

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: P1319713

Luminaire Tested: LDSQA3D02R459840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R459840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

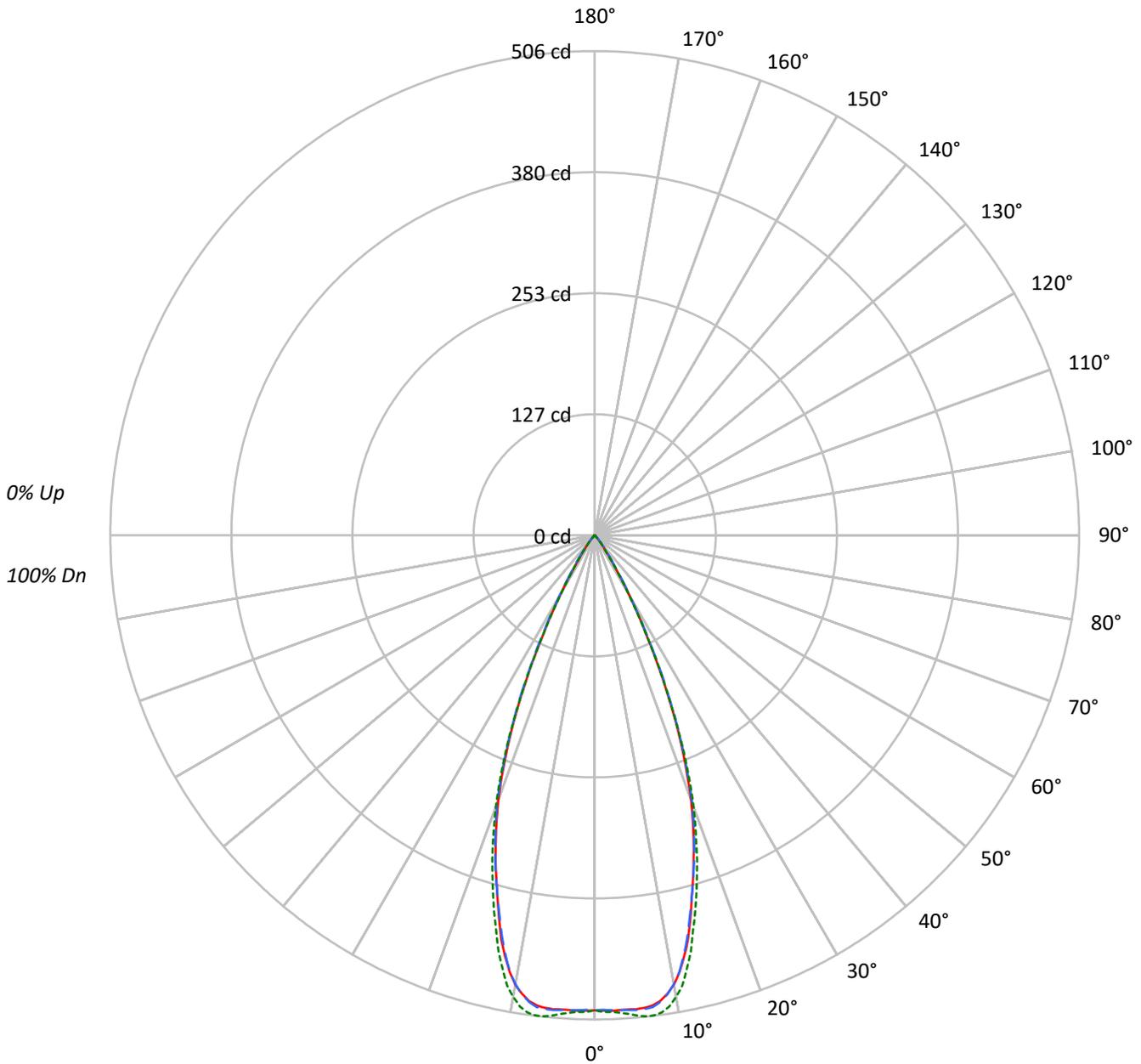
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 257.1 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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



— 0°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	80	80	80	79
6	94	86	82	78	92	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	85526	85526	85526
5°	85939	86112	87097
10°	83400	83330	85638
15°	69893	69857	72425
20°	54030	54579	55349
25°	33122	33806	33198
30°	14199	14835	13761
35°	4457	5382	4352
40°	1529	1956	1484
45°	268	828	219
50°	161	295	161
55°	180	180	180
60°	138	138	138
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 828 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	18.4
10°-20°	109.1	42.4
20°-30°	79.8	31.1
30°-40°	17.6	6.9
40°-50°	2.2	0.8
50°-60°	0.5	0.2
60°-70°	0.4	0.1
70°-80°	0.2	0.1
80°-90°	0.0	0.0
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°	236.1	91.8
0°-40°	253.7	98.7
0°-60°	256.4	99.8
0°-90°	257.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	257.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	497	497	497	497	497	
5°	497	497	498	502	504	47
15°	392	390	392	401	406	108
25°	174	174	178	177	175	79
35°	21	22	26	22	21	17
45°	1	2	3	2	1	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	496.6	496.6	496.6	496.6	496.6
1°	496.9	496.2	496.0	497.3	498.3
2°	497.3	496.4	496.6	497.9	498.5
3°	496.9	496.0	496.9	498.8	499.6
4°	496.7	496.4	497.3	500.0	501.3
5°	497.1	496.7	498.1	501.7	503.8
6°	496.6	496.0	497.9	502.4	505.5
7°	495.2	494.7	496.7	502.2	505.7
8°	491.6	490.5	492.6	499.4	503.6
9°	485.2	483.7	485.8	493.7	498.6
10°	476.9	475.2	476.5	484.2	489.7
11°	464.9	462.6	464.2	472.5	479.7
12°	449.8	446.5	448.4	457.9	463.0
13°	433.3	430.3	430.6	439.2	446.4
14°	412.8	408.8	410.5	419.5	425.1
15°	392.0	389.9	391.8	401.3	406.2
17.5°	344.2	344.0	345.8	352.8	355.4
20°	294.8	295.4	297.8	301.6	302.0
22.5°	236.2	236.4	239.1	241.7	241.2
25°	174.3	174.1	177.9	176.6	174.7
27.5°	115.6	116.3	119.7	117.3	115.4
30°	71.4	72.9	74.6	71.6	69.2
32.5°	38.6	41.1	43.6	40.9	38.5
35°	21.2	22.4	25.6	22.4	20.7
37.5°	12.3	12.9	15.0	12.9	11.7
40°	6.8	7.8	8.7	7.8	6.6
42.5°	2.8	4.4	5.3	4.4	2.8
45°	1.1	1.9	3.4	1.9	0.9
47.5°	0.6	0.8	2.1	0.8	0.6
50°	0.6	0.6	1.1	0.6	0.6
52.5°	0.6	0.6	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.4	0.4	0.4	0.6	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.2	0.2	0.4	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)