

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: P1313359

Luminaire Tested: LDSQA3D05R309727DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313359
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: LDSQA3D05R309727DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

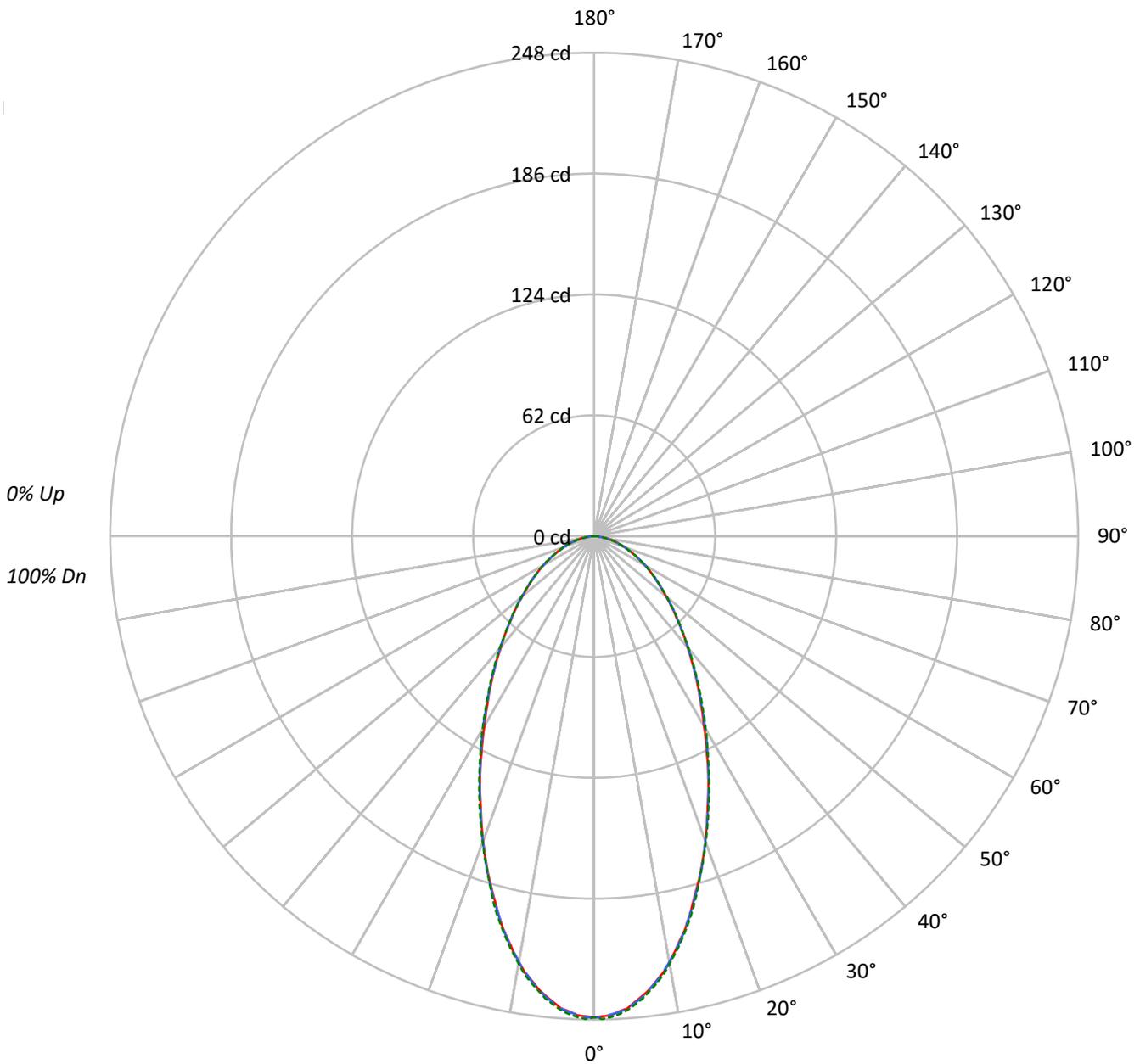
Lumens per Lamp: N/A
Luminaire Lumens: 317.0 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42522	42522	42522
5°	41474	41543	41699
10°	38806	38806	38963
15°	34786	34875	35107
20°	30534	30534	30625
25°	26338	26338	26490
30°	22412	22671	22750
35°	19364	19448	19553
40°	16749	16862	16951
45°	14638	14735	14735
50°	12914	12914	13048
55°	11590	11590	11590
60°	10437	10437	10437
65°	9291	9291	9291
70°	8409	8409	8409
75°	7586	7320	7320
80°	6546	6050	6050
85°	4347	4347	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14735 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	7.1
10°-20°	54.5	17.2
20°-30°	63.7	20.1
30°-40°	57.9	18.3
40°-50°	46.8	14.8
50°-60°	34.6	10.9
60°-70°	22.8	7.2
70°-80°	11.8	3.7
80°-90°	2.7	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°	140.5	44.3
0°-40°	198.5	62.6
0°-60°	279.8	88.3
0°-90°	317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	247	247	247	247	247	
5°	240	240	240	240	241	22
15°	195	196	196	196	197	54
25°	139	138	139	139	139	63
35°	92	92	92	92	93	58
45°	60	60	60	60	60	47
55°	39	38	39	38	39	35
65°	23	23	23	23	23	23
75°	11	11	11	11	11	12
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°	246.9	246.9	246.9	246.9	246.9
