

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: P1317049

Luminaire Tested: LDSQA3D02R309827DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309827DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

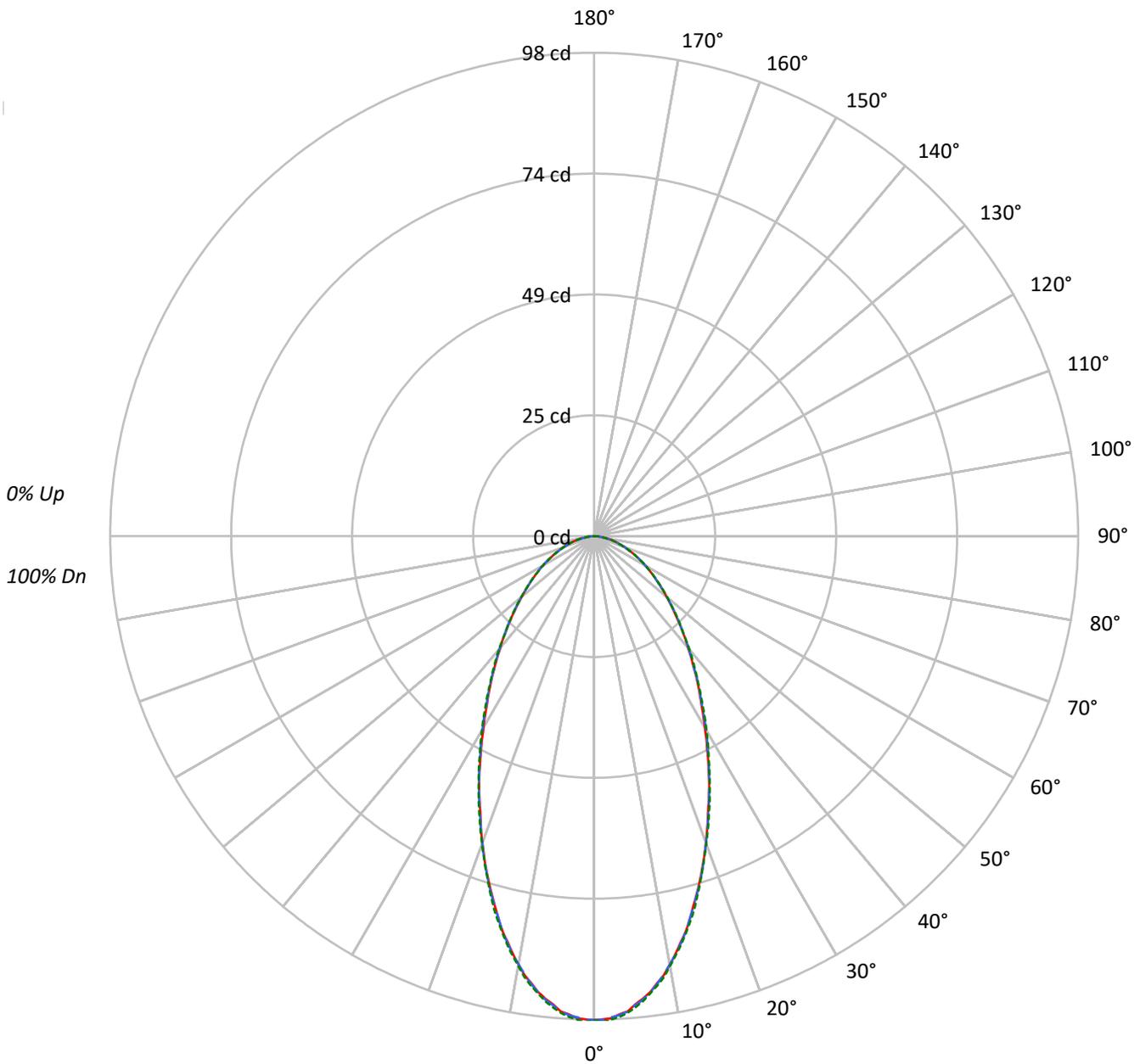
Lumens per Lamp: N/A
Luminaire Lumens: 126.0 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



