

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: P1320190

Luminaire Tested: LDSQA3D13R709840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320190
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: LDSQA3D13R709840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

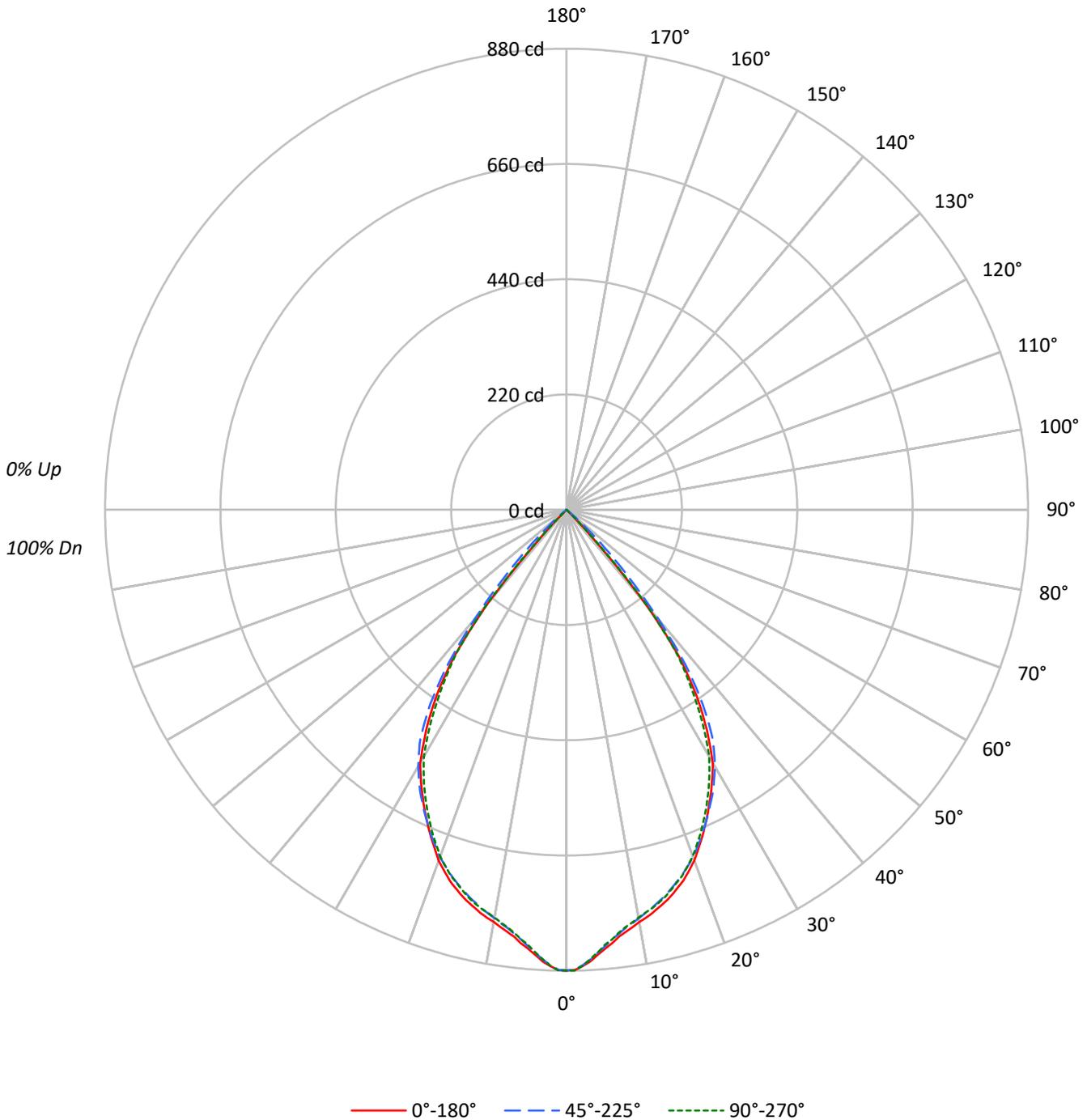
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 910.0 lumens
Efficiency: N/A
Efficacy: 62.8 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): 14.5
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	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°	151487	151487	151487
5°	145410	144615	144217
10°	139694	138487	138207
15°	136380	134472	134740
20°	130602	129338	129044
25°	121237	121522	119622
30°	110947	112478	108203
35°	90763	95136	87210
40°	52248	60904	53642
45°	755	25306	2630
50°	0	2679	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: 25306 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	8.6
10°-20°	212.6	23.4
20°-30°	292.1	32.1
30°-40°	264.9	29.1
40°-50°	61.6	6.8
50°-60°	0.3	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°	583.3	64.1
0°-40°	848.1	93.2
0°-60°	910.0	100.0
0°-90°	910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	880	880	880	880	880	
5°	841	839	836	835	834	79
15°	765	760	754	754	756	215
25°	638	641	640	633	630	293
35°	432	438	452	433	415	259
45°	3	35	104	45	11	37
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°	879.6	879.6	879.6	879.6	879.6
1°	878.8	877.3	878.1	878.8	879.6
2°	871.9	870.4	870.4	871.1	871.1
3°	863.4	860.4	860.4	859.6	859.6
4°	851.9	849.6	848.0	847.3	847.3
5°	841.1	838.8	836.5	835.0	834.2
6°	831.9	828.0	825.0	824.2	825.0
7°	821.1	818.8	815.7	813.4	814.2
8°	813.4	810.3	806.5	804.9	804.9
9°	806.5	803.4	799.6	796.5	798.0
10°	798.8	795.7	791.9	789.6	790.3
11°	793.4	789.6	784.9	783.4	784.2
12°	787.2	782.6	778.0	777.2	778.8
13°	779.6	774.9	770.3	770.3	771.9
14°	772.6	767.2	762.6	762.6	764.9
15°	764.9	759.5	754.2	754.2	755.7
17.5°	741.8	737.2	731.8	731.8	732.6
20°	712.6	710.3	705.7	703.4	704.1
22.5°	675.7	675.7	673.4	669.5	668.0
25°	638.0	641.0	639.5	633.3	629.5
27.5°	598.7	604.1	604.9	595.6	588.7
30°	557.9	562.5	565.6	554.8	544.1
32.5°	497.9	511.7	519.4	504.8	482.5
35°	431.7	437.9	452.5	433.3	414.8
37.5°	350.9	358.6	370.9	355.5	344.8
40°	232.4	263.2	270.9	263.2	238.6
42.5°	83.9	147.8	177.8	150.8	98.5
45°	3.1	34.6	103.9	44.6	10.8
47.5°	0.0	0.8	46.9	1.5	0.0
50°	0.0	0.0	10.0	0.0	0.0
52.5°	0.0	0.0	0.8	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)