

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: P1312246

Luminaire Tested: LDSQA3D05R309050DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312246
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: LDSQA3D05R309050DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

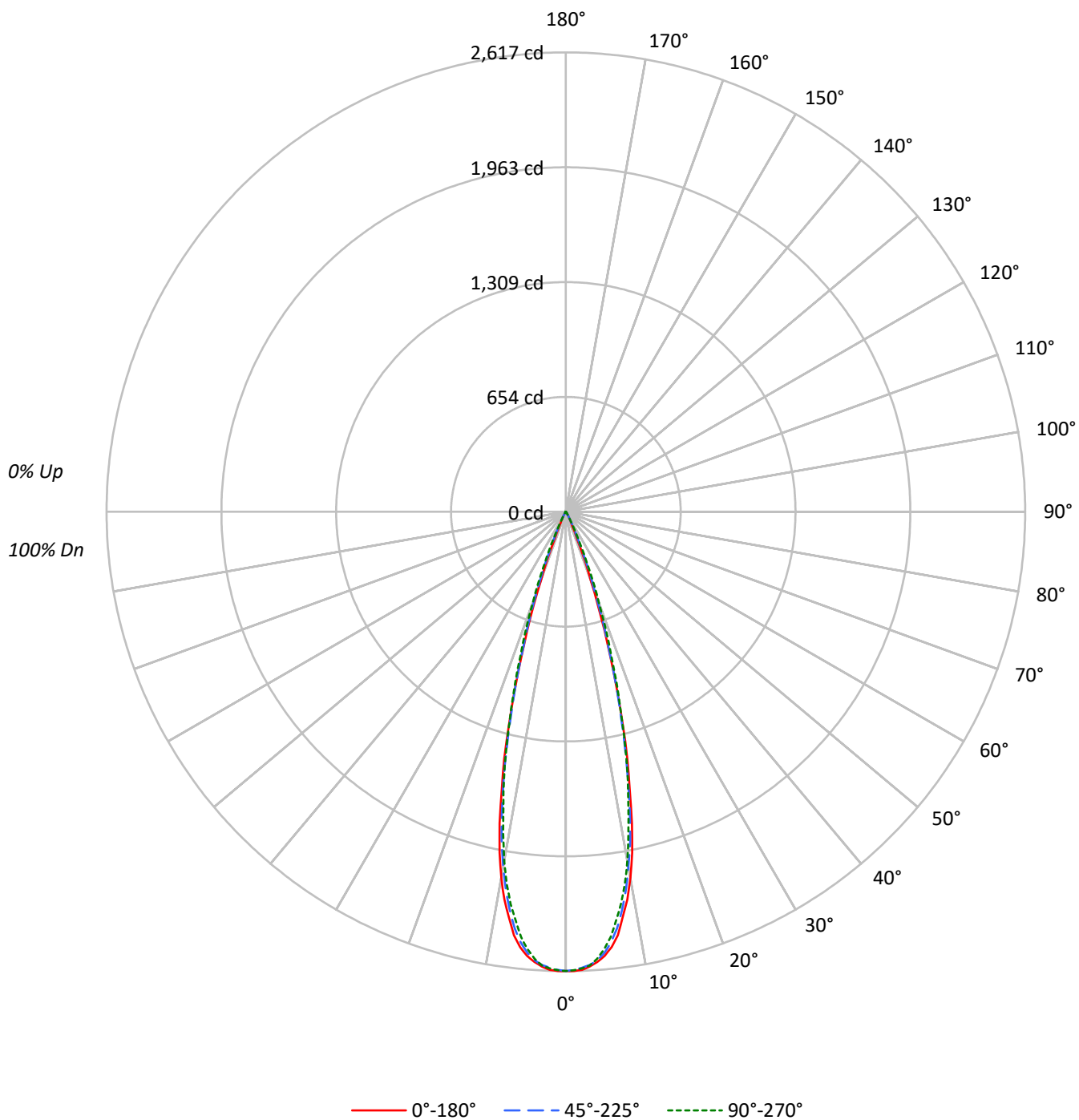
Lumens per Lamp: N/A
Luminaire Lumens: 634.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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: P1312246

CATALOG NUMBER: LDSQA3D05R309050DE010 3LSQPHR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312246

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	450621	450621	450621
5°	439030	436005	432409
10°	370500	359132	353291
15°	223265	217042	221036
20°	75729	87459	100875
25°	13910	21815	25768
30°	4793	5330	5986
35°	1388	1724	1829
40°	360	607	495
45°	122	122	122
50°	134	0	134
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: 141 cd/sqm

TEST NUMBER: P1312246

CATALOG NUMBER: LDSQA3D05R309050DE010 3LSQPHR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.3	35.7
10°-20°	330.7	52.2
20°-30°	70.0	11.0
30°-40°	6.4	1.0
40°-50°	0.6	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°	626.9	98.9
0°-40°	633.3	99.9
0°-60°	634.0	100.0
0°-90°	634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	634.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2616	2616	2616	2616	2616	
5°	2540	2535	2522	2514	2501	229
15°	1252	1248	1217	1246	1240	330
25°	73	82	115	135	136	53
35°	7	8	8	10	9	5
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	

TEST NUMBER: P1312246

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2616.5	2616.5	2616.5	2616.5	2616.5
1°	2617.1	2614.4	2610.5	2616.0	2612.2
2°	2611.6	2605.1	2599.6	2605.1	2603.4
3°	2595.2	2589.8	2585.9	2588.7	2588.7
4°	2570.6	2564.6	2561.3	2561.9	2553.7
5°	2539.5	2534.6	2522.0	2514.3	2501.2
6°	2493.6	2481.5	2466.2	2453.7	2436.7
7°	2431.2	2412.7	2390.8	2368.9	2347.6
8°	2331.2	2322.5	2293.0	2278.2	2256.9
9°	2237.2	2215.9	2184.2	2160.1	2148.7
10°	2118.6	2086.9	2053.6	2034.4	2020.2
11°	1978.1	1945.9	1919.1	1891.2	1869.4
12°	1813.1	1785.7	1755.1	1736.5	1710.8
13°	1617.4	1613.5	1579.1	1573.1	1569.8
14°	1449.6	1434.3	1400.4	1409.7	1411.9
15°	1252.2	1247.9	1217.3	1245.7	1239.7
17.5°	784.4	786.0	805.1	850.0	864.2
20°	413.2	425.8	477.2	531.3	550.4
22.5°	167.3	195.1	247.6	284.2	308.8
25°	73.2	82.0	114.8	135.0	135.6
27.5°	41.5	42.1	55.2	57.4	58.5
30°	24.1	24.6	26.8	28.4	30.1
32.5°	13.1	14.2	14.8	16.9	16.9
35°	6.6	8.2	8.2	9.8	8.7
37.5°	3.8	4.4	4.9	4.9	4.4
40°	1.6	2.2	2.7	2.7	2.2
42.5°	0.5	1.1	1.1	1.1	1.6
45°	0.5	0.5	0.5	0.5	0.5
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.0	0.0	0.0	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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: P1312246

CATALOG NUMBER: LDSQA3D05R309050DE010 3LSQPHR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)