

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: P1324744

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQPHRLD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R30W2N902750DE010 3LSQPHRLD1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

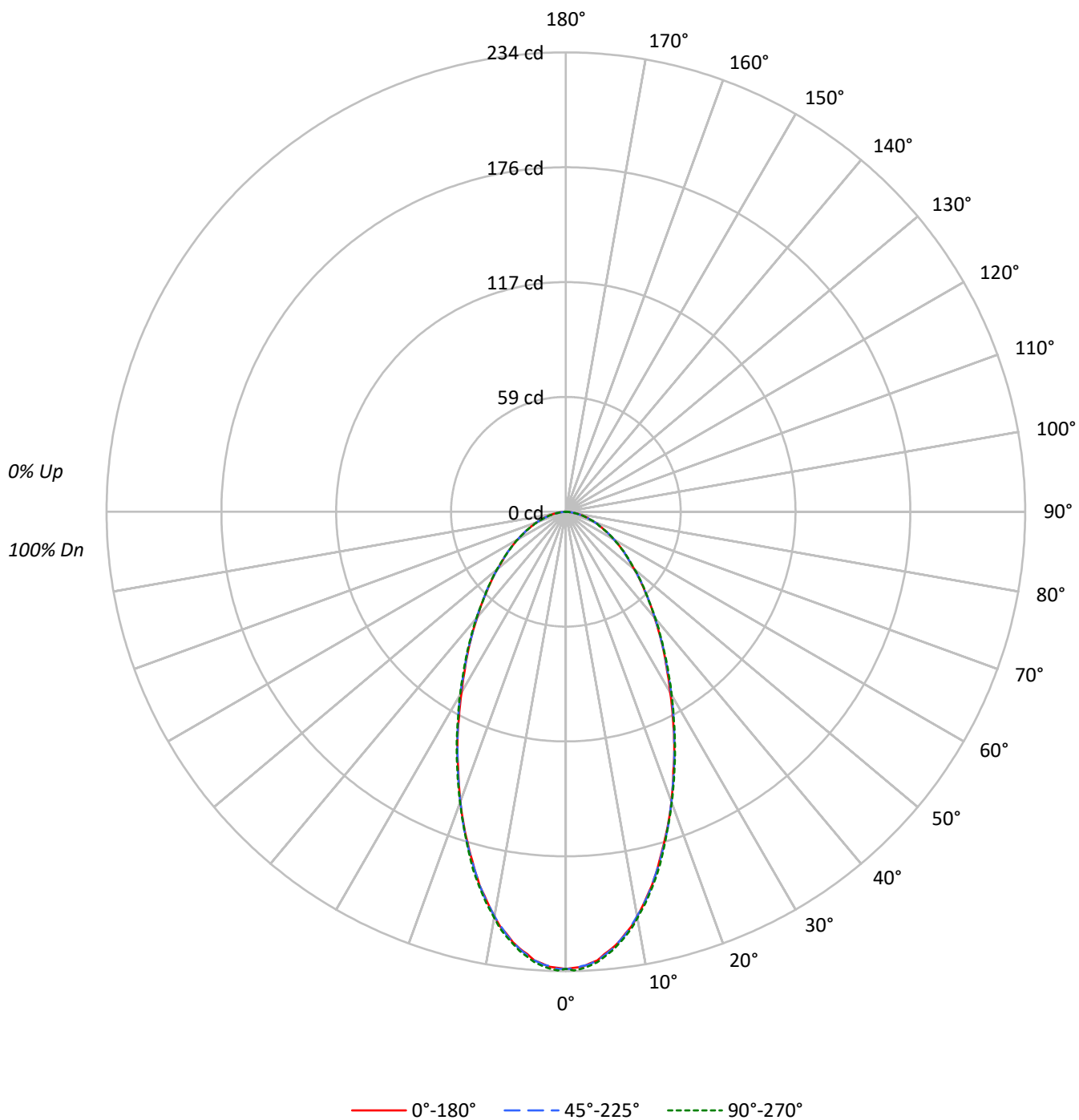
Lumens per Lamp: N/A
Luminaire Lumens: 299.0 lumens
Efficiency: N/A
Efficacy: 50.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	100		
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77		
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68		
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61		
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54		
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41		
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38		
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40111	40111	40111
5°	39106	39192	39330
10°	36602	36602	36742
15°	32825	32896	33110
20°	28811	28811	28884
25°	24836	24836	24989
30°	21139	21378	21458
35°	18270	18354	18438
40°	15805	15895	15985
45°	13810	13907	13907
50°	12191	12191	12298
55°	10930	10930	10930
60°	9817	9817	9817
65°	8762	8762	8762
70°	7906	7906	7906
75°	7187	6854	6854
80°	6149	5752	5752
85°	4150	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 13907 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	7.1
10°-20°	51.4	17.2
20°-30°	60.1	20.1
30°-40°	54.6	18.3
40°-50°	44.1	14.8
50°-60°	32.6	10.9
60°-70°	21.4	7.2
70°-80°	11.1	3.7
80°-90°	2.5	0.8
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°	132.5	44.3
0°-40°	187.2	62.6
0°-60°	263.9	88.3
0°-90°	299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	299.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	233	233	233	233	233	
5°	226	226	227	227	228	21
