

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: P1308823

Luminaire Tested: LDSQA3D02R609030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R609030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

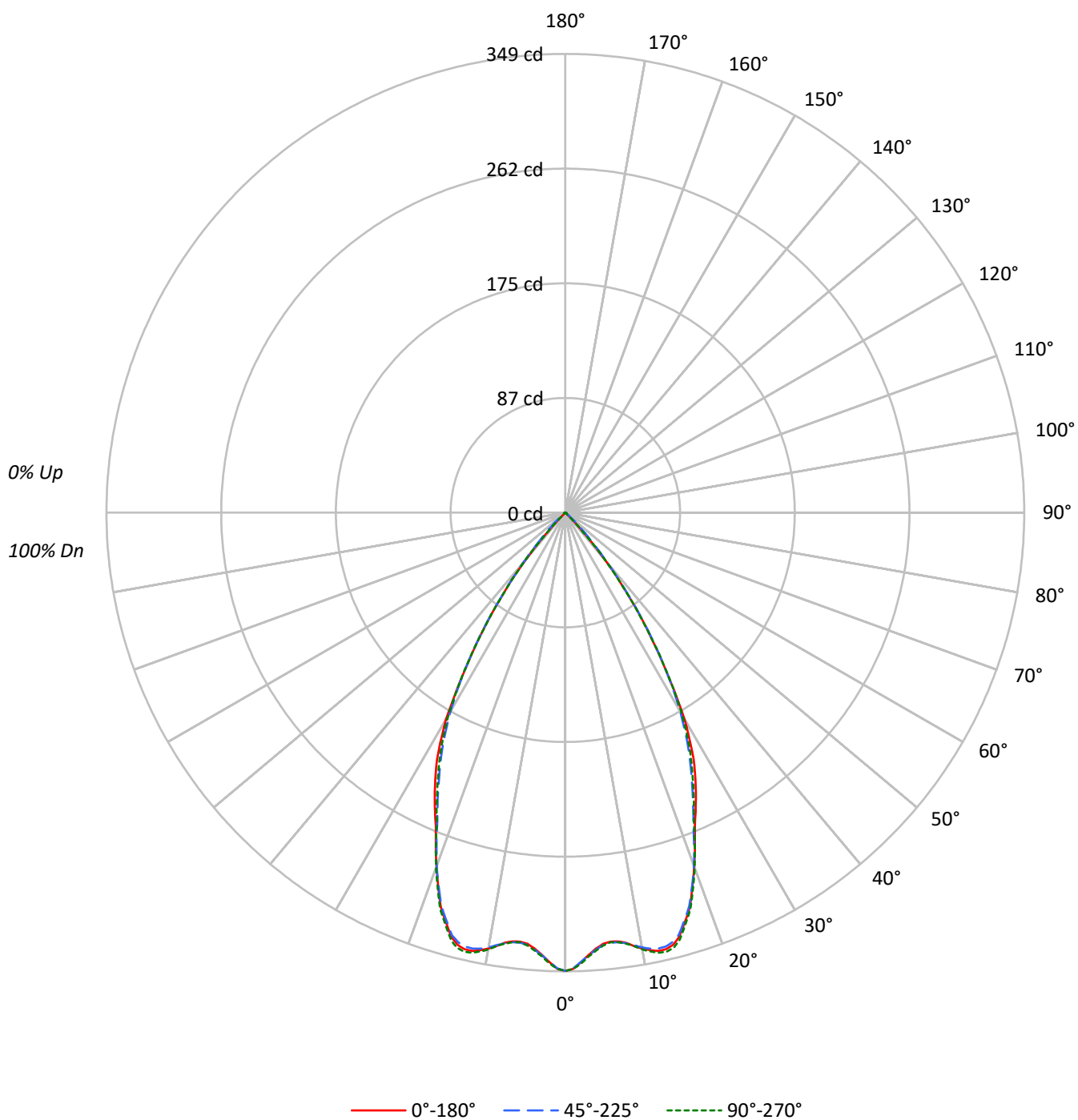
Lumens per Lamp: N/A
Luminaire Lumens: 311.0 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	108	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	60054	60054	60054
5°	56912	57085	57172
10°	58899	58725	59022
15°	59605	59355	59962
20°	52490	52435	52710
25°	44656	43364	43744
30°	36054	34782	35378
35°	22812	23022	22770
40°	10657	11106	10836
45°	658	3921	779
50°	322	911	322
55°	360	360	360
60°	344	344	344
65°	285	408	285
70°	352	352	352
75°	333	333	333
80°	198	198	198
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3921 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	10.2
10°-20°	91.5	29.4
20°-30°	105.5	33.9
30°-40°	67.7	21.8
40°-50°	11.8	3.8
50°-60°	1.1	0.4
60°-70°	0.9	0.3
70°-80°	0.5	0.2
80°-90°	0.1	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°	228.8	73.6
0°-40°	296.5	95.4
0°-60°	309.4	99.5
0°-90°	311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	311.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	349	349	349	349	349	
5°	329	330	330	331	331	32
15°	334	333	333	335	336	92
25°	235	232	228	228	230	107
35°	108	108	110	107	108	68
45°	3	8	16	10	3	9
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
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°	348.7	348.7	348.7	348.7	348.7
1°	347.2	347.0	346.7	347.0	347.2
2°	342.3	342.1	341.9	342.8	343.3
3°	337.0	337.2	337.5	338.0	338.2
4°	332.6	333.1	333.3	333.8	334.1
5°	329.2	329.9	330.2	330.9	330.7
6°	328.2	328.7	329.0	329.2	328.7
7°	328.7	329.0	329.2	329.7	329.2
8°	330.4	330.7	330.9	331.2	331.2
9°	333.8	333.3	333.1	334.1	333.8
10°	336.8	336.0	335.8	337.2	337.5
11°	339.2	338.2	338.0	339.7	340.2
12°	340.9	339.4	339.2	341.4	342.3
13°	340.9	338.9	338.9	341.4	342.8
14°	338.9	336.8	336.8	339.4	341.1
15°	334.3	333.1	332.9	335.0	336.3
17.5°	314.9	313.4	313.6	316.1	316.3
20°	286.4	285.7	286.1	286.6	287.6
22.5°	257.4	256.9	254.3	255.0	255.5
25°	235.0	232.4	228.2	228.5	230.2
27.5°	211.4	208.8	202.9	204.1	205.8
30°	181.3	179.1	174.9	175.7	177.9
32.5°	142.3	146.7	142.8	144.0	143.3
35°	108.5	107.8	109.5	107.3	108.3
37.5°	76.4	76.6	77.4	75.4	75.4
40°	47.4	48.7	49.4	48.4	48.2
42.5°	20.0	27.3	28.7	27.3	20.2
45°	2.7	8.0	16.1	9.5	3.2
47.5°	1.2	1.7	8.5	1.7	1.2
50°	1.2	1.2	3.4	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.7	1.0	1.0	1.0	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2
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)