

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: P1315086

Luminaire Tested: LDSQA3D02R159735DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159735DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

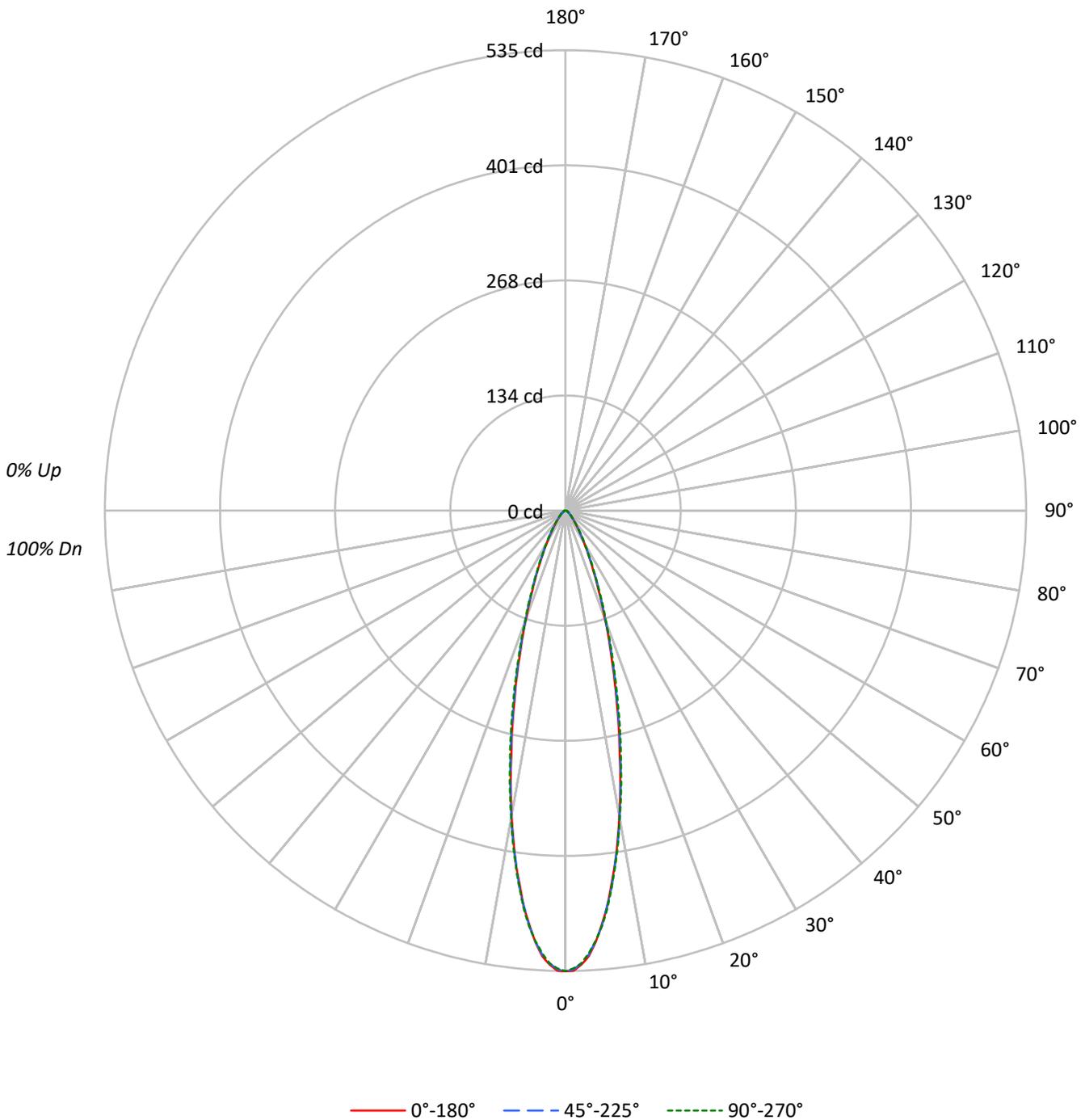
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 177.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
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 (A_{in}): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	71	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	92174	92174	92174
5°	83501	83657	83778
10°	63044	63201	63516
15°	40884	41329	42150
20°	24614	24907	25237
25°	14385	14689	14898
30°	8452	8730	8850
35°	5214	5403	5487
40°	3417	3530	3575
45°	2387	2436	2484
50°	1768	1822	1876
55°	1441	1501	1501
60°	1240	1240	1240
65°	1100	1100	1100
70°	906	1007	1007
75°	932	932	932
80°	694	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 2484 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	23.8
10°-20°	64.5	36.4
20°-30°	36.6	20.7
30°-40°	16.7	9.4
40°-50°	8.0	4.5
50°-60°	4.5	2.5
60°-70°	2.7	1.5
70°-80°	1.5	0.8
80°-90°	0.3	0.2
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°	143.3	81.0
0°-40°	160.0	90.4
0°-60°	172.5	97.5
0°-90°	177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	177.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	535	535	535	535	535	
5°	483	483	484	484	485	42
15°	229	230	232	235	236	64
25°	76	76	77	78	78	36
35°	25	25	26	26	26	16
45°	10	10	10	10	10	8
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
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°	535.2	535.2	535.2	535.2	535.2
1°	534.8	533.4	533.0	532.7	532.3
2°	528.0	526.8	526.6	526.6	526.4
3°	518.4	516.4	516.6	515.9	515.2
4°	502.3	501.4	501.8	502.3	501.4
5°	483.0	482.7	483.9	483.9	484.6
6°	463.0	462.7	462.1	463.9	464.8
7°	437.5	438.9	440.7	439.8	440.5
8°	414.3	412.7	413.4	415.7	415.9
9°	387.1	385.9	388.9	389.8	390.0
10°	360.5	361.6	361.4	364.6	363.2
12.5°	291.1	293.0	295.0	296.4	297.7
15°	229.3	230.5	231.8	235.0	236.4
17.5°	176.4	177.7	179.1	181.8	182.3
20°	134.3	135.0	135.9	138.4	137.7
22.5°	100.5	101.6	102.5	103.6	104.3
25°	75.7	75.7	77.3	78.0	78.4
27.5°	56.4	56.8	58.0	58.9	58.6
30°	42.5	43.2	43.9	44.3	44.5
32.5°	32.7	32.7	33.4	34.1	34.3
35°	24.8	25.2	25.7	26.1	26.1
37.5°	19.3	19.5	20.0	20.2	20.2
40°	15.2	15.2	15.7	15.9	15.9
42.5°	12.0	12.3	12.5	12.7	12.7
45°	9.8	9.8	10.0	10.2	10.2
47.5°	8.0	8.0	8.2	8.4	8.4
50°	6.6	6.8	6.8	7.0	7.0
52.5°	5.7	5.7	5.7	5.9	5.9
55°	4.8	4.8	5.0	5.0	5.0
57.5°	4.1	4.1	4.1	4.3	4.3
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.2	3.2	3.2	3.2	3.2
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.3	2.3	2.3	2.5	2.5
70°	1.8	2.0	2.0	2.0	2.0
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.7	0.9	0.9	0.9	0.9
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)