15°	184	184	184	184	186	51
25°	131	130	131	131	132	60
35°	87	86	87	87	88	54
45°	57	57	57	57	57	44
55°	36	36	36	36	36	33
65°	22	22	22	22	22	22
75°	11	10	10	10	10	11
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	232.9	232.9	232.9	232.9	232.9
1°	232.4	232.4	232.9	232.4	233.7
2°	232.0	231.6	231.6	231.6	232.9
3°	230.4	230.4	230.8	230.4	231.6
4°	229.1	228.7	229.1	228.7	230.0
5°	226.2	226.2	226.7	226.7	227.5
6°	223.8	223.8	224.2	223.8	225.0
7°	220.9	220.9	220.9	220.9	221.7
8°	217.1	217.1	217.6	217.6	218.4
9°	213.8	213.4	213.4	213.4	214.7
10°	209.3	209.3	209.3	209.3	210.1
11°	204.7	204.7	204.7	204.7	205.6
12°	199.8	199.8	200.2	199.8	201.0
13°	195.2	195.2	195.2	195.2	196.0
14°	189.8	189.4	189.8	189.8	191.1
15°	184.1	184.5	184.5	184.5	185.7
17.5°	170.8	170.8	171.2	170.4	171.2
20°	157.2	156.8	157.2	157.2	157.6
22.5°	143.1	143.5	143.5	143.5	144.3
25°	130.7	130.3	130.7	130.7	131.5
27.5°	117.9	118.3	118.7	118.3	119.1
30°	106.3	107.1	107.5	106.7	107.9
32.5°	96.0	96.0	96.4	96.8	97.2
35°	86.9	86.4	87.3	87.3	87.7
37.5°	78.2	78.2	78.2	78.6	79.0
40°	70.3	70.3	70.7	70.7	71.1
42.5°	63.3	62.9	63.3	63.3	63.3
45°	56.7	57.1	57.1	57.1	57.1
47.5°	50.9	50.9	51.3	50.9	51.3
50°	45.5	45.5	45.5	45.5	45.9
52.5°	40.5	40.5	40.5	40.5	40.9
55°	36.4	36.0	36.4	36.0	36.4
57.5°	32.3	32.3	32.3	32.3	32.3
60°	28.5	28.1	28.5	28.1	28.5
62.5°	24.8	24.8	24.8	24.8	24.8
65°	21.5	21.5	21.5	21.5	21.5
67.5°	18.6	18.6	18.6	18.2	18.2
70°	15.7	15.7	15.7	15.7	15.7
72.5°	13.2	12.8	12.8	12.8	12.8
75°	10.8	10.3	10.3	10.3	10.3
77.5°	8.3	8.3	7.9	7.9	8.3
80°	6.2	5.8	5.8	5.8	5.8
82.5°	3.7	3.7	3.7	3.7	3.7
85°	2.1	2.1	2.1	2.1	2.1
87.5°	0.4	0.4	0.4	0.8	0.8



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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)