9
20°-30°	210.2	37.7
30°-40°	60.6	10.9
40°-50°	4.9	0.9
50°-60°	1.1	0.2
60°-70°	0.8	0.1
70°-80°	0.4	0.1
80°-90°	0.1	0.0
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°	489.1	87.8
0°-40°	549.7	98.7
0°-60°	555.7	99.8
0°-90°	557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	557.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	864	864	864	864	864	
5°	844	844	843	843	840	79
15°	722	717	715	715	714	201
25°	476	488	490	484	472	206
35°	75	78	88	75	71	58
45°	2	4	7	4	2	4
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	864.3	864.3	864.3	864.3	864.3
1°	863.9	864.7	863.1	865.9	863.5
2°	861.9	862.3	861.5	863.5	860.4
3°	857.2	858.0	856.4	858.0	855.2
4°	851.7	851.7	850.1	851.3	847.7
5°	844.1	843.8	842.6	843.4	840.2
6°	836.2	835.8	833.9	833.9	831.5
7°	830.3	827.5	826.0	825.6	823.2
8°	820.8	820.0	816.9	816.9	815.3
9°	811.3	810.5	807.0	807.8	806.6
10°	801.8	799.1	796.3	796.7	796.7
11°	789.2	786.8	782.9	784.4	785.2
12°	774.2	771.4	767.8	771.0	770.6
13°	757.6	755.2	752.4	754.8	754.0
14°	740.2	736.6	734.2	735.8	735.0
15°	722.0	717.2	715.3	715.3	714.5
17.5°	671.0	668.2	666.2	665.0	667.8
20°	627.5	625.1	620.8	621.9	623.9
22.5°	572.9	572.5	570.1	568.2	570.5
25°	475.6	487.5	489.5	484.0	471.7
27.5°	345.6	373.2	383.1	370.1	347.5
30°	243.2	256.2	272.4	246.7	244.0
32.5°	146.7	150.2	165.3	147.5	143.5
35°	75.1	77.9	87.8	75.1	70.8
37.5°	35.2	36.8	40.7	35.2	32.8
40°	17.4	19.4	21.7	18.2	16.6
42.5°	7.5	9.9	12.7	9.5	6.7
45°	2.0	4.0	7.1	4.0	2.0
47.5°	1.2	1.6	4.0	1.6	1.2
50°	1.2	1.2	2.0	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	0.8	1.2	0.8	1.2	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.0	0.4	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)