

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: P1313355

Luminaire Tested: LDSQA3D05R309727DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309727DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

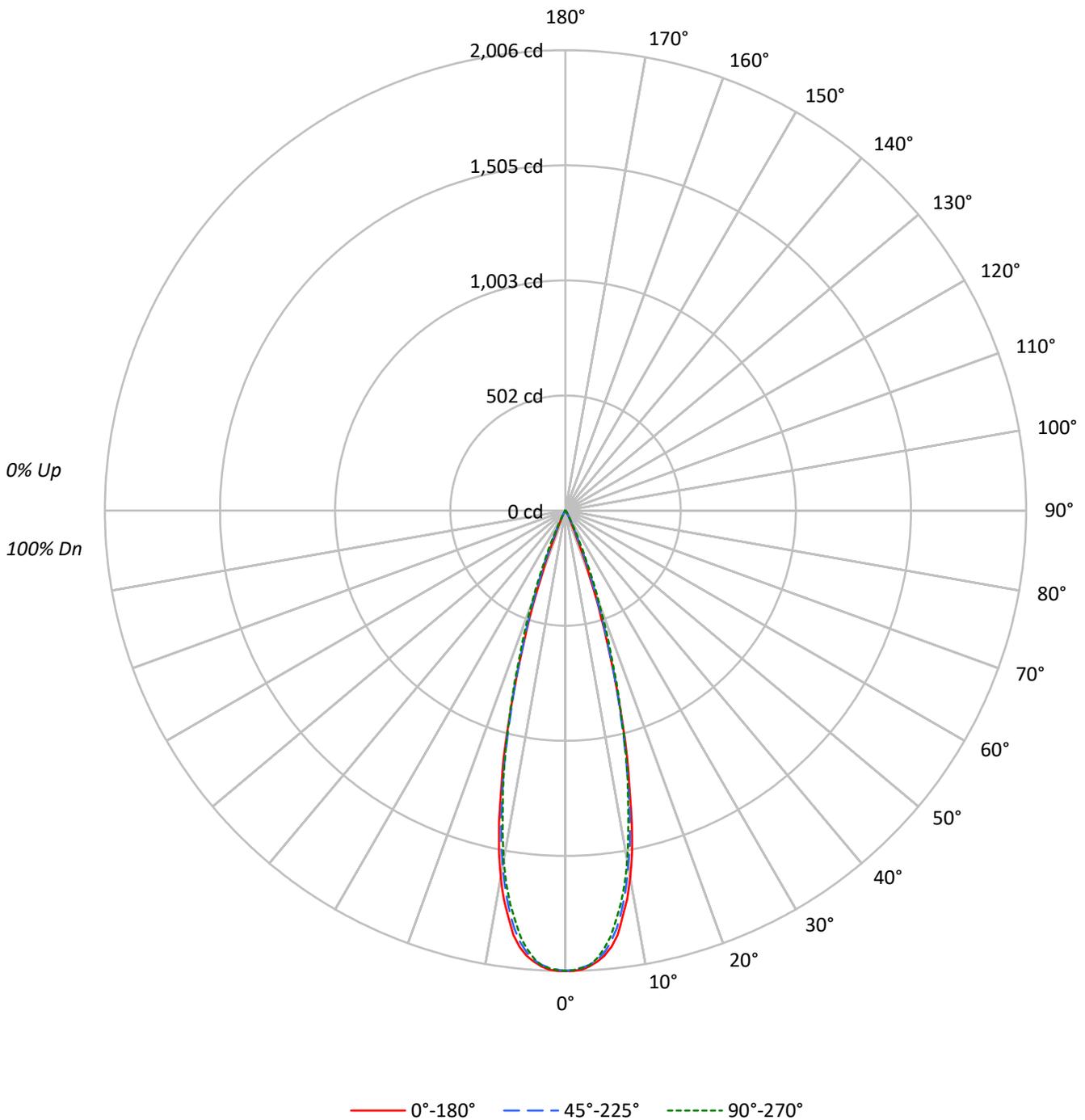
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 486.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
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: P1313355
CATALOG NUMBER: LDSQA3D05R309727DE010 3LSQPHR1MW

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	345427	345427	345427
5°	336546	334230	331464
10°	284004	275295	270818
15°	171148	166370	169437
20°	58062	67042	77324
25°	10660	16722	19744
30°	3659	4077	4574
35°	1051	1325	1409
40°	292	472	382
45°	97	97	97
50°	107	0	107
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 52.5°
 Luminance: 113 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.4	35.7
10°-20°	253.5	52.2
20°-30°	53.6	11.0
30°-40°	4.9	1.0
40°-50°	0.5	0.1
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	480.5	98.9
0°-40°	485.5	99.9
0°-60°	486.0	100.0
0°-90°	486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	486.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2006	2006	2006	2006	2006	
5°	1947	1943	1933	1927	1917	176
15°	960	957	933	955	950	253
25°	56	63	88	104	104	41
35°	5	6	6	8	7	4
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
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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 CATALOG NUMBER: LDSQA3D05R309727DE010 3LSQPHR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2005.7	2005.7	2005.7	2005.7	2005.7
1°	2006.2	2004.1	2001.1	2005.3	2002.4
2°	2002.0	1996.9	1992.8	1996.9	1995.7
3°	1989.4	1985.2	1982.3	1984.4	1984.4
4°	1970.5	1965.9	1963.4	1963.8	1957.6
5°	1946.7	1942.9	1933.3	1927.4	1917.3
6°	1911.5	1902.2	1890.5	1880.9	1867.9
7°	1863.7	1849.5	1832.7	1815.9	1799.6
8°	1787.0	1780.3	1757.7	1746.4	1730.0
9°	1715.0	1698.6	1674.3	1655.9	1647.1
10°	1624.0	1599.7	1574.2	1559.5	1548.6
11°	1516.4	1491.6	1471.1	1449.7	1433.0
12°	1389.8	1368.9	1345.4	1331.2	1311.5
13°	1239.8	1236.9	1210.5	1205.9	1203.4
14°	1111.2	1099.4	1073.5	1080.6	1082.3
15°	959.9	956.6	933.1	954.9	950.3
17.5°	601.3	602.5	617.2	651.5	662.4
20°	316.8	326.4	365.8	407.3	421.9
22.5°	128.2	149.6	189.8	217.9	236.7
25°	56.1	62.8	88.0	103.5	103.9
27.5°	31.8	32.3	42.3	44.0	44.8
30°	18.4	18.9	20.5	21.8	23.0
32.5°	10.1	10.9	11.3	13.0	13.0
35°	5.0	6.3	6.3	7.5	6.7
37.5°	2.9	3.4	3.8	3.8	3.4
40°	1.3	1.7	2.1	2.1	1.7
42.5°	0.4	0.8	0.8	0.8	1.3
45°	0.4	0.4	0.4	0.4	0.4
47.5°	0.4	0.4	0.0	0.4	0.4
50°	0.4	0.0	0.0	0.0	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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: P1313355
CATALOG NUMBER: LDSQA3D05R309727DE010 3LSQPHR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)