— 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77		
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68		
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60		
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54		
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41		
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38		
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16895	16895	16895
5°	16476	16510	16579
10°	15424	15424	15477
15°	13836	13854	13961
20°	12133	12133	12169
25°	10470	10470	10527
30°	8909	9009	9048
35°	7695	7737	7758
40°	6655	6700	6745
45°	5821	5870	5870
50°	5144	5144	5171
55°	4594	4594	4594
60°	4133	4133	4133
65°	3708	3708	3708
70°	3323	3323	3323
75°	2994	2928	2928
80°	2579	2380	2380
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5870 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	7.0
10°-20°	21.7	17.2
20°-30°	25.3	20.1
30°-40°	23.0	18.3
40°-50°	18.6	14.8
50°-60°	13.7	10.9
60°-70°	9.1	7.2
70°-80°	4.7	3.7
80°-90°	1.1	0.9
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°	55.9	44.3
0°-40°	78.9	62.6
0°-60°	111.2	88.2
0°-90°	126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	126.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	98	98	98	98	98	
5°	95	95	96	96	96	9
15°	78	78	78	78	78	22
25°	55	55	55	55	55	25
35°	37	36	37	37	37	23
45°	24	24	24	24	24	19
55°	15	15	15	15	15	14
65°	9	9	9	9	9	9
75°	4	4	4	4	4	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	98.1	98.1	98.1	98.1	98.1
1°	98.0	98.0	98.1	98.0	98.5
2°	97.8	97.6	97.6	97.6	98.1
3°	97.1	97.1	97.3	97.1	97.6
4°	96.6	96.4	96.6	96.4	96.9
5°	95.3	95.3	95.5	95.5	95.9
6°	94.3	94.3	94.5	94.3	94.8
7°	93.1	93.1	93.1	93.1	93.4
8°	91.5	91.5	91.7	91.7	92.0
9°	90.1	89.9	89.9	89.9	90.5
10°	88.2	88.2	88.2	88.2	88.5
11°	86.3	86.3	86.3	86.3	86.6
12°	84.2	84.2	84.4	84.2	84.7
13°	82.3	82.3	82.3	82.3	82.6
14°	80.0	79.8	80.0	80.0	80.5
15°	77.6	77.7	77.7	77.7	78.3
17.5°	72.0	72.0	72.2	71.8	72.2
20°	66.2	66.1	66.2	66.2	66.4
22.5°	60.3	60.5	60.5	60.5	60.8
25°	55.1	54.9	55.1	55.1	55.4
27.5°	49.7	49.8	50.0	49.8	50.2
30°	44.8	45.1	45.3	45.0	45.5
32.5°	40.4	40.4	40.6	40.8	41.0
35°	36.6	36.4	36.8	36.8	36.9
37.5°	32.9	32.9	32.9	33.1	33.3
40°	29.6	29.6	29.8	29.8	30.0
42.5°	26.7	26.5	26.7	26.7	26.7
45°	23.9	24.1	24.1	24.1	24.1
47.5°	21.4	21.4	21.6	21.4	21.6
50°	19.2	19.2	19.2	19.2	19.3
52.5°	17.1	17.1	17.1	17.1	17.3
55°	15.3	15.2	15.3	15.2	15.3
57.5°	13.6	13.6	13.6	13.6	13.6
60°	12.0	11.9	12.0	11.9	12.0
62.5°	10.5	10.5	10.5	10.5	10.5
65°	9.1	9.1	9.1	9.1	9.1
67.5°	7.8	7.8	7.8	7.7	7.7
70°	6.6	6.6	6.6	6.6	6.6
72.5°	5.6	5.4	5.4	5.4	5.4
75°	4.5	4.4	4.4	4.4	4.4
77.5°	3.5	3.5	3.3	3.3	3.5
80°	2.6	2.4	2.4	2.4	2.4
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.2	0.2	0.2	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)