

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: P1318124

Luminaire Tested: LDSQA3D05R559830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318124
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: LDSQA3D05R559830DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

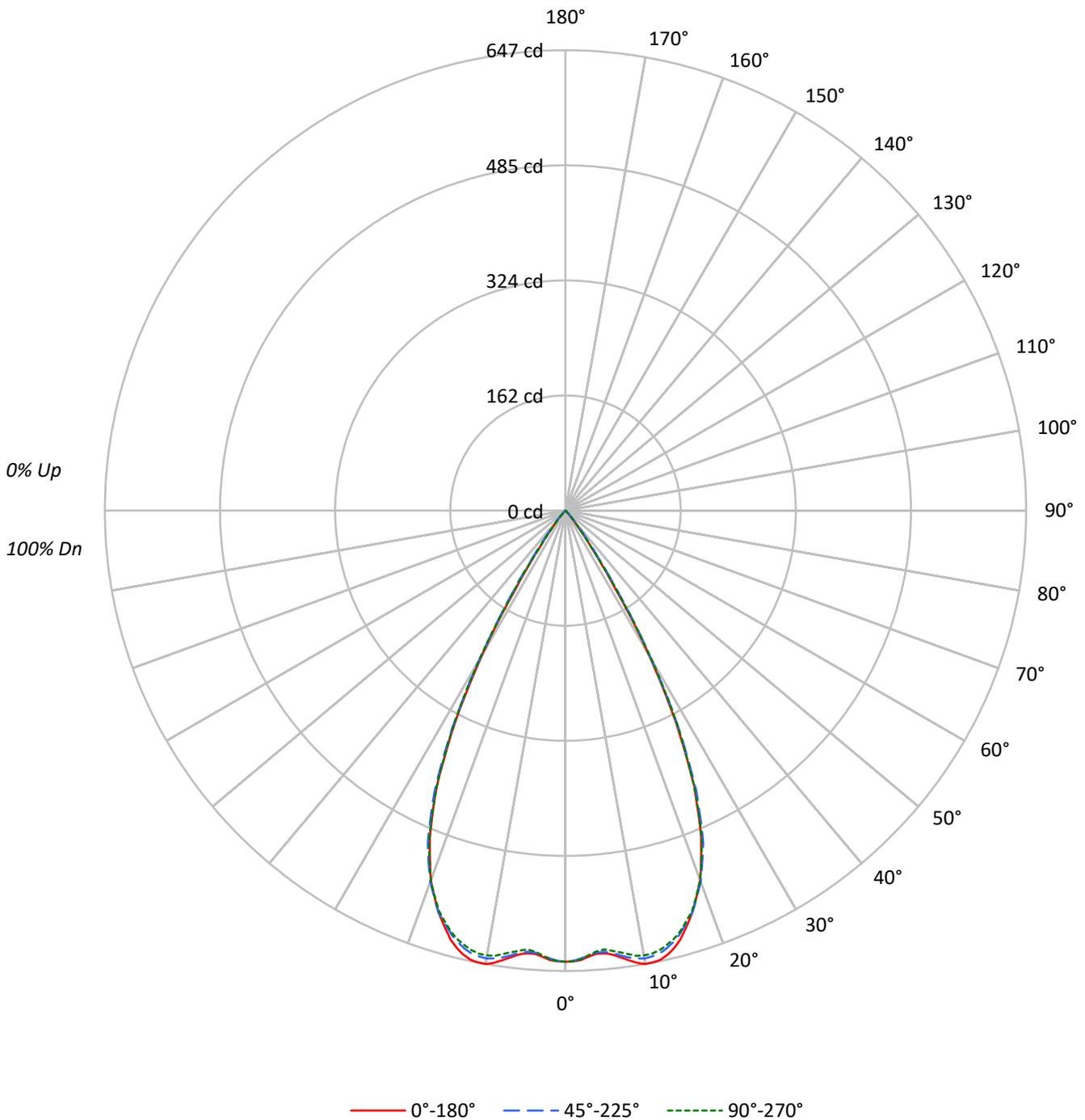
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 482.0 lumens
Efficiency: N/A
Efficacy: 66.9 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): 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





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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	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°	109189	109189	109189
5°	107947	107618	107048
10°	113147	111783	110996
15°	111258	110063	109671
20°	101333	101755	101406
25°	81293	82567	81293
30°	46654	47847	48205
35°	13309	16021	13687
40°	3417	4901	3485
45°	365	1705	268
50°	0	295	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: 1705 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	12.5
10°-20°	171.8	35.6
20°-30°	189.2	39.3
30°-40°	56.5	11.7
40°-50°	4.3	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°	421.2	87.4
0°-40°	477.6	99.1
0°-60°	482.0	100.0
0°-90°	482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	482.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	624	623	622	620	619	61
15°	624	620	617	615	615	173
25°	428	428	434	434	428	187
35°	63	67	76	70	65	52
45°	2	4	7	4	1	3
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°	634.0	634.0	634.0	634.0	634.0
1°	633.6	633.6	632.9	632.5	633.6
2°	631.8	631.8	629.9	629.6	630.7
3°	627.7	627.3	625.9	624.7	625.5
4°	624.4	623.6	622.5	620.7	621.0
5°	624.4	623.3	622.5	619.9	619.2
6°	627.3	626.6	625.1	622.5	621.8
7°	632.5	631.0	629.6	626.2	625.5
8°	638.1	637.0	634.0	630.7	629.2
9°	643.6	641.0	637.3	634.0	633.6
10°	647.0	643.2	639.2	635.1	634.7
11°	646.6	643.2	638.4	634.7	634.4
12°	645.1	640.3	636.2	631.8	632.1
13°	639.9	635.5	631.4	628.1	627.3
14°	632.9	628.8	625.1	621.8	622.2
15°	624.0	619.6	617.3	614.8	615.1
17.5°	592.5	591.4	592.5	589.6	590.7
20°	552.9	551.8	555.2	553.7	553.3
22.5°	497.8	499.3	505.6	503.7	500.4
25°	427.8	427.8	434.5	433.8	427.8
27.5°	336.8	339.4	343.5	345.3	340.9
30°	234.6	240.6	240.6	244.3	242.4
32.5°	131.0	143.6	146.6	148.4	141.0
35°	63.3	67.4	76.2	69.6	65.1
37.5°	30.3	32.2	41.1	33.3	31.1
40°	15.2	17.4	21.8	18.1	15.5
42.5°	6.3	9.3	11.5	9.3	6.3
45°	1.5	3.7	7.0	3.7	1.1
47.5°	0.0	0.4	3.3	0.7	0.0
50°	0.0	0.0	1.1	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)