

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: P1309435

Luminaire Tested: LDSQA3D17R409030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409030DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

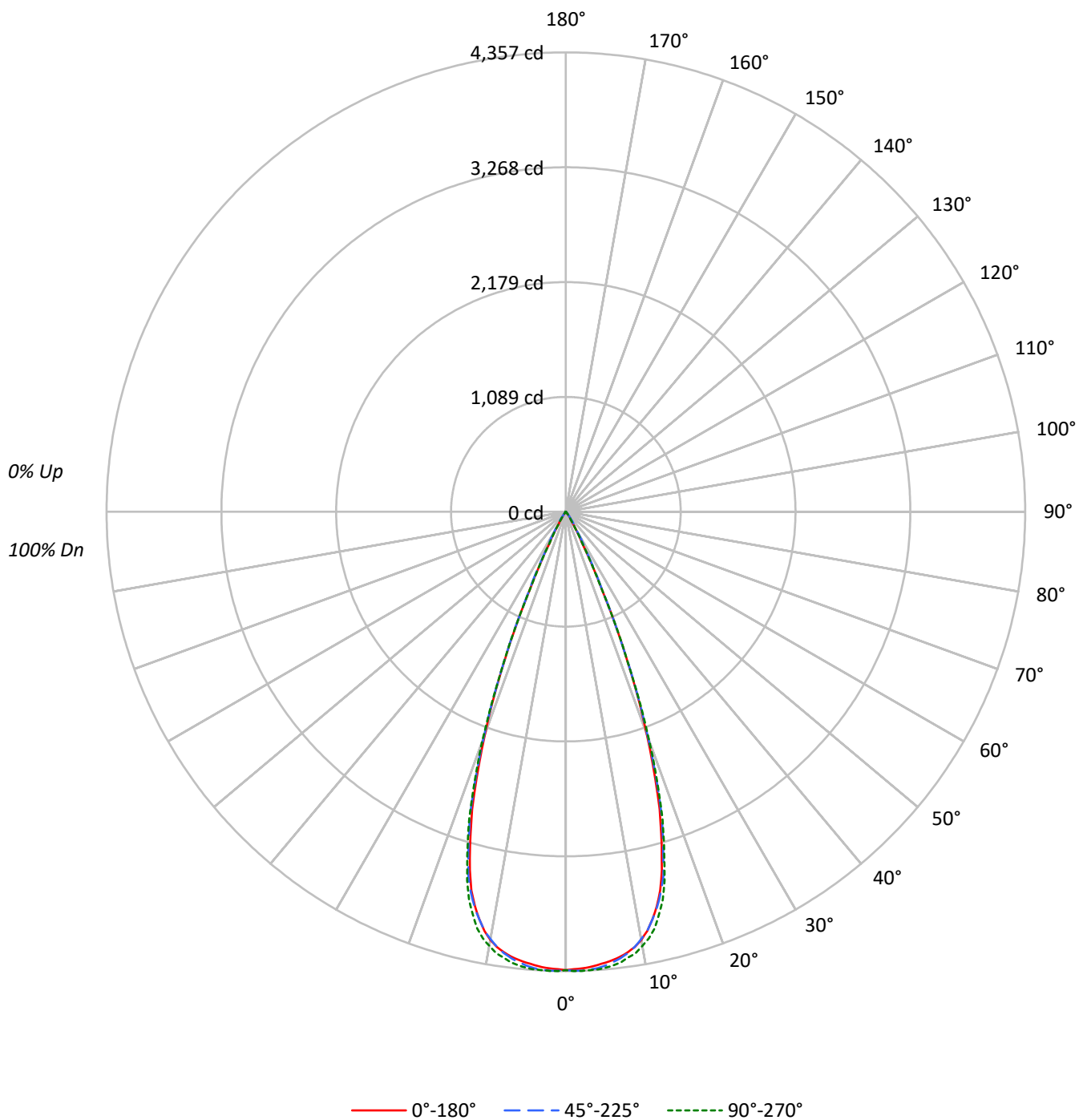
Lumens per Lamp: N/A
Luminaire Lumens: 1828.0 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1309435

CATALOG NUMBER: LDSQA3D17R409030DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1309435

CATALOG NUMBER: LDSQA3D17R409030DE010 3LSQCDR1MB

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	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80
9	87	80	76	73	86	80	75	73	79	75	72		78	75	72		77
10	85	77	73	70	84	77	73	70	76	72	70		76	72	70		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	748652	748652	748652
5°	742176	746844	750405
10°	721045	719681	730944
15°	627252	637362	645171
20°	411673	419701	425126
25°	146758	155328	146035
30°	31997	43253	32256
35°	10281	17871	10008
40°	3192	5508	2900
45°	317	1875	317
50°	0	348	0
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: 45°

Vertical Angle: 45°

Luminance: 1875 cd/sqm

TEST NUMBER: P1309435

CATALOG NUMBER: LDSQA3D17R409030DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.5	22.2
10°-20°	946.7	51.8
20°-30°	424.6	23.2
30°-40°	45.9	2.5
40°-50°	4.3	0.2
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°	1777.9	97.3
0°-40°	1823.7	99.8
0°-60°	1828.0	100.0
0°-90°	1828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1828.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4347	4347	4347	4347	4347	
5°	4293	4305	4320	4326	4341	405
15°	3518	3544	3575	3595	3618	935
25°	772	796	817	832	768	412
35°	49	57	85	55	48	38
45°	1	3	8	3	1	2
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: P1309435

CATALOG NUMBER: LDSQA3D17R409030DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4347.0	4347.0	4347.0	4347.0	4347.0
1°	4338.0	4347.0	4354.8	4348.3	4357.3
2°	4334.2	4344.5	4356.0	4349.6	4357.3
3°	4323.9	4336.7	4349.6	4345.7	4353.5
4°	4309.7	4320.0	4339.3	4339.3	4350.9
5°	4293.0	4304.6	4320.0	4326.4	4340.6
6°	4274.9	4281.4	4293.0	4305.8	4325.2
7°	4251.8	4251.8	4265.9	4278.8	4304.6
8°	4219.6	4217.0	4227.3	4244.1	4267.2
9°	4179.7	4170.7	4178.4	4202.9	4237.6
10°	4123.1	4115.3	4115.3	4146.2	4179.7
11°	4049.7	4047.1	4048.4	4078.0	4123.1
12°	3950.6	3953.1	3953.1	3986.6	4042.0
13°	3838.6	3837.3	3848.9	3886.2	3923.5
14°	3702.1	3709.8	3721.4	3754.9	3793.5
15°	3518.0	3543.8	3574.7	3595.3	3618.5
17.5°	2958.1	2983.8	3026.3	3043.1	3048.2
20°	2246.2	2283.6	2290.0	2323.5	2319.6
22.5°	1506.1	1503.5	1508.7	1512.5	1513.8
25°	772.3	795.5	817.4	831.6	768.5
27.5°	336.0	375.9	404.2	366.9	339.8
30°	160.9	182.8	217.5	184.1	162.2
32.5°	87.5	101.7	137.7	100.4	86.2
35°	48.9	56.6	85.0	55.4	47.6
37.5°	28.3	30.9	46.3	30.9	27.0
40°	14.2	18.0	24.5	18.0	12.9
42.5°	5.1	9.0	12.9	9.0	5.1
45°	1.3	2.6	7.7	2.6	1.3
47.5°	0.0	0.0	3.9	0.0	0.0
50°	0.0	0.0	1.3	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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: P1309435

CATALOG NUMBER: LDSQA3D17R409030DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)