

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: P1318146

Luminaire Tested: LDSQA3D05R709830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709830DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

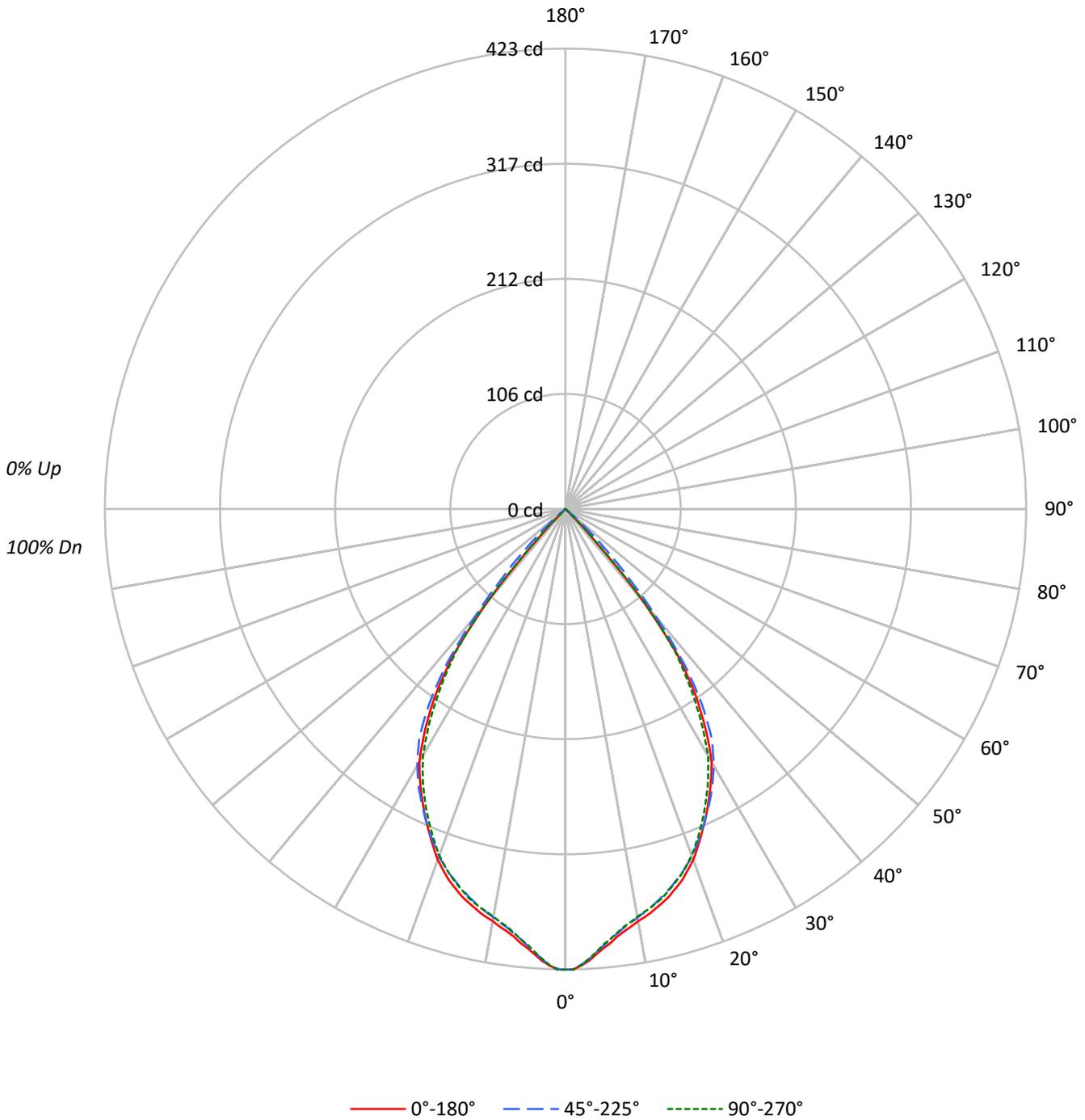
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 438.0 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	72919	72919	72919
5°	69982	69602	69412
10°	67241	66647	66524
15°	65649	64722	64847
20°	62863	62259	62112
25°	58357	58490	57578
30°	53395	54131	52083
35°	43689	45791	41965
40°	25157	29317	25809
45°	365	12178	1267
50°	0	1286	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: 12178 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.8	8.6
10°-20°	102.4	23.4
20°-30°	140.6	32.1
30°-40°	127.5	29.1
40°-50°	29.6	6.8
50°-60°	0.2	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°	280.7	64.1
0°-40°	408.2	93.2
0°-60°	438.0	100.0
0°-90°	438.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	438.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	423	423	423	423	423	
5°	405	404	403	402	402	38
15°	368	366	363	363	364	103
25°	307	308	308	305	303	141
35°	208	211	218	208	200	125
45°	2	17	50	22	5	18
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°	423.4	423.4	423.4	423.4	423.4
1°	423.0	422.3	422.6	423.0	423.4
2°	419.7	418.9	418.9	419.3	419.3
3°	415.6	414.1	414.1	413.7	413.7
4°	410.0	408.9	408.2	407.8	407.8
5°	404.8	403.7	402.6	401.9	401.5
6°	400.4	398.5	397.1	396.7	397.1
7°	395.2	394.1	392.6	391.5	391.9
8°	391.5	390.0	388.2	387.4	387.4
9°	388.2	386.7	384.8	383.4	384.1
10°	384.5	383.0	381.1	380.0	380.4
11°	381.9	380.0	377.8	377.1	377.4
12°	378.9	376.7	374.5	374.1	374.8
13°	375.2	373.0	370.8	370.8	371.5
14°	371.9	369.3	367.1	367.1	368.2
15°	368.2	365.6	363.0	363.0	363.7
17.5°	357.1	354.8	352.2	352.2	352.6
20°	343.0	341.9	339.7	338.5	338.9
22.5°	325.2	325.2	324.1	322.2	321.5
25°	307.1	308.5	307.8	304.8	303.0
27.5°	288.2	290.8	291.1	286.7	283.4
30°	268.5	270.8	272.2	267.1	261.9
32.5°	239.6	246.3	250.0	243.0	232.2
35°	207.8	210.8	217.8	208.5	199.6
37.5°	168.9	172.6	178.5	171.1	165.9
40°	111.9	126.7	130.4	126.7	114.8
42.5°	40.4	71.1	85.6	72.6	47.4
45°	1.5	16.7	50.0	21.5	5.2
47.5°	0.0	0.4	22.6	0.7	0.0
50°	0.0	0.0	4.8	0.0	0.0
52.5°	0.0	0.0	0.4	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)