

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: P1325379

Luminaire Tested: LDSQA3D05R55W2N902750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R55W2N902750DE010 3LSQCDR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

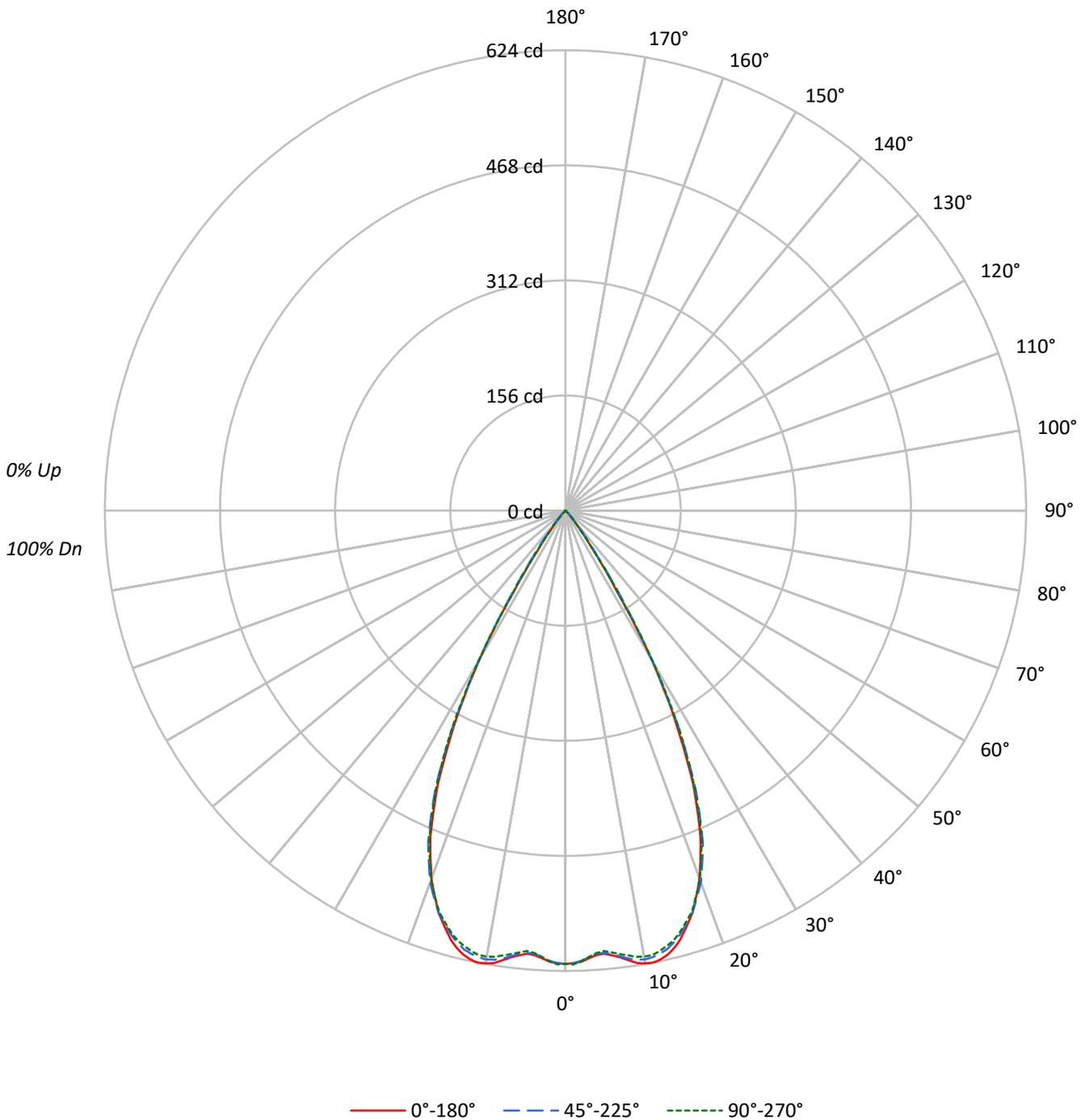
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 471.0 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	105779	105779	105779
5°	104264	104074	103590
10°	108967	108041	107341
15°	107282	106319	105873
20°	97283	98254	97539
25°	77778	79412	78671
30°	46654	46654	47211
35°	13477	15958	13939
40°	3867	5238	3867
45°	877	1997	877
50°	375	670	295
55°	330	330	330
60°	379	379	379
65°	285	285	285
70°	352	352	352
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1997 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	12.4
10°-20°	166.0	35.2
20°-30°	182.9	38.8
30°-40°	55.9	11.9
40°-50°	5.5	1.2
50°-60°	1.0	0.2
60°-70°	0.8	0.2
70°-80°	0.5	0.1
80°-90°	0.2	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°	407.1	86.4
0°-40°	463.0	98.3
0°-60°	469.6	99.7
0°-90°	471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	471.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	614	614	614	614	614	
5°	603	603	602	600	599	58
15°	602	601	596	594	594	167
25°	409	413	418	422	414	180
35°	64	67	76	70	66	53
45°	4	5	8	5	4	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°	614.2	614.2	614.2	614.2	614.2
1°	613.5	613.8	613.5	612.8	615.3
2°	612.0	611.7	610.6	610.3	611.3
3°	607.4	607.4	606.0	605.2	605.6
4°	603.8	603.8	601.7	600.9	601.3
5°	603.1	603.1	602.0	600.2	599.2
6°	606.0	606.7	604.2	602.4	602.4
7°	610.3	610.6	608.8	606.3	605.6
8°	615.6	616.0	613.1	610.3	608.8
9°	621.0	620.3	616.3	613.5	612.4
10°	623.1	622.8	617.8	614.9	613.8
11°	624.2	622.4	616.7	614.2	613.8
12°	621.7	620.3	614.2	611.7	610.6
13°	617.4	615.3	610.3	607.7	606.3
14°	610.6	608.5	603.8	600.9	601.3
15°	601.7	600.6	596.3	593.8	593.8
17.5°	571.9	572.7	571.6	570.5	569.8
20°	530.8	533.6	536.1	534.7	532.2
22.5°	478.1	483.1	486.0	486.7	482.0
25°	409.3	413.3	417.9	421.9	414.0
27.5°	323.8	327.3	331.6	334.1	333.1
30°	234.6	234.9	234.6	239.2	237.4
32.5°	130.4	141.1	142.9	146.1	134.7
35°	64.1	67.3	75.9	69.8	66.3
37.5°	30.8	32.9	41.2	33.7	32.2
40°	17.2	18.6	23.3	19.3	17.2
42.5°	8.2	10.7	12.5	11.1	8.2
45°	3.6	5.4	8.2	5.4	3.6
47.5°	1.4	2.1	5.0	2.1	1.4
50°	1.4	1.1	2.5	1.1	1.1
52.5°	1.1	1.1	1.4	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°	1.1	1.1	1.1	1.1	1.1
62.5°	0.7	1.1	1.1	1.1	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°	0.7	0.7	0.7	0.7	0.7
72.5°	0.4	0.7	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°	0.4	0.4	0.4	0.4	0.4
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)