

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: P1318835

Luminaire Tested: LDSQA3D02R459835DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318835
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: LDSQA3D02R459835DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

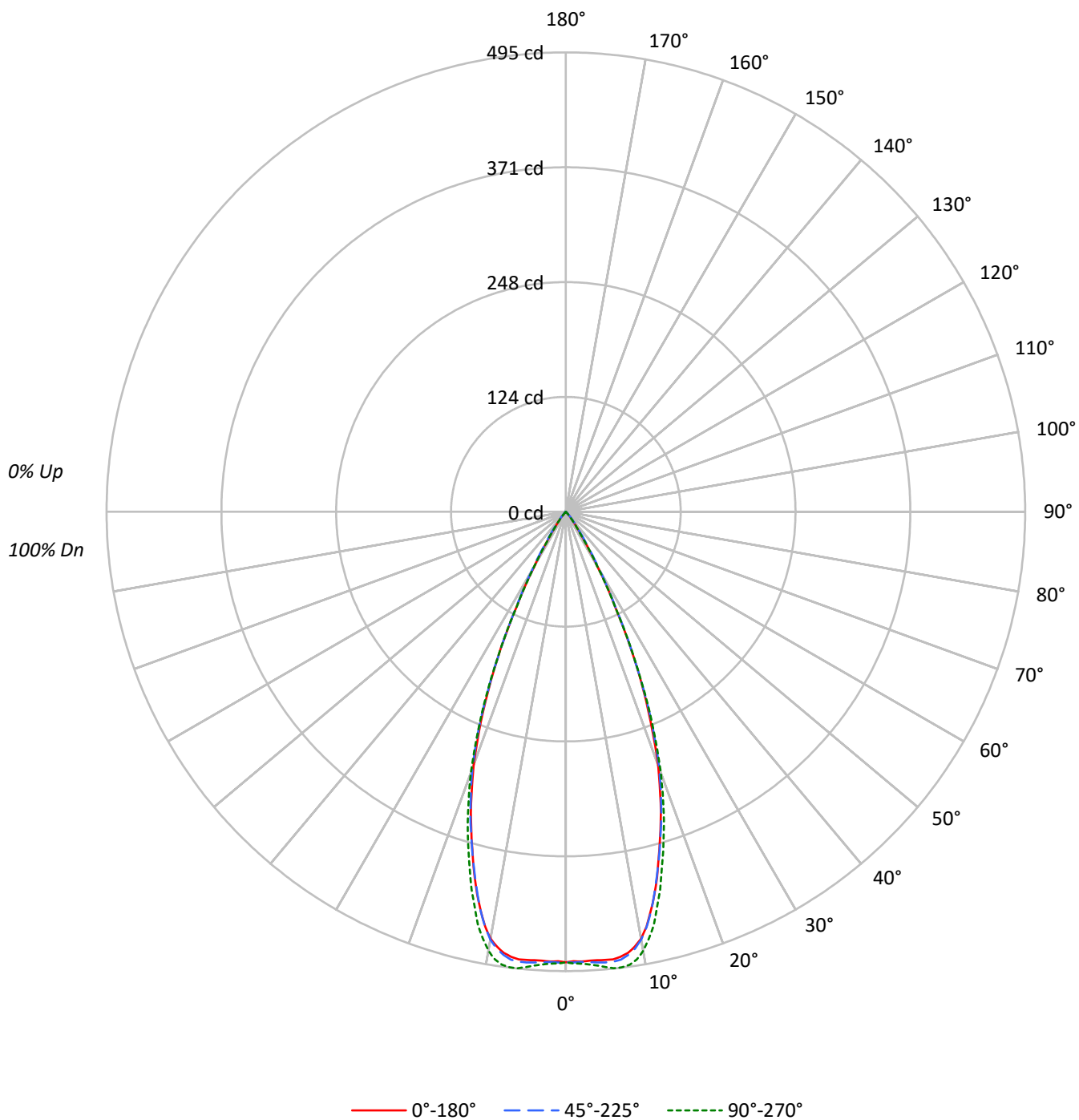
Lumens per Lamp: N/A
Luminaire Lumens: 251.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	83614	83614	83614
5°	83795	84279	85126
10°	81704	81861	84012
15°	68930	68966	71230
20°	53205	53956	54854
25°	33008	33046	33255
30°	13622	14477	13404
35°	4247	5172	4079
40°	1304	1799	1214
45°	97	682	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: 682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	18.4
10°-20°	107.4	42.8
20°-30°	78.8	31.4
30°-40°	16.9	6.7
40°-50°	1.6	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°	232.4	92.6
0°-40°	249.4	99.4
0°-60°	251.0	100.0
0°-90°	251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	251.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	486	486	486	486	486	
5°	485	486	488	491	492	46
15°	387	386	387	393	400	106
25°	174	173	174	174	175	78
35°	20	22	25	21	19	16
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°	485.5	485.5	485.5	485.5	485.5
1°	484.5	485.7	485.7	486.4	486.8
2°	484.9	485.7	485.5	486.8	487.3
3°	484.4	485.7	486.0	487.5	488.5
4°	484.5	485.7	486.8	489.0	490.3
5°	484.7	486.0	487.5	490.9	492.4
6°	484.9	485.9	487.5	491.8	494.6
7°	483.1	484.4	486.2	491.6	494.6
8°	480.1	480.8	482.3	489.4	492.9
9°	474.5	474.3	476.5	484.4	488.5
10°	467.2	465.0	468.1	476.0	480.4
11°	455.4	453.0	455.8	464.2	468.5
12°	440.1	440.1	440.7	448.2	455.6
13°	423.9	422.0	423.2	431.6	436.8
14°	406.0	404.1	405.2	411.6	419.8
15°	386.6	385.8	386.8	392.9	399.5
17.5°	340.5	338.8	342.2	348.3	351.7
20°	290.3	293.1	294.4	298.3	299.3
22.5°	232.7	235.6	237.5	238.1	238.6
25°	173.7	173.1	173.9	173.9	175.0
27.5°	114.2	114.2	116.2	114.9	113.6
30°	68.5	71.3	72.8	70.3	67.4
32.5°	37.3	40.1	42.5	39.0	36.4
35°	20.2	21.6	24.6	21.1	19.4
37.5°	11.0	12.3	14.2	11.9	11.0
40°	5.8	7.1	8.0	7.1	5.4
42.5°	1.9	3.5	4.7	3.5	1.7
45°	0.4	1.1	2.8	1.1	0.4
47.5°	0.0	0.2	1.3	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)