

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: P1306704

Luminaire Tested: LDSQA3D02R459024DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R459024DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

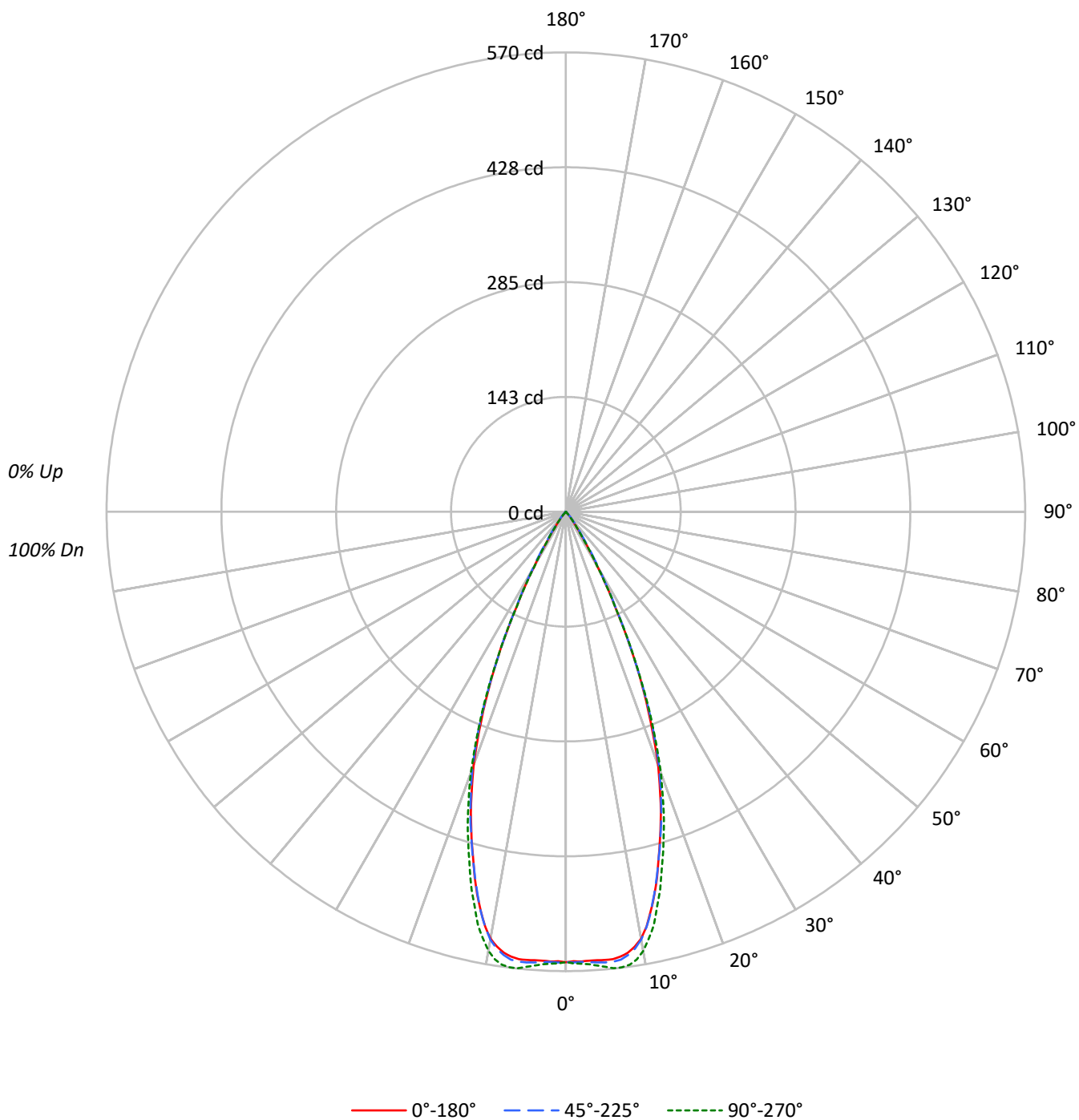
Lumens per Lamp: N/A
Luminaire Lumens: 289.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	96272	96272	96272
5°	96485	97038	98006
10°	94068	94260	96743
15°	79360	79396	81999
20°	61269	62130	63157
25°	38005	38043	38290
30°	15671	16665	15432
35°	4878	5971	4688
40°	1506	2068	1394
45°	97	779	97
50°	0	107	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: 779 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	18.4
10°-20°	123.7	42.8
20°-30°	90.7	31.4
30°-40°	19.5	6.7
40°-50°	1.9	0.6
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°	267.6	92.6
0°-40°	287.1	99.4
0°-60°	289.0	100.0
0°-90°	289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	559	559	559	559	559	
5°	558	560	561	565	567	53
15°	445	444	445	452	460	123
25°	200	199	200	200	202	90
35°	23	25	28	24	22	18
45°	0	1	3	1	0	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	559.0	559.0	559.0	559.0	559.0
1°	557.9	559.2	559.2	560.1	560.5
2°	558.3	559.2	559.0	560.5	561.1
3°	557.7	559.2	559.6	561.3	562.4
4°	557.9	559.2	560.5	563.1	564.6
5°	558.1	559.6	561.3	565.2	566.9
6°	558.3	559.4	561.3	566.3	569.5
7°	556.2	557.7	559.8	566.1	569.5
8°	552.7	553.6	555.3	563.5	567.6
9°	546.3	546.1	548.7	557.7	562.4
10°	537.9	535.3	539.0	548.0	553.2
11°	524.4	521.6	524.8	534.5	539.4
12°	506.8	506.8	507.4	516.0	524.6
13°	488.1	485.9	487.2	496.9	502.9
14°	467.5	465.3	466.6	473.9	483.4
15°	445.1	444.3	445.3	452.4	459.9
17.5°	392.1	390.1	394.0	401.1	404.9
20°	334.3	337.5	339.0	343.5	344.6
22.5°	267.9	271.3	273.5	274.1	274.8
25°	200.0	199.4	200.2	200.2	201.5
27.5°	131.5	131.5	133.8	132.3	130.8
30°	78.8	82.1	83.8	81.0	77.6
32.5°	43.0	46.2	49.0	44.9	41.9
35°	23.2	24.9	28.4	24.3	22.3
37.5°	12.7	14.2	16.3	13.7	12.7
40°	6.7	8.2	9.2	8.2	6.2
42.5°	2.1	4.1	5.4	4.1	1.9
45°	0.4	1.3	3.2	1.3	0.4
47.5°	0.0	0.2	1.5	0.2	0.0
50°	0.0	0.0	0.4	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)