

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: P1308812

Luminaire Tested: LDSQA3D02R559030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559030DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

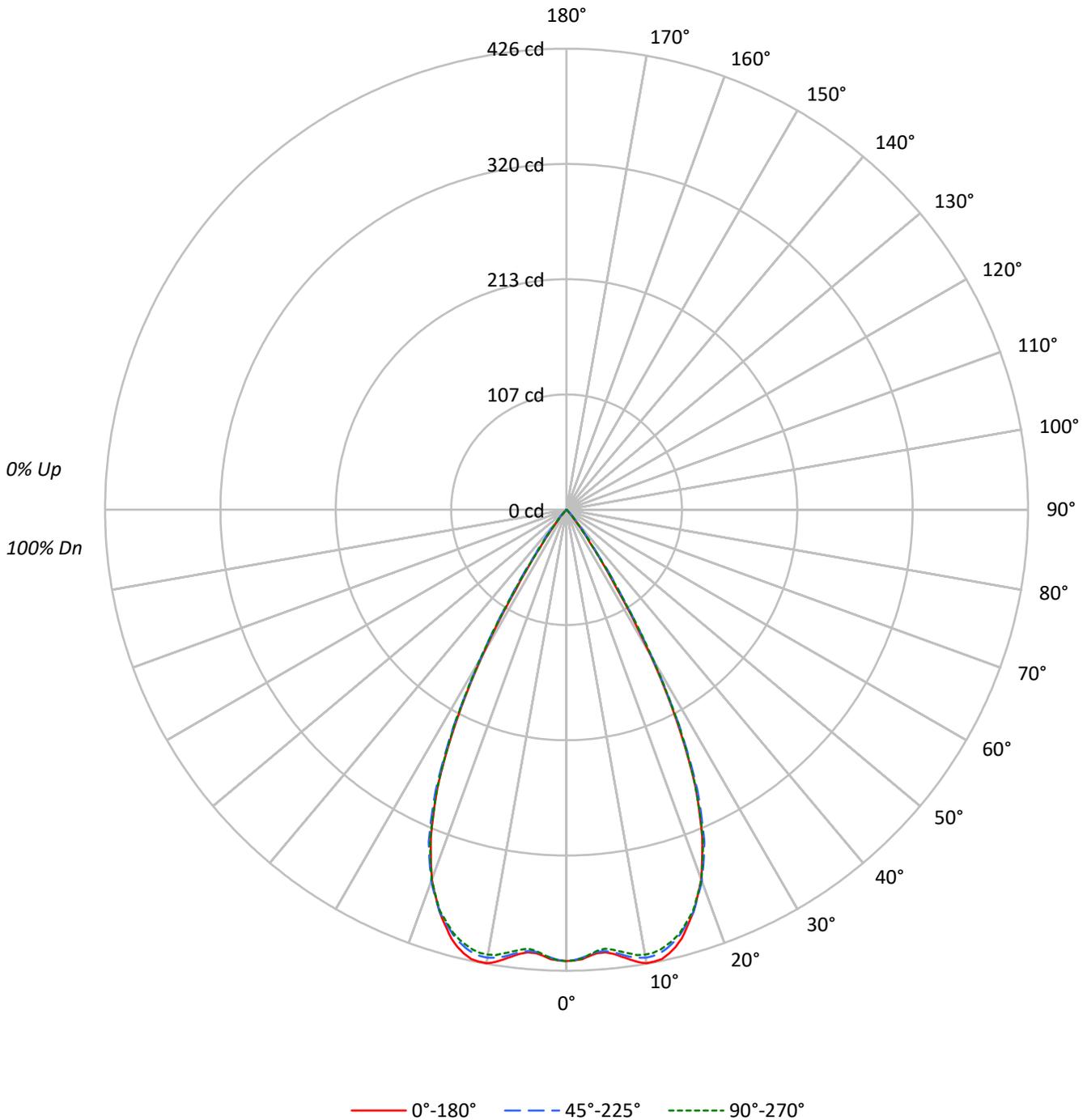
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 317.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
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





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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	71817	71817	71817
5°	70985	70777	70397
10°	74411	73519	73012
15°	73173	72389	72139
20°	66657	66914	66694
25°	53474	54310	53474
30°	30685	31461	31699
35°	8746	10533	8998
40°	2248	3237	2293
45°	244	1120	170
50°	0	188	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1120 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	12.5
10°-20°	113.0	35.6
20°-30°	124.4	39.3
30°-40°	37.1	11.7
40°-50°	2.8	0.9
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	277.0	87.4
0°-40°	314.1	99.1
0°-60°	317.0	100.0
0°-90°	317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	417	417	417	417	417	
5°	411	410	409	408	407	40
15°	410	408	406	404	405	114
25°	281	281	286	285	281	123
35°	42	44	50	46	43	34
45°	1	2	5	2	1	2
55°	0	0	0	0	0	0
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°	417.0	417.0	417.0	417.0	417.0
1°	416.7	416.7	416.2	416.0	416.7
2°	415.5	415.5	414.3	414.0	414.8
3°	412.8	412.6	411.6	410.9	411.4
4°	410.6	410.1	409.4	408.2	408.4
5°	410.6	409.9	409.4	407.7	407.2
6°	412.6	412.1	411.1	409.4	408.9
7°	416.0	415.0	414.0	411.9	411.4
8°	419.6	418.9	417.0	414.8	413.8
9°	423.3	421.6	419.2	417.0	416.7
10°	425.5	423.0	420.4	417.7	417.5
11°	425.2	423.0	419.9	417.5	417.2
12°	424.3	421.1	418.4	415.5	415.7
13°	420.9	417.9	415.3	413.1	412.6
14°	416.2	413.6	411.1	408.9	409.2
15°	410.4	407.5	406.0	404.3	404.6
17.5°	389.7	389.0	389.7	387.8	388.5
20°	363.7	362.9	365.1	364.1	363.9
22.5°	327.4	328.4	332.5	331.3	329.1
25°	281.4	281.4	285.8	285.3	281.4
27.5°	221.5	223.2	225.9	227.1	224.2
30°	154.3	158.2	158.2	160.7	159.4
32.5°	86.2	94.4	96.4	97.6	92.7
35°	41.6	44.3	50.1	45.8	42.8
37.5°	20.0	21.2	27.0	21.9	20.4
40°	10.0	11.4	14.4	11.9	10.2
42.5°	4.1	6.1	7.5	6.1	4.1
45°	1.0	2.4	4.6	2.4	0.7
47.5°	0.0	0.2	2.2	0.5	0.0
50°	0.0	0.0	0.7	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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)