

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: P1306883

Luminaire Tested: LDSQA3D05R509024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306883
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: LDSQA3D05R509024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

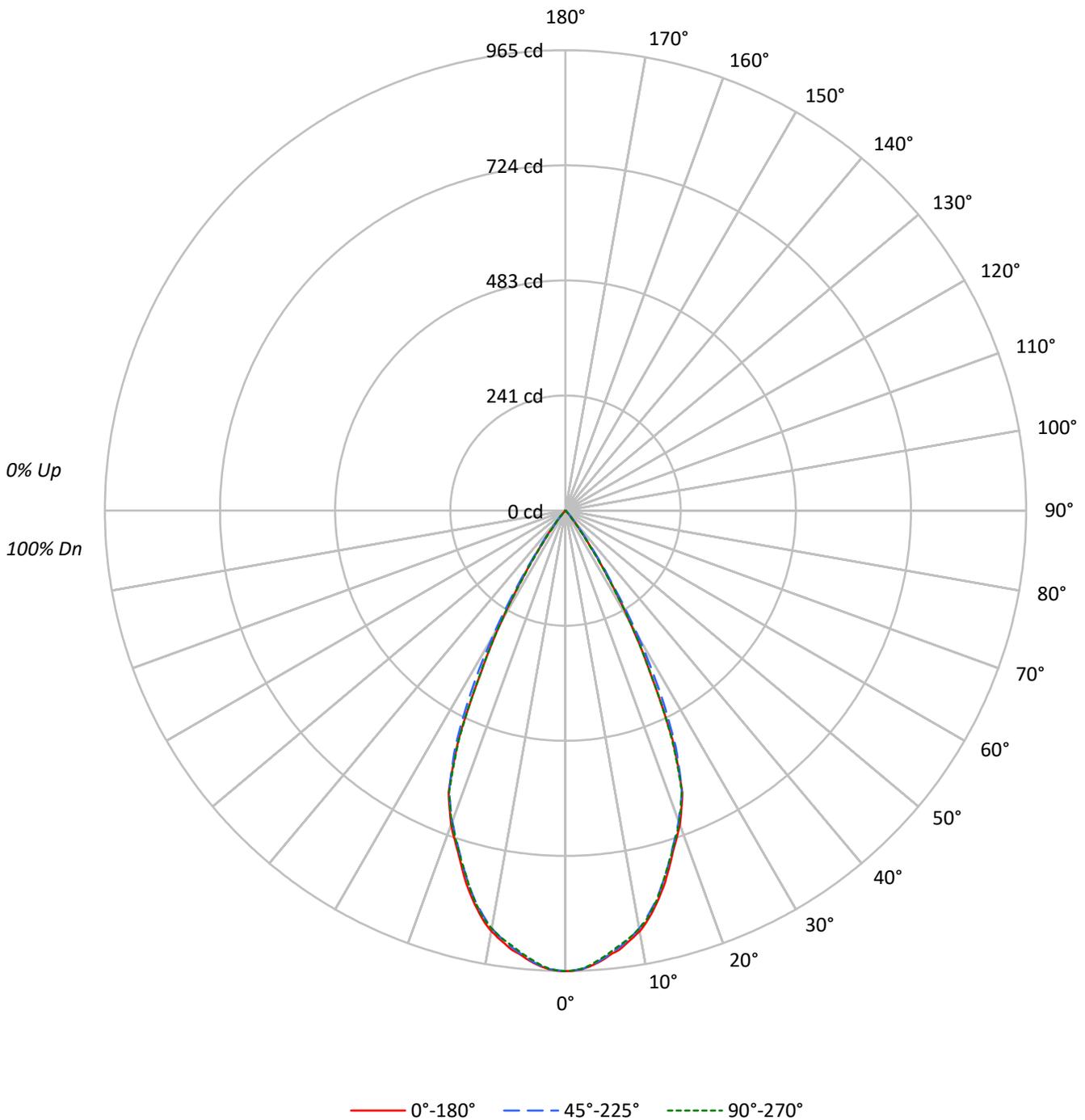
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 621.9 lumens
Efficiency: N/A
Efficacy: 86.4 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): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P1306883
CATALOG NUMBER: LDSQA3D05R509024DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1306883

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	87	84	81	81	81	81	80
5	96	88	83	80	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	71	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°	166229	166229	166229
5°	162974	162663	162196
10°	156587	155503	155590
15°	143744	142407	142246
20°	128421	127047	127688
25°	100942	103869	100087
30°	53992	60495	54171
35°	17640	20604	16609
40°	4362	5463	4159
45°	536	1924	536
50°	348	589	348
55°	390	390	390
60°	310	310	310
65°	367	367	367
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: 1924 cd/sqm



TEST NUMBER: P1306883

CATALOG NUMBER: LDSQA3D05R509024DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	14.2
10°-20°	223.2	35.9
20°-30°	234.8	37.7
30°-40°	67.7	10.9
40°-50°	5.5	0.9
50°-60°	1.2	0.2
60°-70°	0.9	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°	546.2	87.8
0°-40°	613.9	98.7
0°-60°	620.5	99.8
0°-90°	621.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	621.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	965	965	965	965	965	
5°	943	942	941	942	938	88
15°	806	801	799	799	798	225
25°	531	544	547	540	527	230
35°	84	87	98	84	79	65
45°	2	4	8	4	2	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°	965.2	965.2	965.2	965.2	965.2
1°	964.7	965.6	963.8	966.9	964.3
2°	962.5	963.0	962.1	964.3	960.8
3°	957.2	958.1	956.3	958.1	955.0
4°	951.0	951.0	949.3	950.6	946.6
5°	942.7	942.2	940.9	941.8	938.2
6°	933.8	933.4	931.2	931.2	928.5
7°	927.2	924.1	922.3	921.9	919.3
8°	916.6	915.7	912.2	912.2	910.4
9°	906.0	905.1	901.2	902.0	900.7
10°	895.4	892.3	889.2	889.7	889.7
11°	881.3	878.6	874.2	876.0	876.9
12°	864.5	861.4	857.4	861.0	860.5
13°	846.0	843.3	840.2	842.9	842.0
14°	826.5	822.6	819.9	821.7	820.8
15°	806.2	800.9	798.7	798.7	797.8
17.5°	749.3	746.2	744.0	742.6	745.7
20°	700.7	698.1	693.2	694.5	696.7
22.5°	639.8	639.3	636.7	634.5	637.1
25°	531.2	544.4	546.6	540.4	526.7
27.5°	385.9	416.8	427.8	413.3	388.1
30°	271.5	286.1	304.2	275.5	272.4
32.5°	163.8	167.8	184.6	164.7	160.3
35°	83.9	87.0	98.0	83.9	79.0
37.5°	39.3	41.1	45.5	39.3	36.6
40°	19.4	21.6	24.3	20.3	18.5
42.5°	8.4	11.0	14.1	10.6	7.5
45°	2.2	4.4	7.9	4.4	2.2
47.5°	1.3	1.8	4.4	1.8	1.3
50°	1.3	1.3	2.2	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	0.9	1.3	0.9	1.3	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
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



TEST NUMBER: P1306883
CATALOG NUMBER: LDSQA3D05R509024DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)