

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: P1319877

Luminaire Tested: LDSQA3D05R559840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

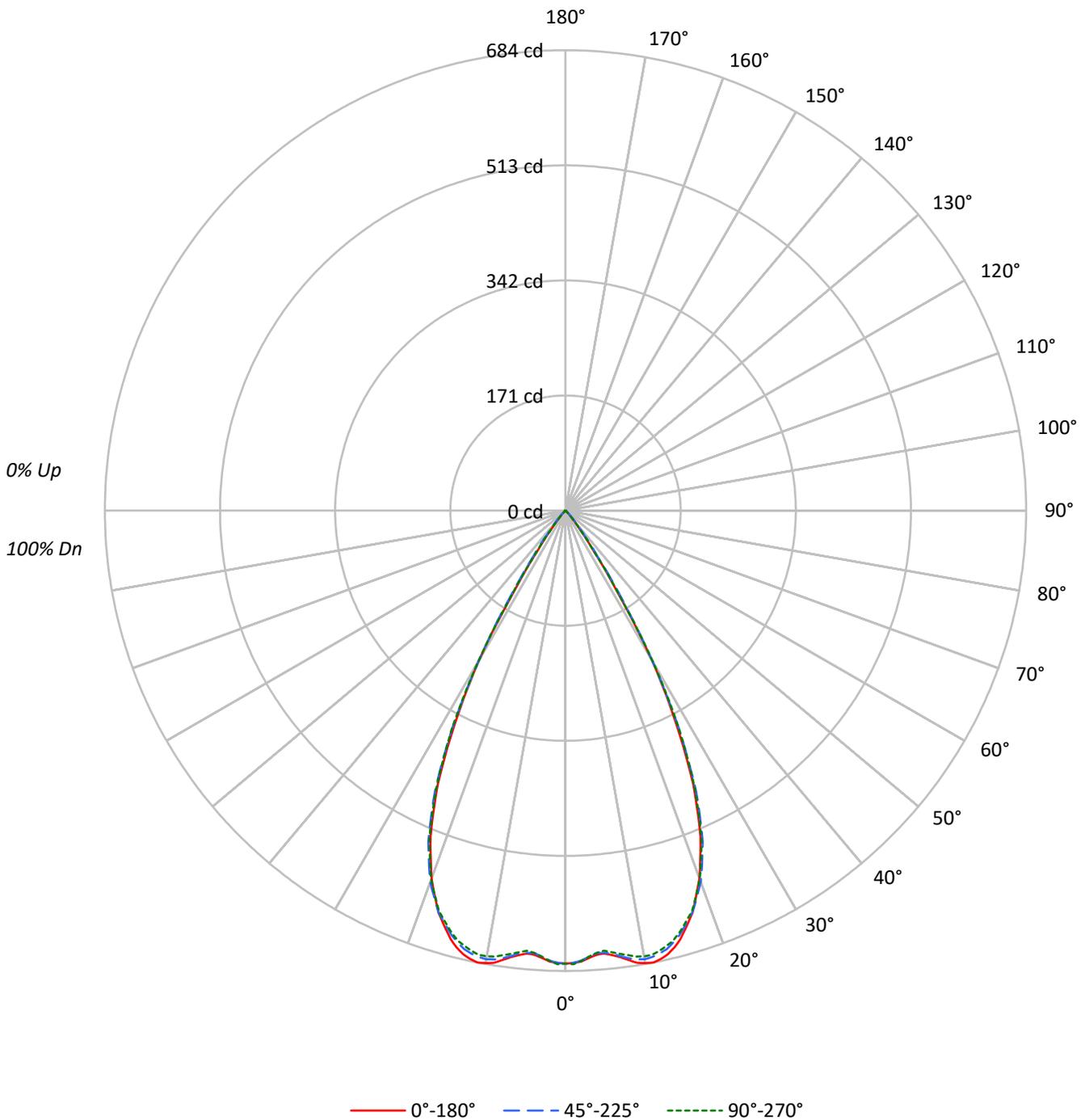
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 516.1 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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 (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	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	115889	115889	115889
5°	114222	114015	113479
10°	119390	118358	117606
15°	117516	116482	115983
20°	106575	107638	106850
25°	85227	87013	86196
30°	51108	51108	51725
35°	14759	17492	15264
40°	4227	5733	4227
45°	950	2192	950
50°	429	723	322
55°	360	360	360
60°	413	413	413
65°	326	326	326
70°	403	403	403
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2192 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	12.4
10°-20°	181.8	35.2
20°-30°	200.4	38.8
30°-40°	61.3	11.9
40°-50°	6.1	1.2
50°-60°	1.1	0.2
60°-70°	0.9	0.2
70°-80°	0.5	0.1
80°-90°	0.2	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°	446.0	86.4
0°-40°	507.3	98.3
0°-60°	514.5	99.7
0°-90°	516.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	516.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	673	673	673	673	673	
5°	661	661	660	658	656	64
15°	659	658	653	650	650	183
25°	448	453	458	462	454	198
35°	70	74	83	76	73	58
45°	4	6	9	6	4	5
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
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°	672.9	672.9	672.9	672.9	672.9
1°	672.1	672.5	672.1	671.3	674.1
2°	670.5	670.1	669.0	668.6	669.7
3°	665.4	665.4	663.9	663.1	663.5
4°	661.5	661.5	659.1	658.4	658.8
5°	660.7	660.7	659.5	657.6	656.4
6°	663.9	664.6	661.9	659.9	659.9
7°	668.6	669.0	667.0	664.2	663.5
8°	674.4	674.8	671.7	668.6	667.0
9°	680.3	679.5	675.2	672.1	670.9
10°	682.7	682.3	676.8	673.7	672.5
11°	683.9	681.9	675.6	672.9	672.5
12°	681.1	679.5	672.9	670.1	669.0
13°	676.4	674.1	668.6	665.8	664.2
14°	669.0	666.6	661.5	658.4	658.8
15°	659.1	658.0	653.3	650.5	650.5
17.5°	626.6	627.4	626.2	625.0	624.2
20°	581.5	584.6	587.3	585.8	583.0
22.5°	523.8	529.3	532.4	533.2	528.1
25°	448.5	452.8	457.9	462.2	453.6
27.5°	354.7	358.6	363.3	366.1	364.9
30°	257.0	257.4	257.0	262.1	260.1
32.5°	142.8	154.6	156.5	160.1	147.5
35°	70.2	73.8	83.2	76.5	72.6
37.5°	33.7	36.1	45.1	36.9	35.3
40°	18.8	20.4	25.5	21.2	18.8
42.5°	9.0	11.8	13.7	12.2	9.0
45°	3.9	5.9	9.0	5.9	3.9
47.5°	1.6	2.4	5.5	2.4	1.6
50°	1.6	1.2	2.7	1.2	1.2
52.5°	1.2	1.2	1.6	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	0.8	1.2	1.2	1.2	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.4	0.8	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
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)