

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: P1317211

Luminaire Tested: LDSQA3D05R359827DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317211
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: LDSQA3D05R359827DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

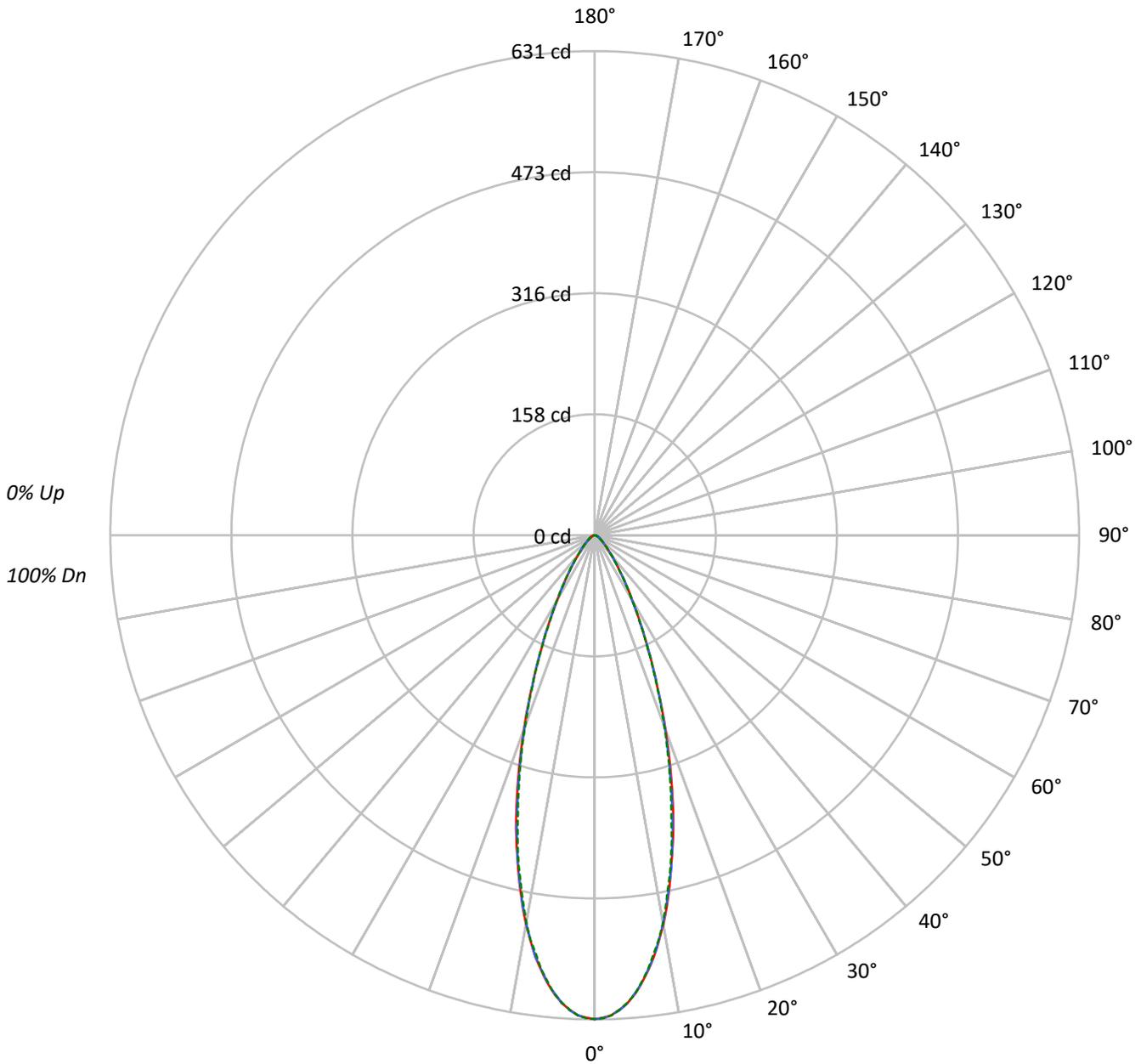
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 311.0 lumens
Efficiency: N/A
Efficacy: 43.2 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): 7.2
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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	108604	108604	108604
5°	103780	103607	103780
10°	90098	89783	89678
15°	70588	70035	68930
20°	49393	48953	48623
25°	31373	31563	31373
30°	19330	19469	19330
35°	11963	12026	12026
40°	7599	7666	7666
45°	5115	5212	5285
50°	3697	3778	3778
55°	2883	2883	2883
60°	2377	2377	2377
65°	2119	2119	2119
70°	1913	1913	1913
75°	1597	1597	1597
80°	1389	1389	1389
85°	593	593	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 5285 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	17.5
10°-20°	107.3	34.5
20°-30°	77.4	24.9
30°-40°	37.3	12.0
40°-50°	17.2	5.5
50°-60°	8.9	2.9
60°-70°	5.2	1.7
70°-80°	2.6	0.8
80°-90°	0.6	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°	239.2	76.9
0°-40°	276.6	88.9
0°-60°	302.7	97.3
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°	631	631	631	631	631	
5°	600	602	599	600	600	55
15°	396	395	393	391	387	108
25°	165	165	166	166	165	77
35°	57	57	57	57	57	37
45°	21	21	21	22	22	17
55°	10	10	10	10	10	9
65°	5	5	5	5	5	5
