

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: P1307316

Luminaire Tested: LDSQA3D17R309024DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307316
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: LDSQA3D17R309024DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

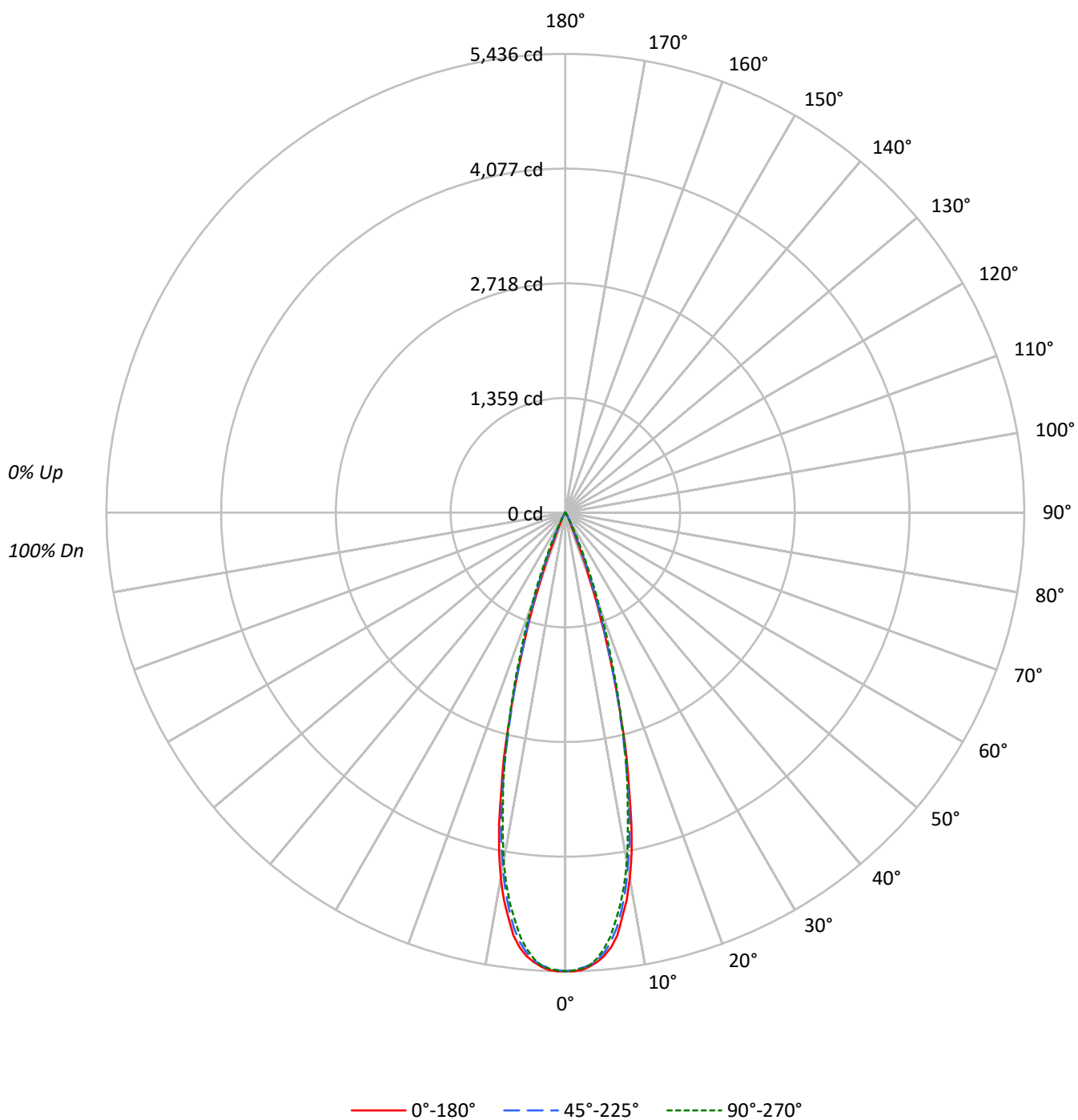
Lumens per Lamp: N/A
Luminaire Lumens: 1317.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	936082	936082	936082
5°	911979	905704	898235
10°	769627	746001	733899
15°	463807	450844	459153
20°	157324	181663	209557
25°	28903	45302	53512
30°	9943	11057	12409
35°	2859	3574	3826
40°	764	1281	1012
45°	268	268	268
50°	295	0	295
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: 311 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.0	35.7
10°-20°	686.9	52.2
20°-30°	145.3	11.0
30°-40°	13.4	1.0
40°-50°	1.3	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°	1302.2	98.9
0°-40°	1315.6	99.9
0°-60°	1317.0	100.0
0°-90°	1317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5435	5435	5435	5435	5435	
5°	5275	5265	5239	5223	5196	476
15°	2601	2592	2529	2588	2575	686
25°	152	170	238	280	282	111
35°	14	17	17	20	18	11
45°	1	1	1	1	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5435.3	5435.3	5435.3	5435.3	5435.3
1°	5436.4	5430.8	5422.8	5434.2	5426.2
2°	5425.1	5411.5	5400.1	5411.5	5408.1
3°	5391.0	5379.7	5371.7	5377.4	5377.4
4°	5339.9	5327.4	5320.6	5321.8	5304.7
5°	5275.2	5265.0	5238.9	5223.0	5195.7
6°	5179.8	5154.9	5123.1	5097.0	5061.8
7°	5050.4	5011.8	4966.4	4921.0	4876.7
8°	4842.6	4824.4	4763.1	4732.5	4688.2
9°	4647.3	4603.0	4537.2	4487.2	4463.4
10°	4400.9	4335.1	4265.8	4226.1	4196.6
11°	4109.1	4042.1	3986.5	3928.6	3883.2
12°	3766.2	3709.5	3645.9	3607.3	3553.9
13°	3359.7	3351.8	3280.3	3267.8	3261.0
14°	3011.2	2979.4	2909.0	2928.3	2932.8
15°	2601.3	2592.2	2528.6	2587.6	2575.2
17.5°	1629.3	1632.8	1672.5	1765.6	1795.1
20°	858.4	884.5	991.2	1103.6	1143.4
22.5°	347.4	405.3	514.4	590.4	641.5
25°	152.1	170.3	238.4	280.5	281.6
27.5°	86.3	87.4	114.7	119.2	121.5
30°	50.0	51.1	55.6	59.0	62.4
32.5°	27.3	29.5	30.7	35.2	35.2
35°	13.6	17.0	17.0	20.4	18.2
37.5°	7.9	9.1	10.2	10.2	9.1
40°	3.4	4.5	5.7	5.7	4.5
42.5°	1.1	2.3	2.3	2.3	3.4
45°	1.1	1.1	1.1	1.1	1.1
47.5°	1.1	1.1	0.0	1.1	1.1
50°	1.1	0.0	0.0	0.0	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
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)