

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: P1319691

Luminaire Tested: LDSQA3D02R359840DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359840DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

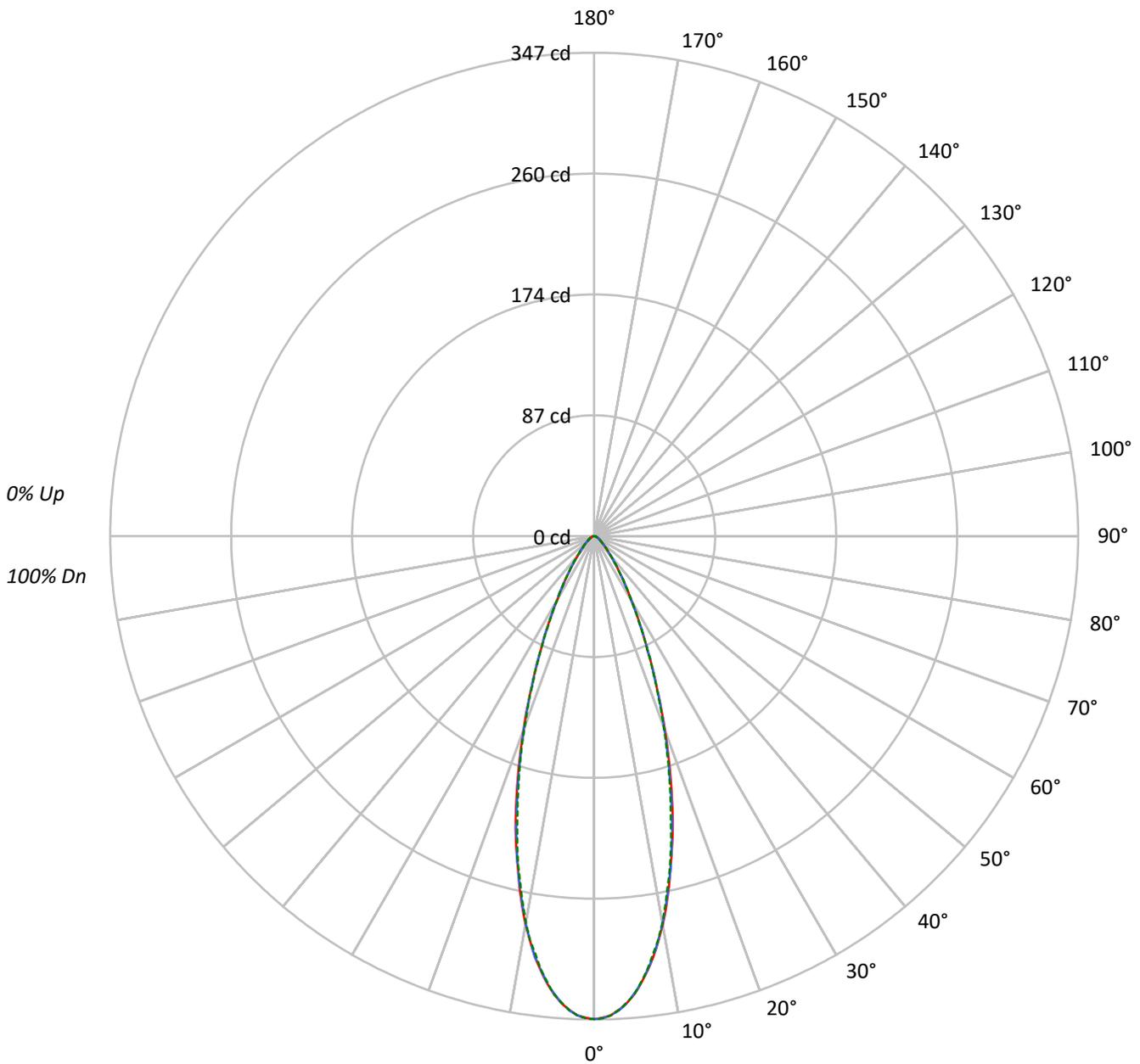
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 171.0 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	88	86	83	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	59710	59710	59710
5°	57068	56964	57068
10°	49543	49368	49299
15°	38815	38512	37906
20°	27161	26905	26740
25°	17254	17349	17254
30°	10619	10699	10619
35°	6581	6623	6623
40°	4182	4227	4227
45°	2825	2850	2898
50°	2036	2090	2090
55°	1591	1591	1591
60°	1309	1309	1309
65°	1141	1141	1141
70°	1057	1057	1057
75°	865	865	865
80°	793	793	793
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 2898 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	17.5
10°-20°	59.0	34.5
20°-30°	42.6	24.9
30°-40°	20.5	12.0
40°-50°	9.5	5.5
50°-60°	4.9	2.9
60°-70°	2.8	1.7
70°-80°	1.4	0.8
80°-90°	0.4	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°	131.5	76.9
0°-40°	152.1	88.9
0°-60°	166.4	97.3
0°-90°	171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	171.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	347	347	347	347	347	
5°	330	331	330	330	330	30
15°	218	217	216	215	213	59
25°	91	91	91	91	91	43
35°	31	31	32	32	32	20
45°	12	12	12	12	12	9
55°	5	5	5	5	5	5
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	346.7	346.7	346.7	346.7	346.7
1°	345.8	346.4	346.2	346.4	346.2
2°	344.1	344.5	344.1	344.3	344.3
3°	340.5	340.9	340.9	340.7	340.5
4°	336.1	337.1	336.1	336.3	335.7
5°	330.1	330.8	329.5	329.7	330.1
6°	322.7	322.9	322.5	322.3	321.9
7°	314.1	314.9	313.6	313.8	313.4
8°	305.1	304.9	304.9	304.1	303.0
9°	294.1	294.8	293.7	293.3	293.5
10°	283.3	283.3	282.3	281.4	281.9
11°	270.9	270.6	270.0	268.7	268.3
12°	257.5	258.3	256.5	256.0	254.7
13°	243.7	244.8	244.0	242.0	242.1
14°	230.8	230.0	229.5	229.1	227.7
15°	217.7	217.3	216.0	215.1	212.6
17.5°	181.9	182.3	179.8	179.4	178.5
20°	148.2	147.0	146.8	147.0	145.9
22.5°	116.9	118.0	116.7	116.9	116.1
25°	90.8	90.9	91.3	91.3	90.8
27.5°	70.5	70.5	70.1	70.5	69.9
30°	53.4	53.4	53.8	54.2	53.4
32.5°	41.3	41.3	41.3	41.5	41.7
35°	31.3	31.3	31.5	31.5	31.5
37.5°	24.1	24.3	24.4	24.4	24.4
40°	18.6	18.8	18.8	18.9	18.8
42.5°	14.8	14.8	14.8	15.0	15.0
45°	11.6	11.7	11.7	11.9	11.9
47.5°	9.5	9.5	9.5	9.7	9.7
50°	7.6	7.8	7.8	7.8	7.8
52.5°	6.3	6.3	6.4	6.4	6.4
55°	5.3	5.3	5.3	5.3	5.3
57.5°	4.4	4.5	4.5	4.5	4.5
60°	3.8	3.8	3.8	3.8	3.8
62.5°	3.2	3.2	3.2	3.2	3.2
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.3	2.5	2.5	2.5	2.5
70°	2.1	2.1	2.1	2.1	2.1
72.5°	1.5	1.7	1.7	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.1	0.9	0.9	0.9	1.1
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2



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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)