

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: P1325276

Luminaire Tested: LDSQA3D05R50W2N902750DE010 3LSQCDR1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R50W2N902750DE010 3LSQCDR1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

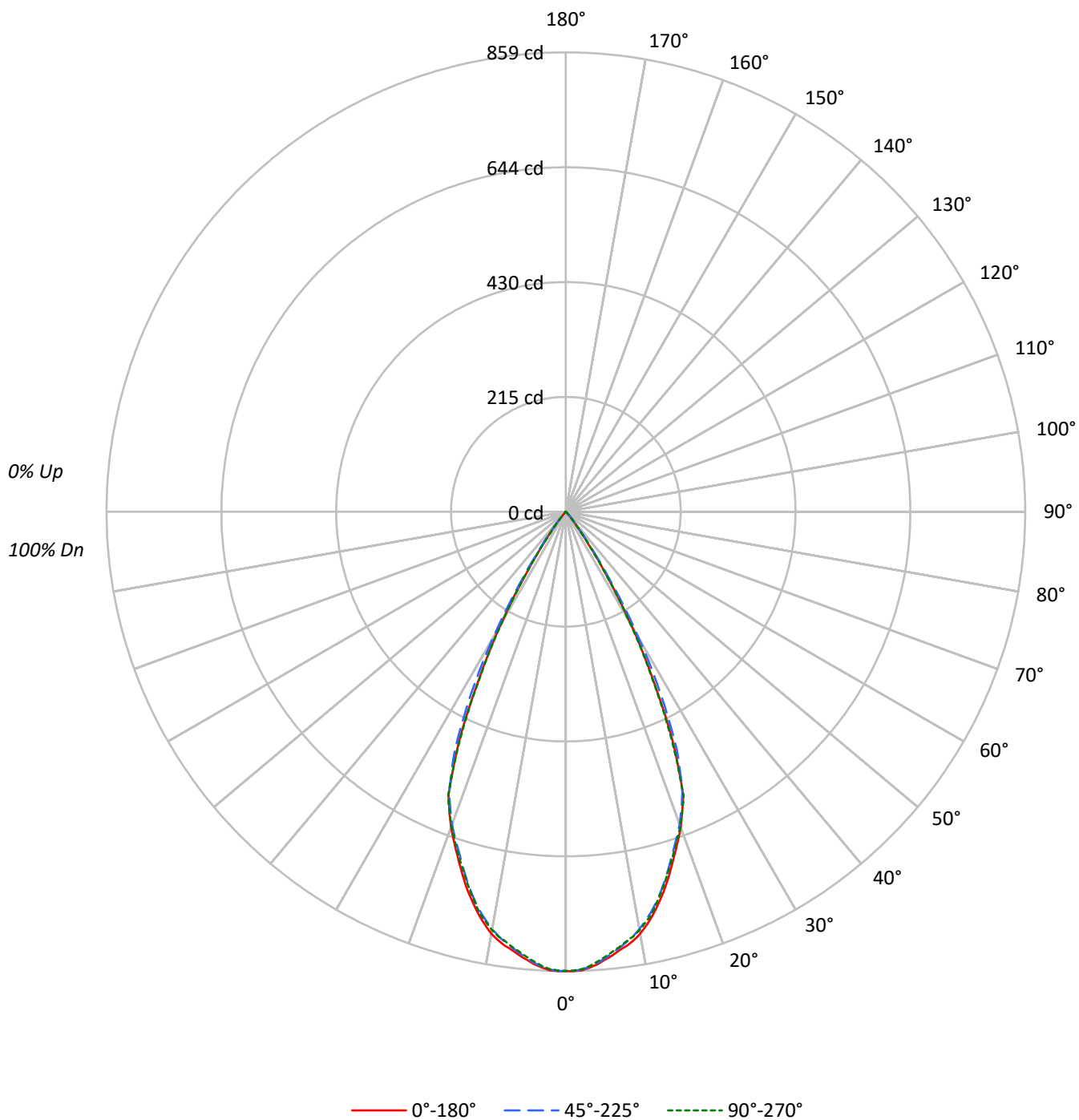
Lumens per Lamp: N/A
Luminaire Lumens: 553.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1325276

CATALOG NUMBER: LDSQA3D05R50W2N902750DE010 3LSQCDR1MMS_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1325276

CATALOG NUMBER: LDSQA3D05R50W2N902750DE010 3LSQCDR1MMS_3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	147905	147905	147905
5°	145323	144908	144494
10°	140148	138627	138907
15°	128927	127305	127661
20°	115115	114034	114694
25°	89598	93360	88628
30°	48543	54191	47668
35°	15306	18207	14969
40°	3372	4721	3192
45°	97	1437	97
50°	0	214	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1437 cd/sqm

TEST NUMBER: P1325276

CATALOG NUMBER: LDSQA3D05R50W2N902750DE010 3LSQCDR1MMS_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	14.2
10°-20°	199.9	36.1
20°-30°	210.5	38.1
30°-40°	60.1	10.9
40°-50°	3.7	0.7
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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	88.4
0°-40°	549.3	99.3
0°-60°	553.0	100.0
0°-90°	553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	553.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	859	859	859	859	859	
5°	841	840	838	837	836	79
15°	723	718	714	715	716	201
25°	472	489	491	486	466	206
35°	73	78	87	74	71	57
45°	0	2	6	2	0	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1325276

CATALOG NUMBER: LDSQA3D05R50W2N902750DE010 3LSQCDR1MMS_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	858.8	858.8	858.8	858.8	858.8
1°	859.2	859.6	858.8	859.6	857.6
2°	858.0	857.2	856.4	856.8	855.6
3°	853.6	853.2	851.6	852.0	850.5
4°	848.1	846.9	845.7	844.9	843.3
5°	840.6	839.8	838.2	837.4	835.8
6°	834.2	832.7	829.9	829.1	827.5
7°	825.9	825.1	821.6	820.8	820.0
8°	819.6	817.2	812.9	813.3	811.3
9°	811.3	808.1	803.8	803.8	804.2
10°	801.4	796.7	792.7	793.9	794.3
11°	788.4	785.2	779.3	782.0	782.0
12°	774.1	770.2	765.8	768.2	769.8
13°	757.5	754.3	750.4	752.8	752.0
14°	741.3	735.3	732.6	735.7	734.6
15°	723.1	718.3	714.0	715.2	716.0
17.5°	674.4	669.3	666.1	666.5	670.1
20°	628.1	626.2	622.2	623.8	625.8
22.5°	573.6	574.4	569.6	570.8	575.5
25°	471.5	488.9	491.3	485.7	466.4
27.5°	349.3	375.4	383.3	370.6	346.9
30°	244.1	251.2	272.5	248.4	239.7
32.5°	143.2	153.9	165.3	148.7	142.8
35°	72.8	77.9	86.6	73.6	71.2
37.5°	33.6	36.0	39.6	33.6	31.6
40°	15.0	17.8	21.0	17.0	14.2
42.5°	4.7	8.3	11.1	7.5	4.4
45°	0.4	2.0	5.9	2.0	0.4
47.5°	0.0	0.4	2.4	0.4	0.0
50°	0.0	0.0	0.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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



TEST NUMBER: P1325276

CATALOG NUMBER: LDSQA3D05R50W2N902750DE010 3LSQCDR1MMS_3000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)