

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: P1308922

Luminaire Tested: LDSQA3D05R309030DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308922
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: LDSQA3D05R309030DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

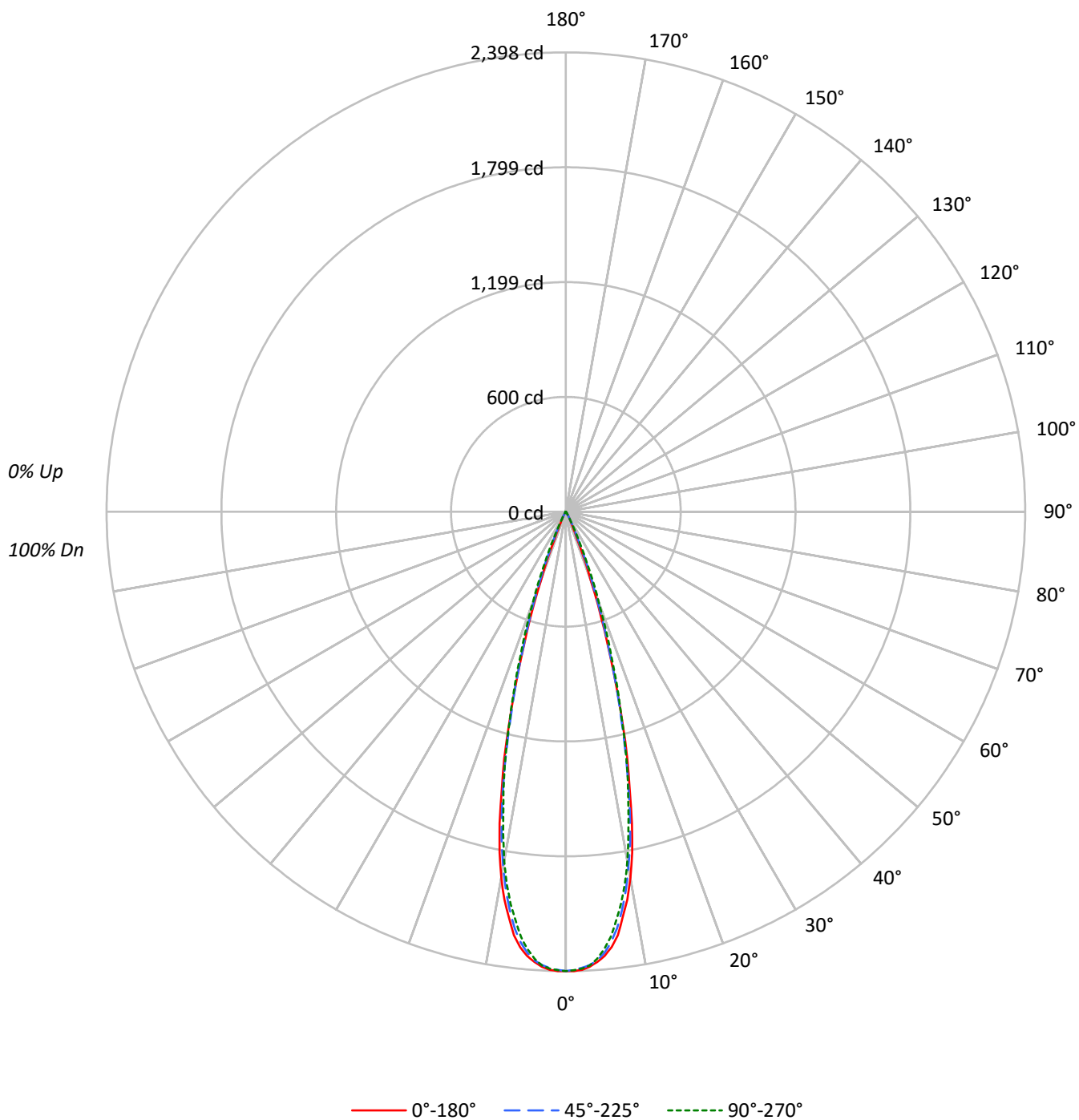
Lumens per Lamp: N/A
Luminaire Lumens: 581.0 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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
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°	412955	412955	412955
5°	402328	399561	396259
10°	339528	329106	323754
15°	204615	198891	202547
20°	69406	80146	92444
25°	12751	19991	23601
30°	4375	4872	5469
35°	1261	1577	1682
40°	337	562	450
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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.3	35.7
10°-20°	303.0	52.2
20°-30°	64.1	11.0
30°-40°	5.9	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°	574.5	98.9
0°-40°	580.4	99.9
0°-60°	581.0	100.0
0°-90°	581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2398	2398	2398	2398	2398	
5°	2327	2323	2311	2304	2292	210
15°	1148	1144	1116	1142	1136	303
25°	67	75	105	124	124	49
35°	6	8	8	9	8	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2397.8	2397.8	2397.8	2397.8	2397.8
1°	2398.3	2395.8	2392.3	2397.3	2393.8
2°	2393.3	2387.3	2382.3	2387.3	2385.8
3°	2378.3	2373.3	2369.8	2372.3	2372.3
4°	2355.7	2350.2	2347.2	2347.7	2340.2
5°	2327.2	2322.7	2311.2	2304.1	2292.1
6°	2285.1	2274.1	2260.1	2248.5	2233.0
7°	2228.0	2211.0	2190.9	2170.9	2151.4
8°	2136.3	2128.3	2101.3	2087.8	2068.2
9°	2050.2	2030.7	2001.6	1979.6	1969.0
10°	1941.5	1912.4	1881.9	1864.4	1851.3
11°	1812.8	1783.2	1758.7	1733.1	1713.1
12°	1661.5	1636.4	1608.4	1591.4	1567.8
13°	1482.2	1478.7	1447.1	1441.6	1438.6
14°	1328.4	1314.4	1283.3	1291.8	1293.8
15°	1147.6	1143.6	1115.5	1141.6	1136.0
17.5°	718.8	720.3	737.8	778.9	791.9
20°	378.7	390.2	437.3	486.9	504.4
22.5°	153.3	178.8	226.9	260.5	283.0
25°	67.1	75.1	105.2	123.7	124.2
27.5°	38.1	38.6	50.6	52.6	53.6
30°	22.0	22.5	24.5	26.0	27.5
32.5°	12.0	13.0	13.5	15.5	15.5
35°	6.0	7.5	7.5	9.0	8.0
37.5°	3.5	4.0	4.5	4.5	4.0
40°	1.5	2.0	2.5	2.5	2.0
42.5°	0.5	1.0	1.0	1.0	1.5
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



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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)