

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: P1307238

Luminaire Tested: LDSQA3D13R709024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307238
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: LDSQA3D13R709024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

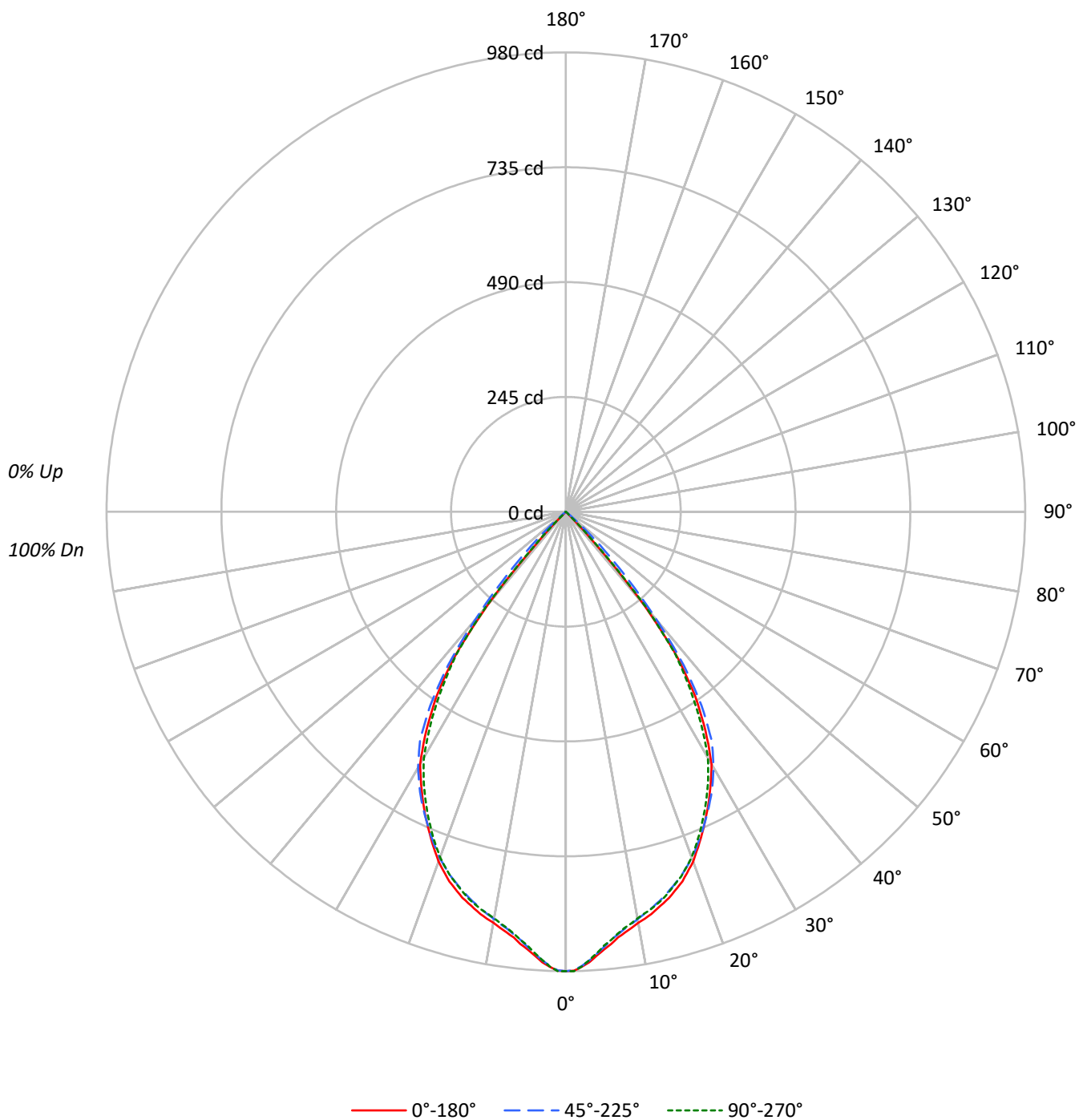
Lumens per Lamp: N/A
Luminaire Lumens: 1014.0 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63		
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59		
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55		
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	168795	168795	168795
5°	162024	161142	160692
10°	155660	154314	153999
15°	151981	149824	150145
20°	145521	144110	143798
25°	135090	135413	133285
30°	123635	125345	120572
35°	101149	106006	97175
40°	58229	67851	59757
45°	828	28204	2923
50°	0	2974	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: 28204 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	8.6
10°-20°	237.0	23.4
20°-30°	325.5	32.1
30°-40°	295.2	29.1
40°-50°	68.6	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°	649.9	64.1
0°-40°	945.1	93.2
0°-60°	1014.0	100.0
0°-90°	1014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	937	935	932	930	930	88
15°	852	846	840	840	842	239
25°	711	714	713	706	701	326
35°	481	488	504	483	462	289
45°	3	39	116	50	12	41
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	980.1	980.1	980.1	980.1	980.1
1°	979.3	977.5	978.4	979.3	980.1
2°	971.5	969.8	969.8	970.7	970.7
3°	962.1	958.7	958.7	957.8	957.8
4°	949.2	946.7	945.0	944.1	944.1
5°	937.2	934.7	932.1	930.4	929.5
6°	927.0	922.7	919.2	918.4	919.2
7°	914.9	912.4	908.9	906.4	907.2
8°	906.4	902.9	898.7	896.9	896.9
9°	898.7	895.2	890.9	887.5	889.2
10°	890.1	886.7	882.4	879.8	880.6
11°	884.1	879.8	874.6	872.9	873.8
12°	877.2	872.1	866.9	866.1	867.8
13°	868.6	863.5	858.4	858.4	860.1
14°	860.9	854.9	849.8	849.8	852.4
15°	852.4	846.3	840.3	840.3	842.1
17.5°	826.6	821.5	815.5	815.5	816.3
20°	794.0	791.5	786.3	783.8	784.6
22.5°	752.9	752.9	750.3	746.0	744.3
25°	710.9	714.3	712.6	705.7	701.4
27.5°	667.1	673.1	674.0	663.7	656.0
30°	621.7	626.8	630.3	618.3	606.3
32.5°	554.8	570.2	578.8	562.5	537.7
35°	481.1	487.9	504.2	482.8	462.2
37.5°	391.0	399.6	413.3	396.2	384.2
40°	259.0	293.3	301.8	293.3	265.8
42.5°	93.5	164.6	198.1	168.1	109.8
45°	3.4	38.6	115.8	49.7	12.0
47.5°	0.0	0.9	52.3	1.7	0.0
50°	0.0	0.0	11.1	0.0	0.0
52.5°	0.0	0.0	0.9	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)