75°	2	2	2	2	2	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	630.6	630.6	630.6	630.6	630.6
1°	628.9	629.9	629.6	629.9	629.6
2°	625.8	626.5	625.8	626.1	626.1
3°	619.2	619.9	619.9	619.6	619.2
4°	611.3	613.0	611.3	611.7	610.6
5°	600.3	601.7	599.3	599.6	600.3
6°	586.8	587.2	586.5	586.2	585.5
7°	571.3	572.7	570.3	570.7	570.0
8°	554.8	554.5	554.5	553.1	551.0
9°	534.8	536.2	534.1	533.4	533.8
10°	515.2	515.2	513.4	511.7	512.8
11°	492.8	492.1	491.1	488.6	487.9
12°	468.3	469.7	466.6	465.6	463.1
13°	443.2	445.2	443.8	440.1	440.4
14°	419.7	418.3	417.3	416.6	414.2
15°	395.9	395.3	392.8	391.1	386.6
17.5°	330.8	331.5	327.0	326.3	324.6
20°	269.5	267.4	267.1	267.4	265.3
22.5°	212.6	214.7	212.3	212.6	211.2
25°	165.1	165.4	166.1	166.1	165.1
27.5°	128.2	128.2	127.5	128.2	127.2
30°	97.2	97.2	97.9	98.6	97.2
32.5°	75.1	75.1	75.1	75.5	75.8
35°	56.9	56.9	57.2	57.2	57.2
37.5°	43.8	44.1	44.5	44.5	44.5
40°	33.8	34.1	34.1	34.5	34.1
42.5°	26.9	26.9	26.9	27.2	27.2
45°	21.0	21.4	21.4	21.7	21.7
47.5°	17.2	17.2	17.2	17.6	17.6
50°	13.8	14.1	14.1	14.1	14.1
52.5°	11.4	11.4	11.7	11.7	11.7
55°	9.6	9.6	9.6	9.6	9.6
57.5°	7.9	8.3	8.3	8.3	8.3
60°	6.9	6.9	6.9	6.9	6.9
62.5°	5.9	5.9	5.9	5.9	5.9
65°	5.2	5.2	5.2	5.2	5.2
67.5°	4.1	4.5	4.5	4.5	4.5
70°	3.8	3.8	3.8	3.8	3.8
72.5°	2.8	3.1	3.1	3.1	3.1
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.1	1.7	1.7	1.7	2.1
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.3	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.3	0.3



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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)