

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: P1324845

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQPHRLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324845
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: LDSQA3D05R30W2N902765DE010 3LSQPHRLD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

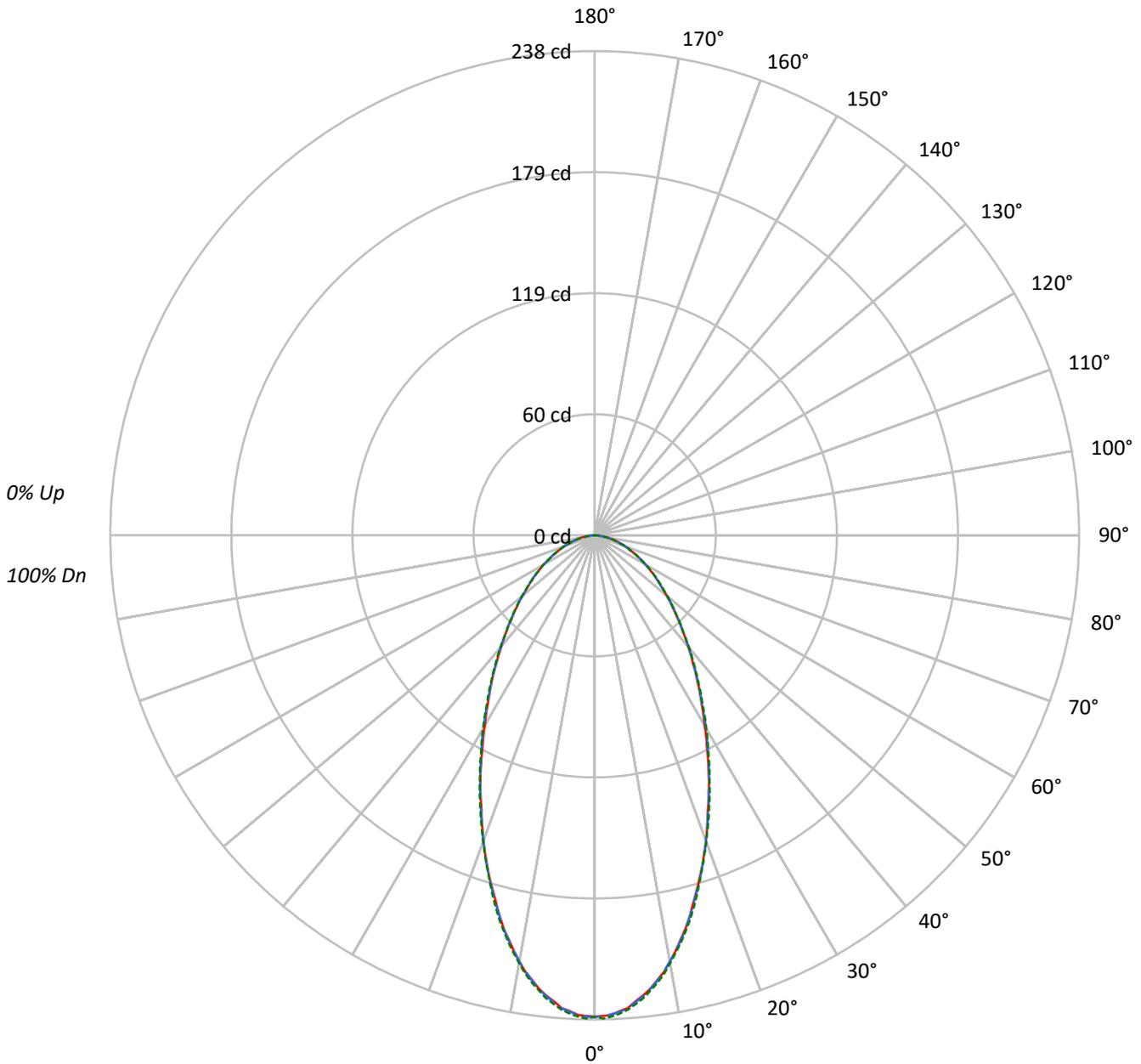
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 304.0 lumens
Efficiency: N/A
Efficacy: 51.5 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

TEST NUMBER: P1324845
CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHRLD1MW_3500K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ···· 90°-270°



