

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: P1311164

Luminaire Tested: LDSQA3D05R309040DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311164
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: LDSQA3D05R309040DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

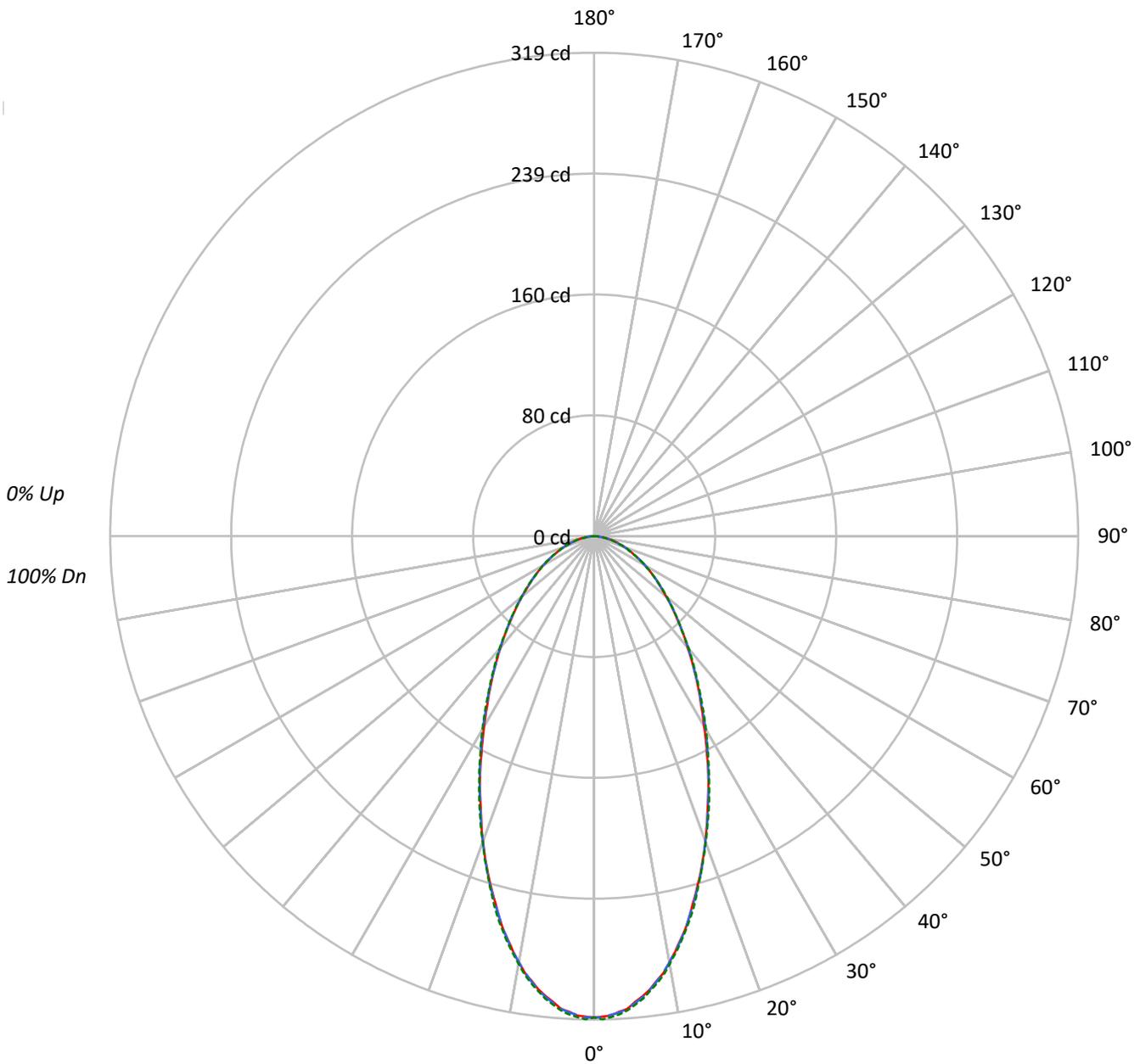
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 408.0 lumens
Efficiency: N/A
Efficacy: 56.7 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): 7.2
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	0
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	74	82	77	72	79	75	71	77	73	70	68
4	89	78	71	65	87	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°	54715	54715	54715
5°	53368	53472	53662
10°	49946	49946	50138
15°	44771	44878	45181
20°	39313	39313	39404
25°	33882	33882	34110
30°	28836	29174	29293
35°	24914	25040	25145
40°	21560	21695	21830
45°	18827	18973	18973
50°	16639	16639	16772
55°	14923	14923	14923
60°	13399	13399	13399
65°	11940	11940	11940
70°	10776	10776	10776
75°	9782	9382	9382
80°	8430	7835	7835
85°	5533	5533	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18973 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	7.1
10°-20°	70.2	17.2
20°-30°	81.9	20.1
30°-40°	74.6	18.3
40°-50°	60.2	14.8
50°-60°	44.5	10.9
60°-70°	29.3	7.2
70°-80°	15.1	3.7
80°-90°	3.4	0.8
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°	180.9	44.3
0°-40°	255.4	62.6
0°-60°	360.1	88.3
0°-90°	408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	318	318	318	318	318	
5°	309	309	309	309	310	29
15°	251	252	252	252	253	70
25°	178	178	178	178	180	82
35°	118	118	119	119	120	74
45°	77	78	78	78	78	60
