

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: P1307311

Luminaire Tested: LDSQA3D17R309024DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309024DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

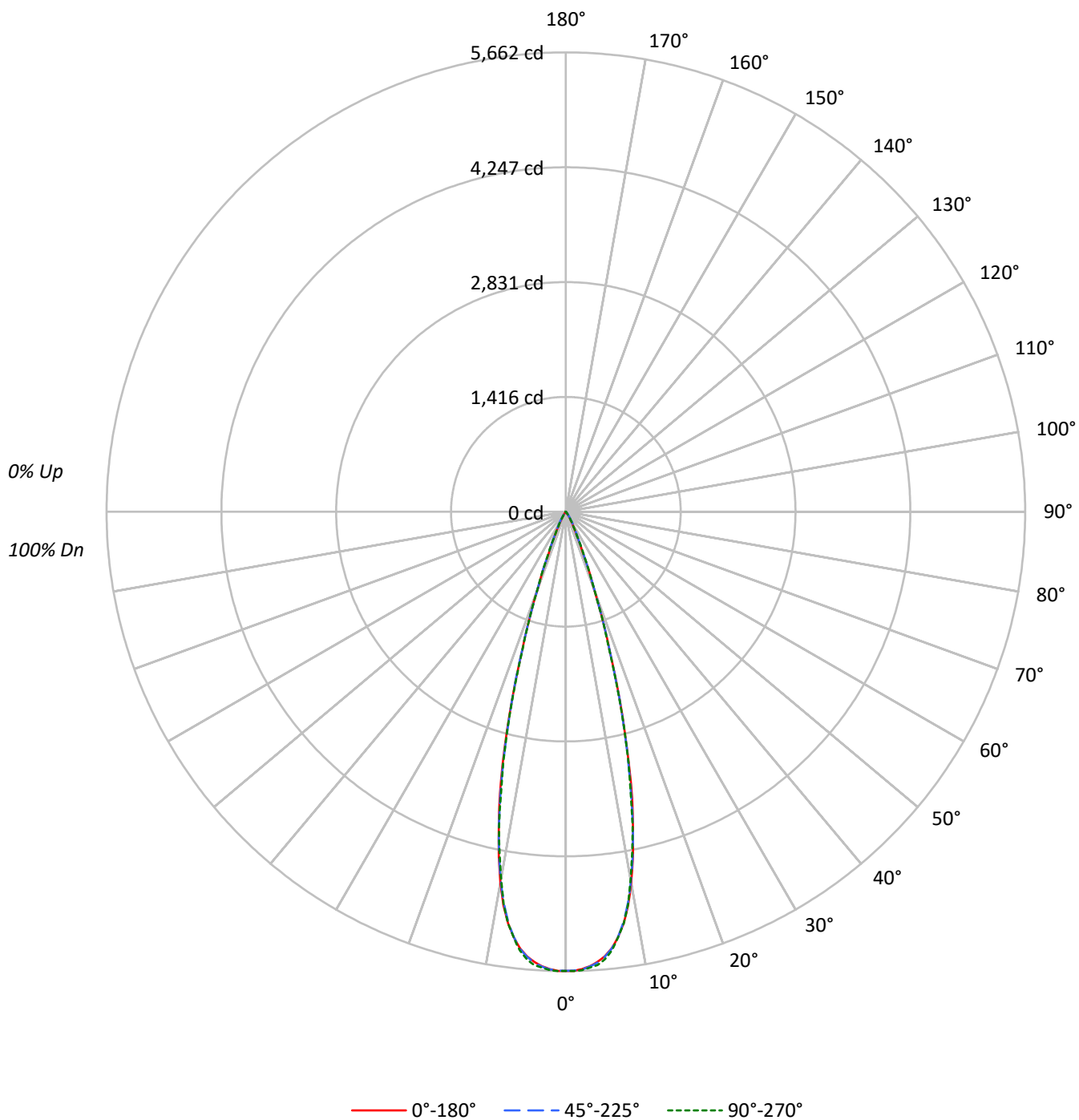
Lumens per Lamp: N/A
Luminaire Lumens: 1460.0 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	101		100
2	112	108	105	103	109	106	104	102	103	101	99		100	99	97		98
3	108	104	100	97	106	102	99	97	100	97	95		98	95	94		95
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93
5	102	96	92	89	101	95	92	89	94	91	88		92	90	87		91
6	99	93	89	86	98	92	89	86	91	88	85		90	87	85		89
7	96	90	86	83	95	90	86	83	89	85	83		87	85	82		87
8	94	88	84	81	93	87	83	81	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	974470	974470	974470
5°	950704	951880	957187
10°	811983	808205	803431
15°	501089	495205	497023
20°	189379	190423	190203
25°	58262	63868	60847
30°	23486	29810	24381
35°	6917	12657	7169
40°	2810	5103	2810
45°	560	1656	560
50°	0	295	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: 1656 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.1	34.2
10°-20°	738.9	50.6
20°-30°	183.3	12.6
30°-40°	34.4	2.4
40°-50°	4.3	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°	1421.2	97.3
0°-40°	1455.6	99.7
0°-60°	1460.0	100.0
0°-90°	1460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1460.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5658	5658	5658	5658	5658	
5°	5499	5497	5506	5515	5537	499
15°	2810	2783	2777	2799	2788	743
25°	307	327	336	335	320	177
35°	33	43	60	44	34	28
45°	2	3	7	4	2	3
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°	5658.2	5658.2	5658.2	5658.2	5658.2
1°	5660.5	5655.9	5655.9	5649.1	5661.6
2°	5640.0	5635.5	5643.4	5637.7	5653.6
3°	5609.4	5603.7	5615.0	5618.4	5626.4
4°	5563.9	5559.4	5571.9	5578.7	5600.3
5°	5499.2	5496.9	5506.0	5515.1	5536.7
6°	5410.6	5407.2	5412.9	5424.3	5437.9
7°	5282.3	5275.5	5280.1	5282.3	5285.7
8°	5120.0	5109.7	5104.1	5116.6	5123.4
9°	4911.0	4899.7	4887.2	4882.6	4898.5
10°	4643.1	4626.0	4621.5	4610.1	4594.2
11°	4331.9	4318.3	4314.9	4294.5	4285.4
12°	3975.4	3968.6	3976.5	3964.0	3959.5
13°	3633.6	3590.4	3584.8	3560.9	3548.4
14°	3229.4	3189.6	3188.5	3176.0	3193.0
15°	2810.4	2783.1	2777.4	2799.0	2787.6
17.5°	1791.8	1810.0	1805.4	1794.1	1774.8
20°	1033.3	1020.8	1039.0	1043.5	1037.8
22.5°	550.7	555.3	558.7	572.3	581.4
25°	306.6	327.0	336.1	335.0	320.2
27.5°	190.8	203.3	220.3	208.9	196.4
30°	118.1	128.3	149.9	129.4	122.6
32.5°	63.6	80.6	96.5	80.6	65.9
35°	32.9	43.1	60.2	44.3	34.1
37.5°	21.6	25.0	38.6	25.0	21.6
40°	12.5	15.9	22.7	15.9	12.5
42.5°	5.7	9.1	12.5	9.1	5.7
45°	2.3	3.4	6.8	4.5	2.3
47.5°	0.0	1.1	3.4	1.1	0.0
50°	0.0	0.0	1.1	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)