TEST NUMBER: P1324845

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPRLD1MW_3500K

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77	77	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68	68	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	60	60	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54	54	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49	49	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45	45	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40765	40765	40765
5°	39763	39832	39987
10°	37214	37214	37354
15°	33360	33431	33663
20°	29287	29287	29361
25°	25255	25255	25407
30°	21497	21736	21835
35°	18565	18649	18733
40°	16075	16165	16255
45°	14029	14126	14126
50°	12405	12405	12512
55°	11110	11110	11110
60°	9989	9989	9989
65°	8925	8925	8925
70°	8057	8057	8057
75°	7253	6987	6987
80°	6248	5852	5852
85°	4150	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14126 cd/sqm



TEST NUMBER: P1324845

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHRLD1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	7.1
10°-20°	52.3	17.2
20°-30°	61.1	20.1
30°-40°	55.6	18.3
40°-50°	44.9	14.8
50°-60°	33.1	10.9
60°-70°	21.8	7.2
70°-80°	11.3	3.7
80°-90°	2.6	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°	134.8	44.3
0°-40°	190.3	62.6
0°-60°	268.3	88.3
0°-90°	304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	304.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	237	237	237	237	237	
5°	230	230	230	230	231	21
15°	187	188	188	188	189	52
25°	133	132	133	133	134	61
35°	88	88	89	89	89	55
45°	58	58	58	58	58	45
55°	37	37	37	37	37	33
65°	22	22	22	22	22	22
75°	11	10	10	10	10	12
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



TEST NUMBER: P1324845

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHRLD1MW_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	236.7	236.7	236.7	236.7	236.7
1°	236.3	236.3	236.7	236.3	237.6
2°	235.9	235.5	235.5	235.5	236.7
3°	234.2	234.2	234.6	234.2	235.5
4°	233.0	232.5	233.0	232.5	233.8
5°	230.0	230.0	230.4	230.4	231.3
6°	227.5	227.5	227.9	227.5	228.8
7°	224.6	224.6	224.6	224.6	225.4
8°	220.8	220.8	221.2	221.2	222.0
9°	217.4	217.0	217.0	217.0	218.2
10°	212.8	212.8	212.8	212.8	213.6
11°	208.2	208.2	208.2	208.2	209.0
12°	203.1	203.1	203.5	203.1	204.4
13°	198.5	198.5	198.5	198.5	199.3
14°	193.0	192.6	193.0	193.0	194.3
15°	187.1	187.5	187.5	187.5	188.8
17.5°	173.7	173.7	174.1	173.3	174.1
20°	159.8	159.4	159.8	159.8	160.2
22.5°	145.5	145.9	145.9	145.9	146.8
25°	132.9	132.5	132.9	132.9	133.7
27.5°	119.8	120.3	120.7	120.3	121.1
30°	108.1	108.9	109.3	108.5	109.8
32.5°	97.6	97.6	98.0	98.4	98.8
35°	88.3	87.9	88.7	88.7	89.1
37.5°	79.5	79.5	79.5	79.9	80.3
40°	71.5	71.5	71.9	71.9	72.3
42.5°	64.3	63.9	64.3	64.3	64.3
45°	57.6	58.0	58.0	58.0	58.0
47.5°	51.7	51.7	52.1	51.7	52.1
50°	46.3	46.3	46.3	46.3	46.7
52.5°	41.2	41.2	41.2	41.2	41.6
55°	37.0	36.6	37.0	36.6	37.0
57.5°	32.8	32.8	32.8	32.8	32.8
60°	29.0	28.6	29.0	28.6	29.0
62.5°	25.2	25.2	25.2	25.2	25.2
65°	21.9	21.9	21.9	21.9	21.9
67.5°	18.9	18.9	18.9	18.5	18.5
70°	16.0	16.0	16.0	16.0	16.0
72.5°	13.5	13.0	13.0	13.0	13.0
75°	10.9	10.5	10.5	10.5	10.5
77.5°	8.4	8.4	8.0	8.0	8.4
80°	6.3	5.9	5.9	5.9	5.9
82.5°	3.8	3.8	3.8	3.8	3.8
85°	2.1	2.1	2.1	2.1	2.1
87.5°	0.4	0.4	0.4	0.8	0.8



TEST NUMBER: P1324845

CATALOG NUMBER: LDSQA3D05R30W2N902765DE010 3LSQPHRLD1MW_3500K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)