55°	50	49	50	49	50	45
65°	29	29	29	29	29	29
75°	15	14	14	14	14	16
85°	3	3	3	3	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	317.7	317.7	317.7	317.7	317.7
1°	317.2	317.2	317.7	317.2	318.9
2°	316.6	316.1	316.1	316.1	317.7
3°	314.4	314.4	314.9	314.4	316.1
4°	312.7	312.1	312.7	312.1	313.8
5°	308.7	308.7	309.3	309.3	310.4
6°	305.3	305.3	305.9	305.3	307.0
7°	301.4	301.4	301.4	301.4	302.5
8°	296.3	296.3	296.9	296.9	298.0
9°	291.8	291.2	291.2	291.2	292.9
10°	285.6	285.6	285.6	285.6	286.7
11°	279.4	279.4	279.4	279.4	280.5
12°	272.6	272.6	273.2	272.6	274.3
13°	266.4	266.4	266.4	266.4	267.5
14°	259.0	258.5	259.0	259.0	260.7
15°	251.1	251.7	251.7	251.7	253.4
17.5°	233.1	233.1	233.7	232.5	233.7
20°	214.5	213.9	214.5	214.5	215.0
22.5°	195.3	195.8	195.8	195.8	197.0
25°	178.3	177.8	178.3	178.3	179.5
27.5°	160.8	161.4	162.0	161.4	162.5
30°	145.0	146.2	146.7	145.6	147.3
32.5°	130.9	130.9	131.5	132.1	132.6
35°	118.5	118.0	119.1	119.1	119.6
37.5°	106.7	106.7	106.7	107.2	107.8
40°	95.9	95.9	96.5	96.5	97.1
42.5°	86.3	85.8	86.3	86.3	86.3
45°	77.3	77.9	77.9	77.9	77.9
47.5°	69.4	69.4	70.0	69.4	70.0
50°	62.1	62.1	62.1	62.1	62.6
52.5°	55.3	55.3	55.3	55.3	55.9
55°	49.7	49.1	49.7	49.1	49.7
57.5°	44.0	44.0	44.0	44.0	44.0
60°	38.9	38.4	38.9	38.4	38.9
62.5°	33.9	33.9	33.9	33.9	33.9
65°	29.3	29.3	29.3	29.3	29.3
67.5°	25.4	25.4	25.4	24.8	24.8
70°	21.4	21.4	21.4	21.4	21.4
72.5°	18.1	17.5	17.5	17.5	17.5
75°	14.7	14.1	14.1	14.1	14.1
77.5°	11.3	11.3	10.7	10.7	11.3
80°	8.5	7.9	7.9	7.9	7.9
82.5°	5.1	5.1	5.1	5.1	5.1
85°	2.8	2.8	2.8	2.8	2.8
87.5°	0.6	0.6	0.6	1.1	1.1



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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)