

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: P1312131

Luminaire Tested: LDSQA3D02R459050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312131
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: LDSQA3D02R459050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

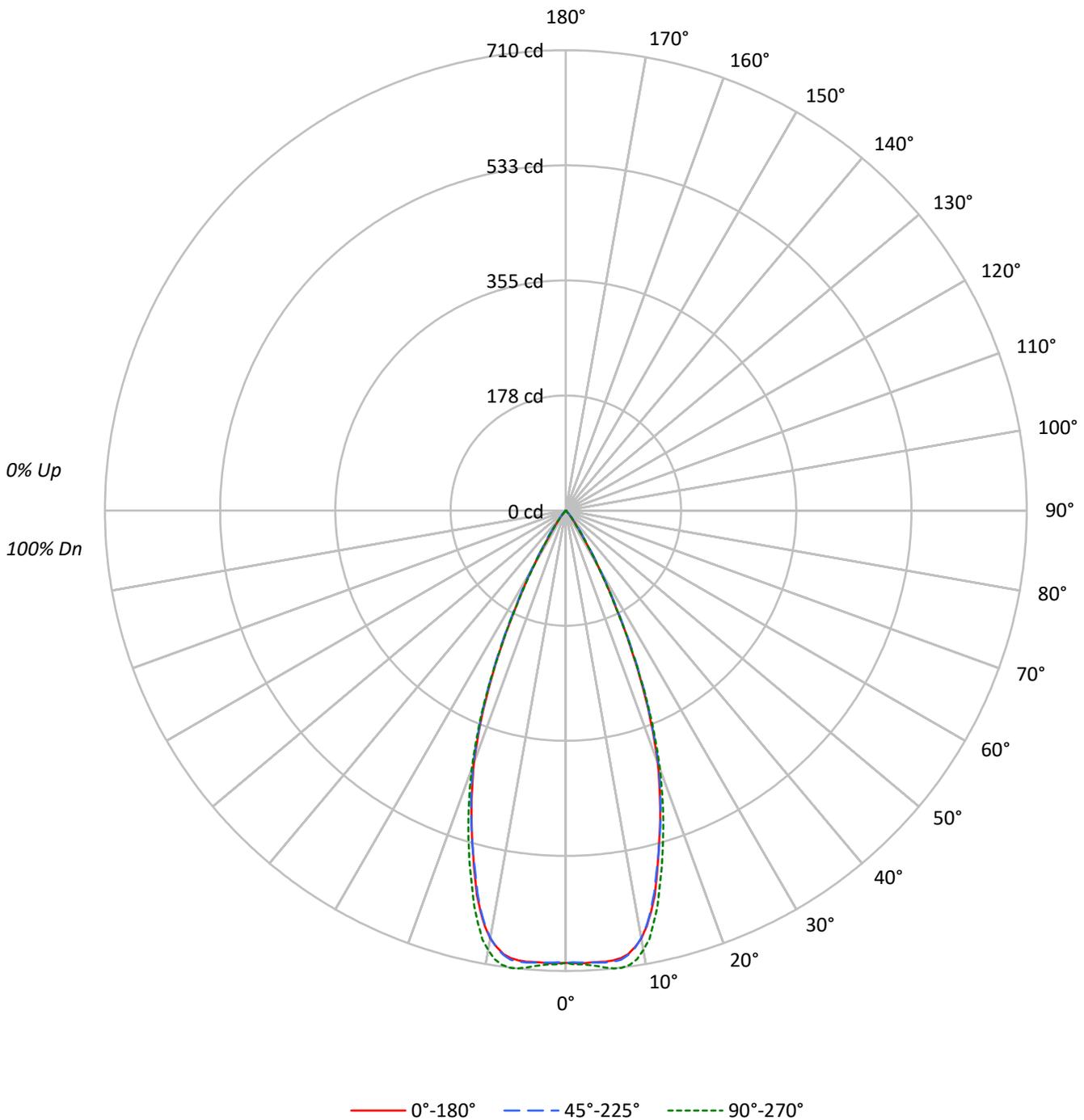
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 361.0 lumens
Efficiency: N/A
Efficacy: 100.3 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





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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	85	85	85	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	82	82	82	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	79	79	79	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	77	77	77	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	76	76	76	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	73	73	73	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	70	70	70	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	120125	120125	120125
5°	120722	120947	122330
10°	117134	117047	120300
15°	98171	98117	101737
20°	75894	76664	77745
25°	46519	47488	46633
30°	19946	20861	19310
35°	6265	7548	6097
40°	2158	2743	2091
45°	390	1169	317
50°	214	429	214
55°	240	240	240
60°	172	172	172
65°	204	204	204
70°	151	151	151
75°	200	200	200
80°	298	298	298
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1169 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	18.4
10°-20°	153.2	42.4
20°-30°	112.2	31.1
30°-40°	24.8	6.9
40°-50°	3.0	0.8
50°-60°	0.7	0.2
60°-70°	0.5	0.1
70°-80°	0.3	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°	331.6	91.9
0°-40°	356.4	98.7
0°-60°	360.2	99.8
0°-90°	361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	698	698	698	698	698	
5°	698	698	700	705	708	66
15°	551	548	550	564	571	152
25°	245	245	250	248	245	111
35°	30	31	36	31	29	24
45°	2	3	5	3	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°	697.5	697.5	697.5	697.5	697.5
1°	698.0	697.0	696.7	698.6	699.9
2°	698.6	697.2	697.5	699.4	700.2
3°	698.0	696.7	698.0	700.7	701.8
4°	697.8	697.2	698.6	702.3	704.2
5°	698.3	697.8	699.6	704.7	707.6
6°	697.5	696.7	699.4	705.8	710.0
7°	695.6	694.8	697.8	705.5	710.3
8°	690.6	689.0	691.9	701.5	707.3
9°	681.5	679.4	682.3	693.5	700.4
10°	669.8	667.4	669.3	680.2	687.9
11°	653.1	649.9	652.0	663.7	673.8
12°	631.8	627.2	629.9	643.2	650.4
13°	608.6	604.4	604.9	616.9	627.0
14°	579.9	574.3	576.7	589.2	597.2
15°	550.6	547.7	550.3	563.6	570.6
17.5°	483.5	483.3	485.7	495.5	499.2
20°	414.1	414.9	418.3	423.7	424.2
22.5°	331.9	332.1	335.8	339.6	338.8
25°	244.8	244.6	249.9	248.0	245.4
27.5°	162.3	163.4	168.2	164.7	162.1
30°	100.3	102.5	104.9	100.6	97.1
32.5°	54.3	57.7	61.2	57.5	54.0
35°	29.8	31.4	35.9	31.4	29.0
37.5°	17.3	18.1	21.0	18.1	16.5
40°	9.6	10.9	12.2	10.9	9.3
42.5°	4.0	6.1	7.5	6.1	4.0
45°	1.6	2.7	4.8	2.7	1.3
47.5°	0.8	1.1	2.9	1.1	0.8
50°	0.8	0.8	1.6	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.5	0.5	0.5	0.8	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.3	0.3	0.3	0.5	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
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)