

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: P1313338

Luminaire Tested: LDSQA3D05R259727DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259727DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

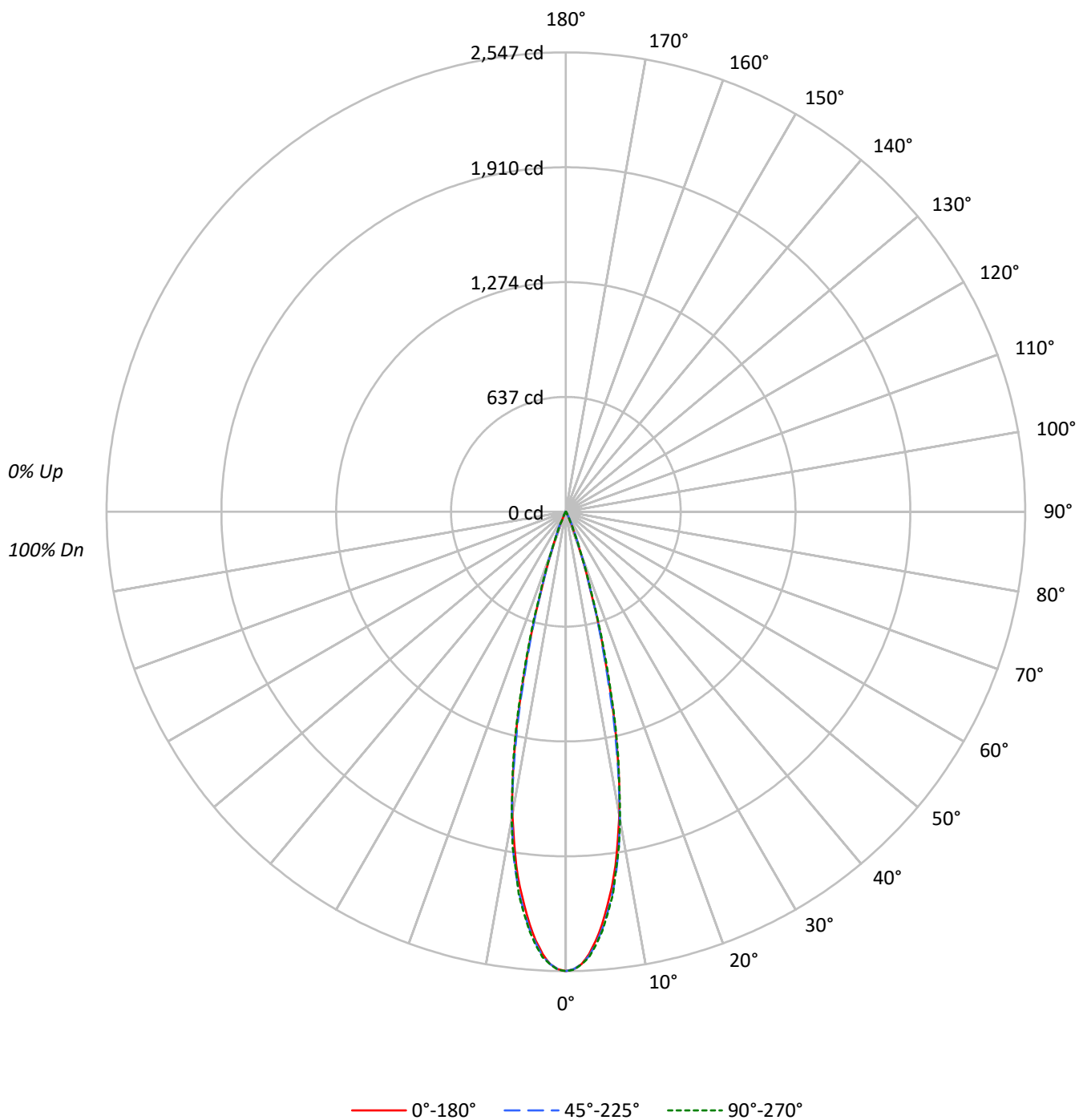
Lumens per Lamp: N/A
Luminaire Lumens: 470.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1313338

CATALOG NUMBER: LDSQA3D05R259727DE010 3LSQPHR1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313338

CATALOG NUMBER: LDSQA3D05R259727DE010 3LSQPHR1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					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	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	99	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	96	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	94	94	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	92	92	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	89	89	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	87	87	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	86	86	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	84	84	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	82	82	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	438599	438599	438599
5°	397452	401083	403036
10°	298799	300915	302314
15°	147952	143530	153104
20°	41787	42465	42941
25°	7240	13701	8608
30°	2824	2923	3003
35°	883	967	967
40°	292	382	292
45°	195	97	195
50°	107	0	107
55°	120	0	120
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: 45°

Luminance: 195 cd/sqm

TEST NUMBER: P1313338

CATALOG NUMBER: LDSQA3D05R259727DE010 3LSQPHR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.3	43.0
10°-20°	228.2	48.5
20°-30°	35.4	7.5
30°-40°	3.6	0.8
40°-50°	0.5	0.1
50°-60°	0.1	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°	465.9	99.1
0°-40°	469.4	99.9
0°-60°	470.0	100.0
0°-90°	470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2547	2547	2547	2547	2547	
5°	2299	2303	2320	2329	2331	200
15°	830	824	805	841	859	227
25°	38	57	72	55	45	32
35°	4	5	5	5	5	3
45°	1	0	0	0	1	1
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	

TEST NUMBER: P1313338

CATALOG NUMBER: LDSQA3D05R259727DE010 3LSQPHR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2546.7	2546.7	2546.7	2546.7	2546.7
1°	2536.2	2539.6	2535.8	2540.0	2539.6
2°	2509.8	2513.2	2508.6	2511.1	2511.1
3°	2455.8	2462.9	2467.1	2470.0	2472.5
4°	2384.5	2392.5	2398.8	2406.3	2406.3
5°	2299.0	2303.2	2320.0	2329.2	2331.3
6°	2197.2	2214.0	2226.5	2245.0	2233.7
7°	2095.4	2109.2	2126.8	2129.7	2137.7
8°	1979.7	1994.4	2010.7	2007.8	2001.1
9°	1838.9	1860.3	1879.5	1873.3	1881.6
10°	1708.6	1721.6	1720.7	1714.4	1728.7
11°	1557.3	1560.2	1543.9	1569.4	1553.9
12°	1377.9	1380.4	1359.5	1384.6	1400.5
13°	1206.1	1200.2	1171.3	1204.4	1224.5
14°	1008.3	1010.4	973.5	1037.6	1032.6
15°	829.8	823.9	805.0	841.1	858.7
17.5°	442.1	445.9	441.3	459.3	470.6
20°	228.0	234.3	231.7	239.3	234.3
22.5°	118.2	127.0	129.5	123.6	107.7
25°	38.1	56.6	72.1	54.9	45.3
27.5°	23.0	22.6	35.2	24.3	24.7
30°	14.2	13.8	14.7	14.7	15.1
32.5°	8.0	8.4	8.0	8.8	8.4
35°	4.2	4.6	4.6	5.0	4.6
37.5°	2.5	2.9	2.9	2.9	2.5
40°	1.3	1.7	1.7	1.3	1.3
42.5°	0.8	0.8	0.8	0.8	0.8
45°	0.8	0.4	0.4	0.4	0.8
47.5°	0.4	0.4	0.0	0.4	0.4
50°	0.4	0.4	0.0	0.4	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
55°	0.4	0.0	0.0	0.0	0.4
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: P1313338

CATALOG NUMBER: LDSQA3D05R259727DE010 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)