

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: P1325270

Luminaire Tested: LDSQA3D05R50W2N902750DE010 3LSQCDR1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325270
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 3LSQCDR1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

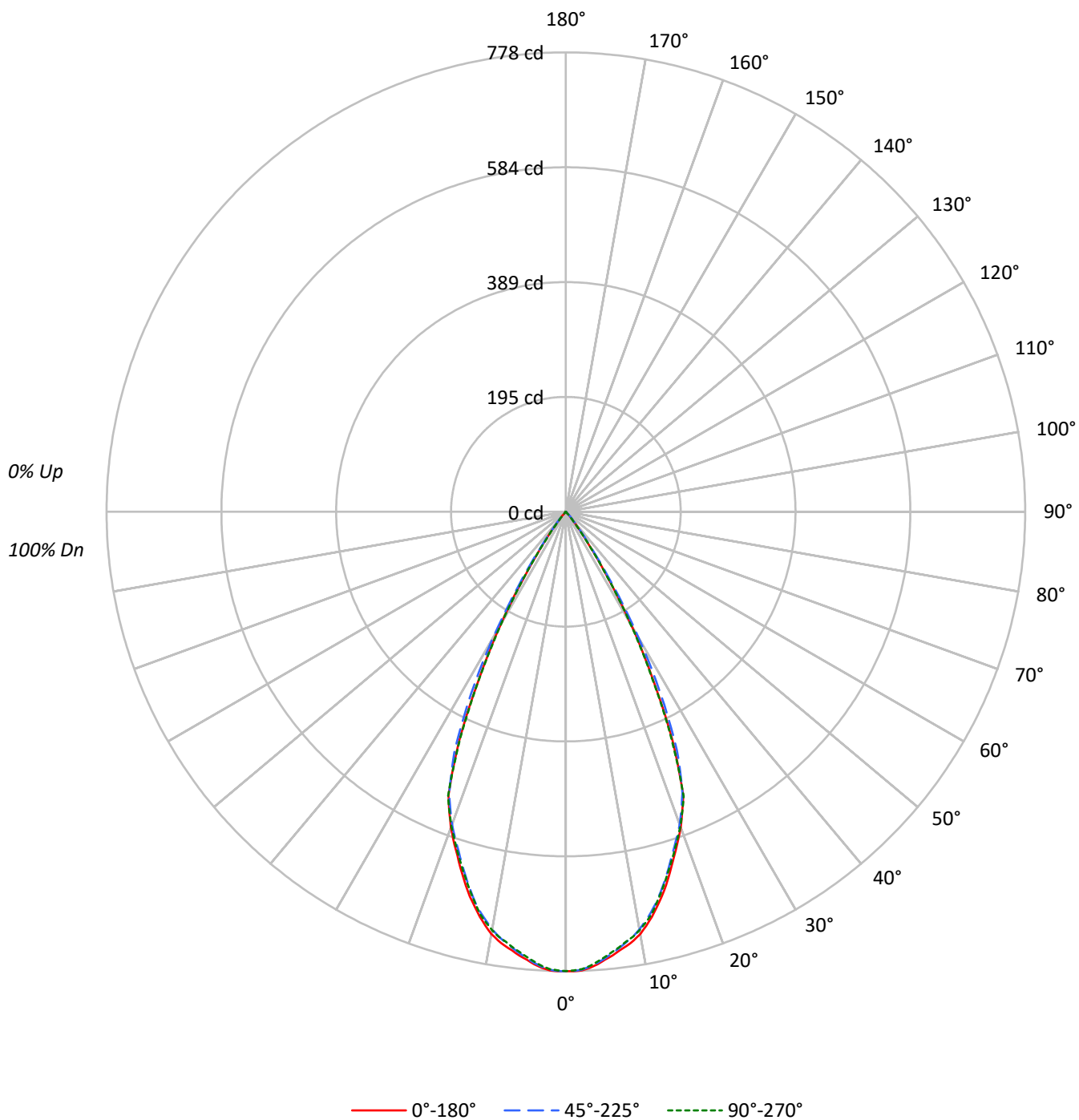
Lumens per Lamp: N/A
Luminaire Lumens: 501.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1325270

CATALOG NUMBER: LDSQA3D05R50W2N902750DE010 3LSQCDR1MB_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1325270

CATALOG NUMBER: LDSQA3D05R50W2N902750DE010 3LSQCDR1MB_2700K

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°	133989	133989	133989
5°	131649	131285	130905
10°	126962	125598	125843
15°	116803	115323	115644
20°	104302	103312	103899
25°	81179	84581	80286
30°	43969	49100	43194
35°	13855	16504	13561
40°	3058	4272	2900
45°	97	1315	97
50°	0	188	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: 1315 cd/sqm

TEST NUMBER: P1325270

CATALOG NUMBER: LDSQA3D05R50W2N902750DE010 3LSQCDR1MB_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	14.2
10°-20°	181.1	36.1
20°-30°	190.7	38.1
30°-40°	54.5	10.9
40°-50°	3.4	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°	443.1	88.4
0°-40°	497.6	99.3
0°-60°	501.0	100.0
0°-90°	501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	778	778	778	778	778	
5°	762	761	759	759	757	72
15°	655	651	647	648	649	182
25°	427	443	445	440	422	187
35°	66	71	78	67	64	51
45°	0	2	5	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: P1325270

CATALOG NUMBER: LDSQA3D05R50W2N902750DE010 3LSQCDR1MB_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	778.0	778.0	778.0	778.0	778.0
1°	778.4	778.7	778.0	778.7	776.9
2°	777.3	776.6	775.9	776.2	775.1
3°	773.4	773.0	771.6	771.9	770.5
4°	768.3	767.3	766.2	765.5	764.0
5°	761.5	760.8	759.4	758.7	757.2
6°	755.8	754.4	751.8	751.1	749.7
7°	748.3	747.5	744.3	743.6	742.9
8°	742.5	740.4	736.4	736.8	735.0
9°	735.0	732.1	728.2	728.2	728.6
10°	726.0	721.7	718.2	719.2	719.6
11°	714.2	711.4	706.0	708.5	708.5
12°	701.3	697.7	693.8	695.9	697.4
13°	686.3	683.4	679.8	682.0	681.3
14°	671.6	666.2	663.7	666.6	665.5
15°	655.1	650.8	646.8	647.9	648.6
17.5°	611.0	606.4	603.5	603.8	607.1
20°	569.1	567.3	563.7	565.1	566.9
22.5°	519.6	520.3	516.0	517.1	521.4
25°	427.2	442.9	445.1	440.1	422.5
27.5°	316.4	340.1	347.3	335.8	314.3
30°	221.1	227.6	246.9	225.1	217.2
32.5°	129.7	139.4	149.8	134.7	129.4
35°	65.9	70.6	78.5	66.7	64.5
37.5°	30.5	32.6	35.8	30.5	28.7
40°	13.6	16.1	19.0	15.4	12.9
42.5°	4.3	7.5	10.0	6.8	3.9
45°	0.4	1.8	5.4	1.8	0.4
47.5°	0.0	0.4	2.2	0.4	0.0
50°	0.0	0.0	0.7	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: P1325270

CATALOG NUMBER: LDSQA3D05R50W2N902750DE010 3LSQCDR1MB_2700K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)