

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: P1311620

Luminaire Tested: LDSQA3D17R259040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R259040DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

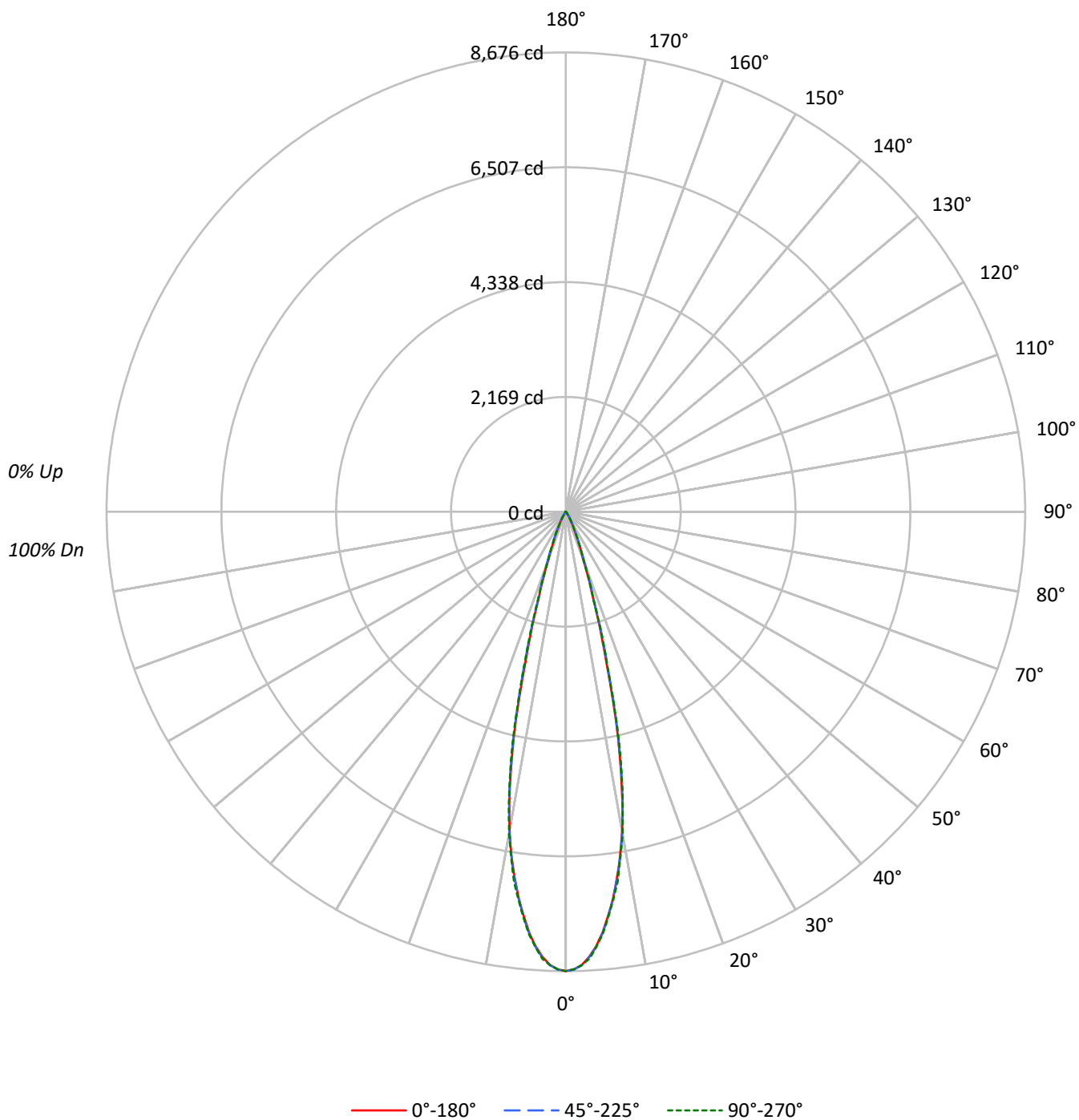
Lumens per Lamp: N/A
Luminaire Lumens: 1806.0 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	102	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	95	92		96	93	91		94
5	103	97	93	90	101	96	93	90	95	92	89		93	91	89		92
6	100	94	90	87	99	93	90	87	92	89	87		91	88	86		90
7	97	91	87	85	96	91	87	84	90	86	84		89	86	84		88
8	95	89	85	82	94	88	85	82	87	84	82		87	84	82		86
9	93	86	83	80	92	86	82	80	85	82	80		85	82	80		84
10	91	84	81	78	90	84	80	78	83	80	78		83	80	78		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1494255	1494255	1494255
5°	1377806	1380918	1383787
10°	1069773	1073655	1079461
15°	528671	550905	551155
20°	178015	189947	181571
25°	73730	81882	75821
30°	28935	36373	29213
35°	7569	14864	7863
40°	2810	5913	2810
45°	341	1681	341
50°	0	375	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: 1681 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	703.0	38.9
10°-20°	850.4	47.1
20°-30°	207.6	11.5
30°-40°	40.4	2.2
40°-50°	4.6	0.3
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°	1761.0	97.5
0°-40°	1801.4	99.7
0°-60°	1806.0	100.0
0°-90°	1806.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1806.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8676	8676	8676	8676	8676	
5°	7970	7981	7988	8022	8004	701
15°	2965	3036	3090	3120	3091	835
25°	388	409	431	413	399	197
35°	36	51	71	51	37	32
45°	1	4	7	4	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8676.3	8676.3	8676.3	8676.3	8676.3
1°	8643.1	8648.6	8650.0	8658.3	8641.7
2°	8564.1	8565.5	8569.6	8586.3	8571.0
3°	8418.6	8428.3	8429.7	8451.9	8456.0
4°	8220.5	8226.0	8237.1	8274.5	8241.3
5°	7969.7	7980.8	7987.7	8022.3	8004.3
6°	7659.3	7662.1	7677.3	7717.5	7692.6
7°	7343.4	7342.0	7343.4	7375.3	7368.4
8°	6962.4	6955.5	6977.6	7016.4	7042.8
9°	6564.7	6574.4	6588.3	6625.7	6595.2
10°	6117.2	6143.5	6139.4	6142.1	6172.6
11°	5601.8	5610.1	5611.5	5640.6	5636.4
12°	4996.3	4996.3	5042.0	5089.1	5073.9
13°	4385.3	4428.2	4397.7	4407.4	4468.4
14°	3673.1	3706.3	3747.9	3786.7	3756.2
15°	2965.1	3035.7	3089.8	3120.3	3091.2
17.5°	1698.7	1722.2	1768.0	1773.5	1755.5
20°	971.3	1000.4	1036.4	1025.3	990.7
22.5°	611.0	619.3	655.4	637.4	629.0
25°	388.0	408.7	430.9	412.9	399.0
27.5°	241.1	254.9	278.5	259.1	243.9
30°	145.5	158.0	182.9	156.6	146.9
32.5°	76.2	94.2	115.0	95.6	76.2
35°	36.0	51.3	70.7	51.3	37.4
37.5°	22.2	27.7	43.0	27.7	22.2
40°	12.5	18.0	26.3	18.0	12.5
42.5°	5.5	9.7	12.5	9.7	6.9
45°	1.4	4.2	6.9	4.2	1.4
47.5°	0.0	0.0	4.2	1.4	0.0
50°	0.0	0.0	1.4	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



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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)