1°	246.4	246.4	246.9	246.4	247.8
2°	246.0	245.6	245.6	245.6	246.9
3°	244.2	244.2	244.7	244.2	245.6
4°	242.9	242.5	242.9	242.5	243.8
5°	239.9	239.9	240.3	240.3	241.2
6°	237.2	237.2	237.7	237.2	238.5
7°	234.2	234.2	234.2	234.2	235.0
8°	230.2	230.2	230.6	230.6	231.5
9°	226.7	226.3	226.3	226.3	227.6
10°	221.9	221.9	221.9	221.9	222.8
11°	217.1	217.1	217.1	217.1	217.9
12°	211.8	211.8	212.2	211.8	213.1
13°	207.0	207.0	207.0	207.0	207.8
14°	201.3	200.8	201.3	201.3	202.6
15°	195.1	195.6	195.6	195.6	196.9
17.5°	181.1	181.1	181.5	180.7	181.5
20°	166.6	166.2	166.6	166.6	167.1
22.5°	151.7	152.2	152.2	152.2	153.0
25°	138.6	138.1	138.6	138.6	139.4
27.5°	125.0	125.4	125.8	125.4	126.3
30°	112.7	113.6	114.0	113.1	114.4
32.5°	101.7	101.7	102.2	102.6	103.0
35°	92.1	91.6	92.5	92.5	93.0
37.5°	82.9	82.9	82.9	83.3	83.8
40°	74.5	74.5	75.0	75.0	75.4
42.5°	67.1	66.7	67.1	67.1	67.1
45°	60.1	60.5	60.5	60.5	60.5
47.5°	53.9	53.9	54.4	53.9	54.4
50°	48.2	48.2	48.2	48.2	48.7
52.5°	43.0	43.0	43.0	43.0	43.4
55°	38.6	38.1	38.6	38.1	38.6
57.5°	34.2	34.2	34.2	34.2	34.2
60°	30.3	29.8	30.3	29.8	30.3
62.5°	26.3	26.3	26.3	26.3	26.3
65°	22.8	22.8	22.8	22.8	22.8
67.5°	19.7	19.7	19.7	19.3	19.3
70°	16.7	16.7	16.7	16.7	16.7
72.5°	14.0	13.6	13.6	13.6	13.6
75°	11.4	11.0	11.0	11.0	11.0
77.5°	8.8	8.8	8.3	8.3	8.8
80°	6.6	6.1	6.1	6.1	6.1
82.5°	3.9	3.9	3.9	3.9	3.9
85°	2.2	2.2	2.2	2.2	2.2
87.5°	0.4	0.4	0.4	0.9	0.9



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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)