

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: P1314216

Luminaire Tested: LDSQA3D02R559730DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314216
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: LDSQA3D02R559730DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

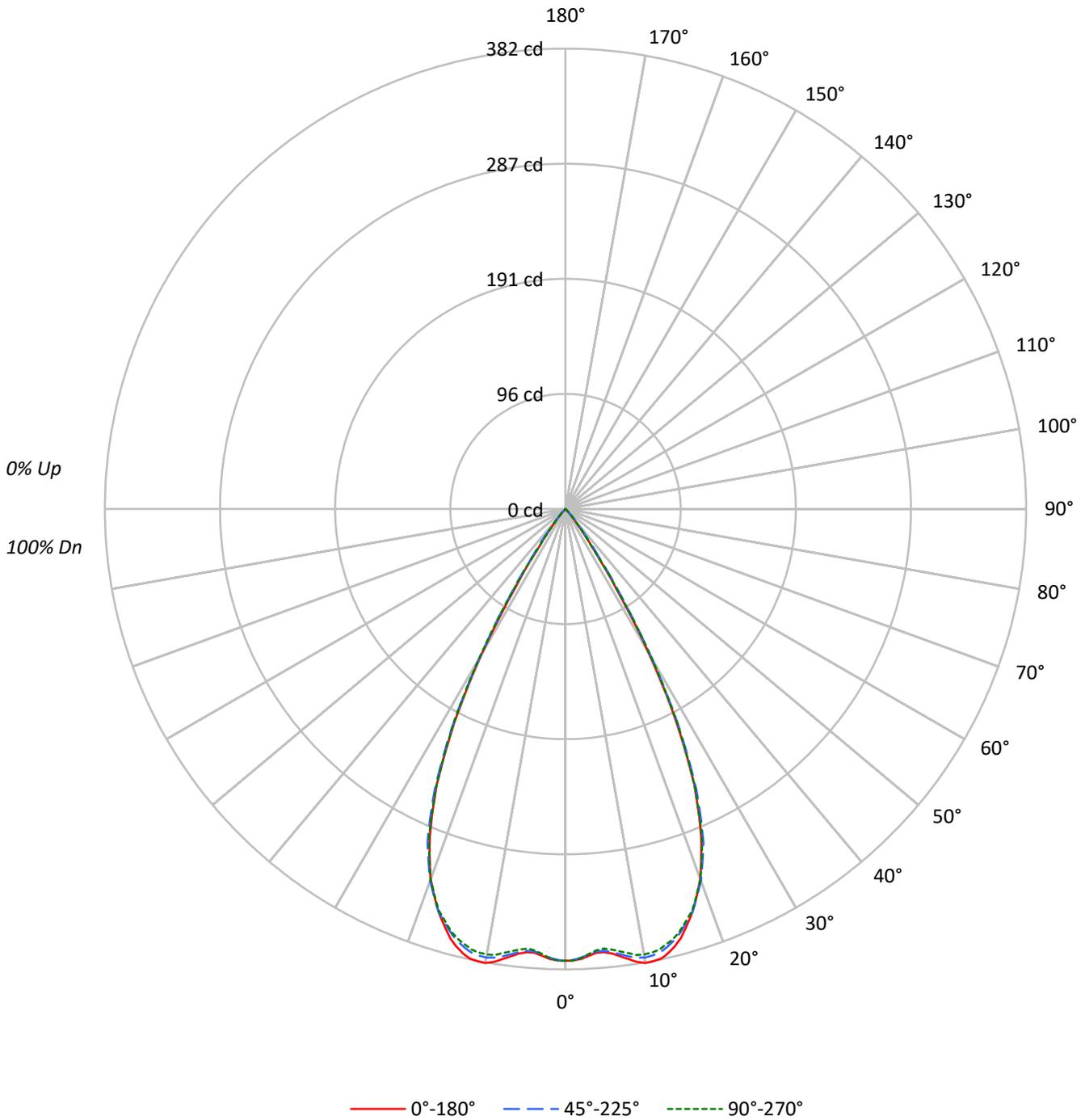
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 285.0 lumens
Efficiency: N/A
Efficacy: 79.2 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 (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				
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°	64566	64566	64566
5°	63827	63637	63292
10°	66891	66087	65632
15°	65792	65079	64847
20°	59913	60169	59968
25°	48077	48818	48077
30°	27583	28279	28497
35°	7863	9482	8094
40°	2023	2900	2068
45°	219	1023	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: 1023 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.6	12.5
10°-20°	101.6	35.6
20°-30°	111.9	39.3
30°-40°	33.4	11.7
40°-50°	2.6	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°	249.0	87.4
0°-40°	282.4	99.1
0°-60°	285.0	100.0
0°-90°	285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	375	375	375	375	375	
5°	369	368	368	367	366	36
15°	369	366	365	364	364	102
25°	253	253	257	256	253	111
35°	37	40	45	41	38	31
45°	1	2	4	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°	374.9	374.9	374.9	374.9	374.9
1°	374.7	374.7	374.2	374.0	374.7
2°	373.6	373.6	372.5	372.2	372.9
3°	371.2	370.9	370.1	369.4	369.8
4°	369.2	368.7	368.1	367.0	367.2
5°	369.2	368.5	368.1	366.6	366.1
6°	370.9	370.5	369.6	368.1	367.7
7°	374.0	373.1	372.2	370.3	369.8
8°	377.3	376.6	374.9	372.9	372.0
9°	380.6	379.0	376.8	374.9	374.7
10°	382.5	380.3	377.9	375.5	375.3
11°	382.3	380.3	377.5	375.3	375.1
12°	381.4	378.6	376.2	373.6	373.8
13°	378.4	375.7	373.3	371.4	370.9
14°	374.2	371.8	369.6	367.7	367.9
15°	369.0	366.3	365.0	363.5	363.7
17.5°	350.4	349.7	350.4	348.6	349.3
20°	326.9	326.3	328.3	327.4	327.2
22.5°	294.3	295.2	298.9	297.8	295.9
25°	253.0	253.0	256.9	256.5	253.0
27.5°	199.1	200.7	203.1	204.2	201.6
30°	138.7	142.2	142.2	144.4	143.3
32.5°	77.5	84.9	86.7	87.8	83.4
35°	37.4	39.8	45.1	41.1	38.5
37.5°	17.9	19.0	24.3	19.7	18.4
40°	9.0	10.3	12.9	10.7	9.2
42.5°	3.7	5.5	6.8	5.5	3.7
45°	0.9	2.2	4.2	2.2	0.7
47.5°	0.0	0.2	2.0	0.4	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)