

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: P1325280

Luminaire Tested: LDSQA3D05R50W2N902750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325280
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

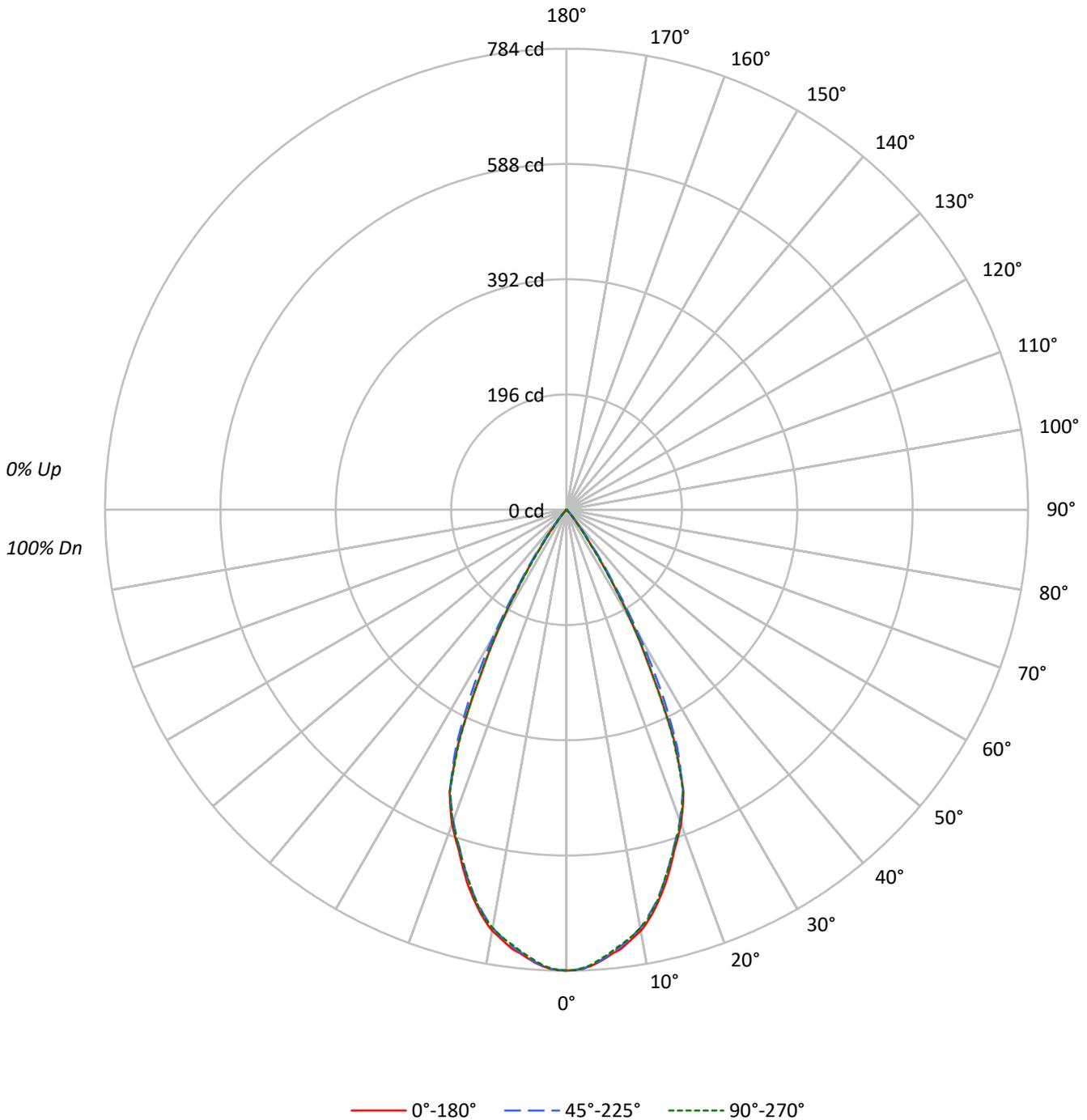
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 505.1 lumens
Efficiency: N/A
Efficacy: 85.6 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	86	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°	134954	134954	134954
5°	132305	132063	131700
10°	127137	126263	126315
15°	116714	115626	115501
20°	104265	103147	103679
25°	81939	84334	81274
30°	43850	49120	43989
35°	14318	16736	13498
40°	3552	4429	3395
45°	438	1583	438
50°	295	482	295
55°	330	330	330
60°	241	241	241
65°	285	285	285
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: 1583 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	14.2
10°-20°	181.2	35.9
20°-30°	190.6	37.7
30°-40°	54.9	10.9
40°-50°	4.5	0.9
50°-60°	1.0	0.2
60°-70°	0.7	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°	443.5	87.8
0°-40°	498.4	98.7
0°-60°	503.9	99.8
0°-90°	505.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	505.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	765	765	764	765	762	72
15°	655	650	648	648	648	182
25°	431	442	444	439	428	187
35°	68	71	80	68	64	53
45°	2	4	6	4	2	3
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°	783.6	783.6	783.6	783.6	783.6
1°	783.3	784.0	782.5	785.1	782.9
2°	781.5	781.8	781.1	782.9	780.0
3°	777.2	777.9	776.5	777.9	775.4
4°	772.2	772.2	770.7	771.8	768.6
5°	765.3	765.0	763.9	764.6	761.8
6°	758.2	757.8	756.0	756.0	753.9
7°	752.8	750.3	748.8	748.5	746.3
8°	744.2	743.5	740.6	740.6	739.2
9°	735.6	734.9	731.6	732.4	731.3
10°	727.0	724.5	722.0	722.3	722.3
11°	715.5	713.4	709.8	711.2	711.9
12°	701.9	699.4	696.2	699.0	698.7
13°	686.8	684.7	682.2	684.3	683.6
14°	671.1	667.8	665.7	667.1	666.4
15°	654.6	650.3	648.5	648.5	647.8
17.5°	608.3	605.8	604.0	603.0	605.5
20°	568.9	566.7	562.8	563.9	565.7
22.5°	519.4	519.1	516.9	515.1	517.3
25°	431.2	442.0	443.8	438.8	427.7
27.5°	313.3	338.4	347.4	335.5	315.1
30°	220.5	232.3	247.0	223.7	221.2
32.5°	133.0	136.2	149.8	133.7	130.1
35°	68.1	70.6	79.6	68.1	64.2
37.5°	31.9	33.3	36.9	31.9	29.8
40°	15.8	17.6	19.7	16.5	15.1
42.5°	6.8	9.0	11.5	8.6	6.1
45°	1.8	3.6	6.5	3.6	1.8
47.5°	1.1	1.4	3.6	1.4	1.1
50°	1.1	1.1	1.8	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	0.7	1.1	0.7	1.1	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
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)