

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: P1315702

Luminaire Tested: LDSQA3D13R709735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315702
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: LDSQA3D13R709735DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

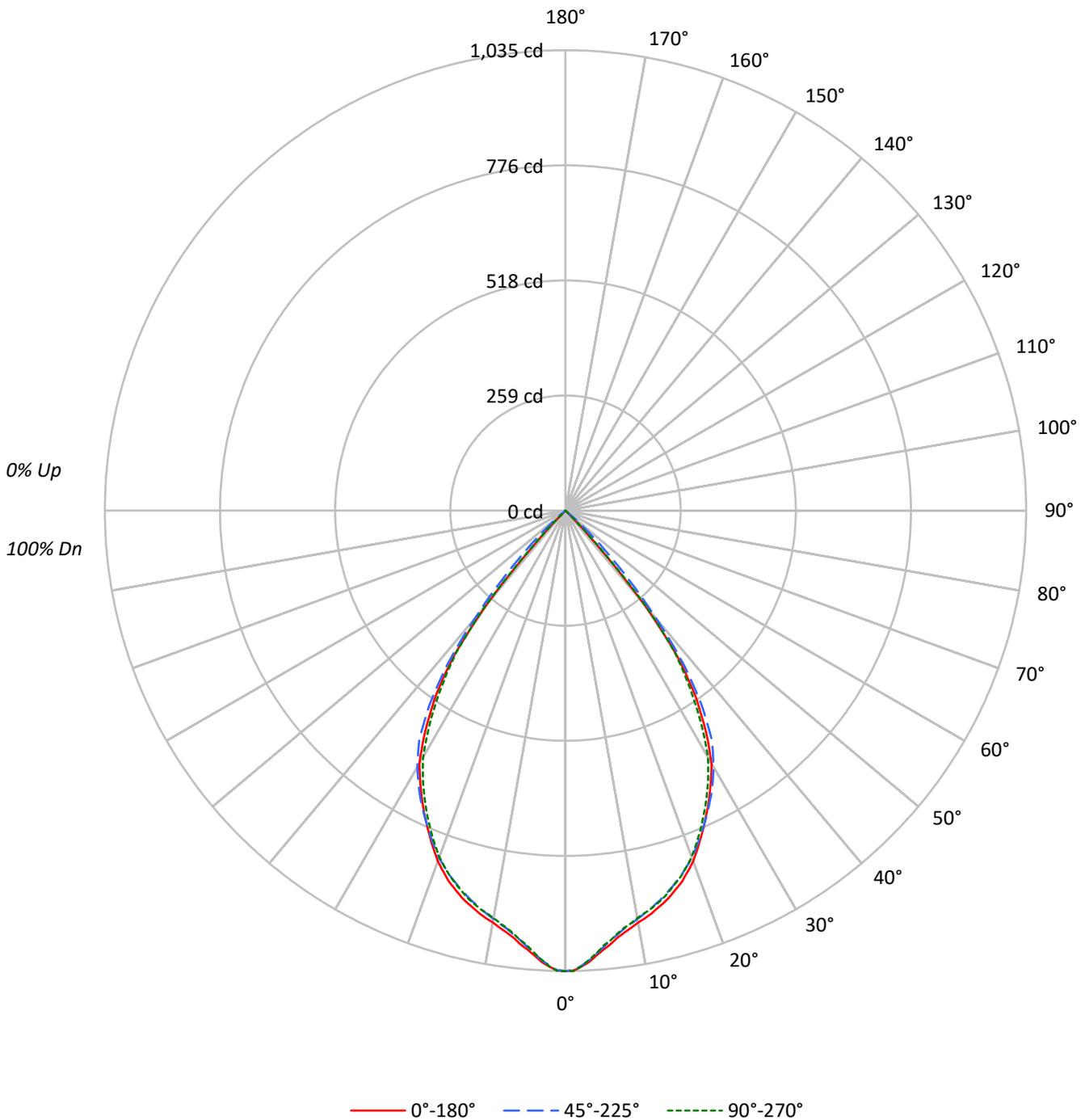
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1071.0 lumens
Efficiency: N/A
Efficacy: 73.4 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				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°	178285	178285	178285
5°	171134	170201	169734
10°	164404	162988	162673
15°	160522	158257	158578
20°	153713	152210	151880
25°	142672	143014	140791
30°	130575	132385	127334
35°	106825	111976	102642
40°	61488	71673	63130
45°	877	29787	3093
50°	0	3162	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: 29787 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	8.6
10°-20°	250.3	23.4
20°-30°	343.8	32.1
30°-40°	311.7	29.1
40°-50°	72.4	6.8
50°-60°	0.4	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°	686.4	64.1
0°-40°	998.2	93.2
0°-60°	1071.0	100.0
0°-90°	1071.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1071.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1035	1035	1035	1035	1035	
5°	990	987	984	983	982	93
15°	900	894	888	888	889	253
25°	751	754	753	745	741	344
35°	508	515	533	510	488	305
45°	4	41	122	52	13	44
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°	1035.2	1035.2	1035.2	1035.2	1035.2
1°	1034.3	1032.5	1033.4	1034.3	1035.2
2°	1026.2	1024.3	1024.3	1025.3	1025.3
3°	1016.2	1012.6	1012.6	1011.7	1011.7
4°	1002.6	999.9	998.1	997.2	997.2
5°	989.9	987.2	984.5	982.7	981.8
6°	979.1	974.5	970.9	970.0	970.9
7°	966.4	963.7	960.0	957.3	958.2
8°	957.3	953.7	949.2	947.4	947.4
9°	949.2	945.5	941.0	937.4	939.2
10°	940.1	936.5	932.0	929.2	930.2
11°	933.8	929.2	923.8	922.0	922.9
12°	926.5	921.1	915.7	914.8	916.6
13°	917.5	912.0	906.6	906.6	908.4
14°	909.3	903.0	897.5	897.5	900.3
15°	900.3	893.9	887.6	887.6	889.4
17.5°	873.1	867.7	861.3	861.3	862.2
20°	838.7	836.0	830.5	827.8	828.7
22.5°	795.2	795.2	792.5	788.0	786.1
25°	750.8	754.4	752.6	745.4	740.9
27.5°	704.6	711.0	711.9	701.0	692.9
30°	656.6	662.1	665.7	653.0	640.3
32.5°	586.0	602.3	611.3	594.1	567.9
35°	508.1	515.3	532.6	509.9	488.2
37.5°	413.0	422.1	436.5	418.4	405.8
40°	273.5	309.7	318.8	309.7	280.8
42.5°	98.7	173.9	209.2	177.5	115.9
45°	3.6	40.8	122.3	52.5	12.7
47.5°	0.0	0.9	55.2	1.8	0.0
50°	0.0	0.0	11.8	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)