

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: P1316742

Luminaire Tested: LDSQA3D17R309740DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316742
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309740DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

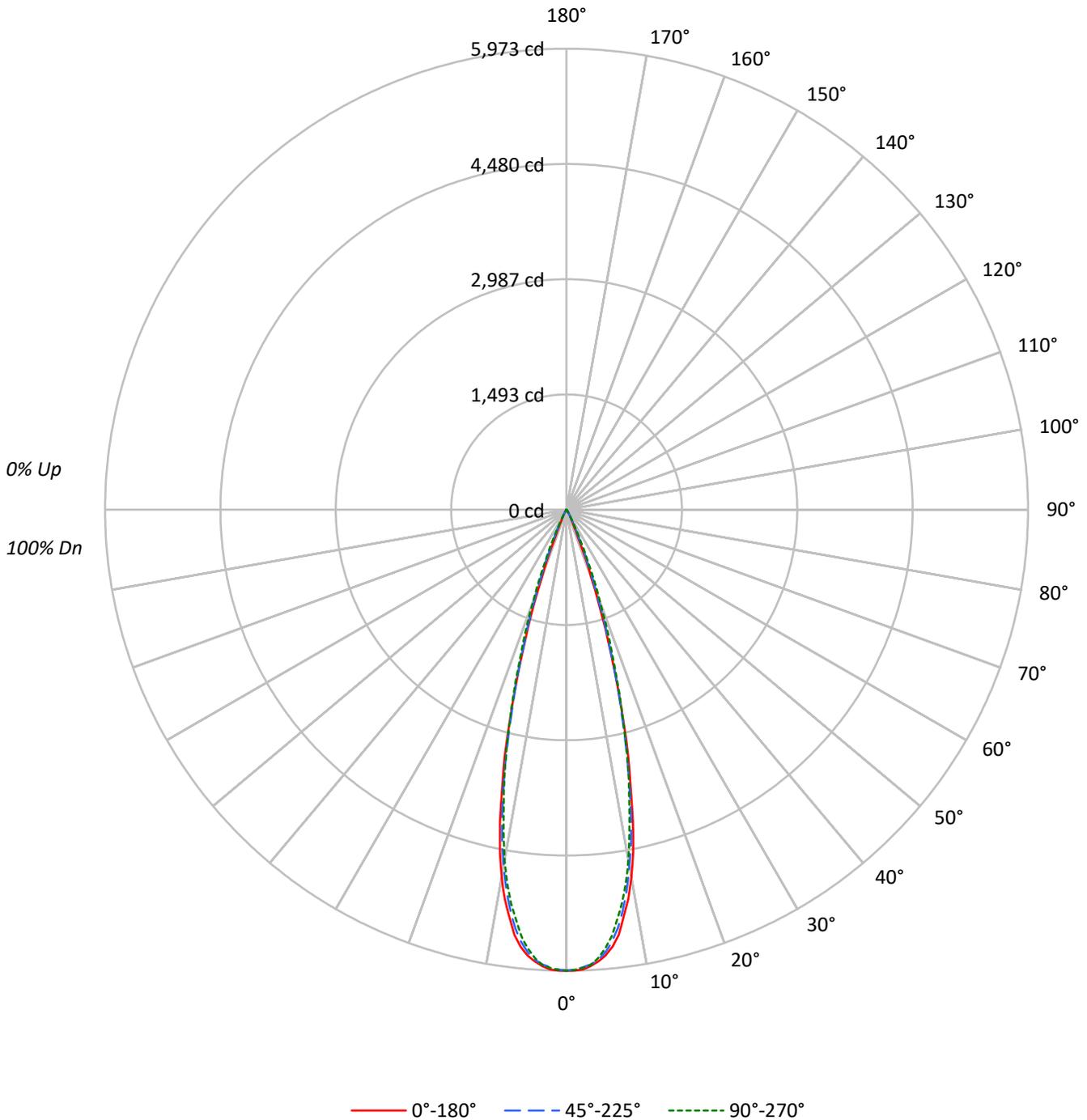
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1447.0 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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				
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	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1028479	1028479	1028479
5°	1001998	995100	986906
10°	845595	819643	806334
15°	509576	495347	504476
20°	172847	199605	230231
25°	31772	49787	58794
30°	10918	12151	13642
35°	3154	3932	4205
40°	832	1394	1124
45°	292	292	292
50°	322	0	322
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: 0°

Vertical Angle: 52.5°

Luminance: 339 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.4	35.7
10°-20°	754.7	52.2
20°-30°	159.7	11.0
30°-40°	14.7	1.0
40°-50°	1.4	0.1
50°-60°	0.1	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°	1430.8	98.9
0°-40°	1445.5	99.9
0°-60°	1447.0	100.0
0°-90°	1447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1447.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5972	5972	5972	5972	5972	
5°	5796	5785	5756	5738	5709	523
15°	2858	2848	2778	2843	2829	754
25°	167	187	262	308	309	122
35°	15	19	19	22	20	12
45°	1	1	1	1	1	1
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°	5971.8	5971.8	5971.8	5971.8	5971.8
1°	5973.1	5966.8	5958.1	5970.6	5961.8
2°	5960.6	5945.6	5933.2	5945.6	5941.9
3°	5923.2	5910.7	5902.0	5908.2	5908.2
4°	5867.0	5853.3	5845.8	5847.1	5828.4
5°	5795.9	5784.7	5756.0	5738.5	5708.6
6°	5691.1	5663.7	5628.8	5600.1	5561.4
7°	5548.9	5506.5	5456.6	5406.7	5358.1
8°	5320.6	5300.7	5233.3	5199.6	5151.0
9°	5106.1	5057.4	4985.0	4930.2	4904.0
10°	4835.3	4763.0	4686.9	4643.2	4610.8
11°	4514.7	4441.1	4380.0	4316.4	4266.5
12°	4138.0	4075.6	4005.8	3963.3	3904.7
13°	3691.4	3682.6	3604.1	3590.3	3582.8
14°	3308.4	3273.5	3196.1	3217.3	3222.3
15°	2858.0	2848.1	2778.2	2843.1	2829.4
17.5°	1790.2	1793.9	1837.6	1939.9	1972.3
20°	943.1	971.8	1089.1	1212.6	1256.2
22.5°	381.7	445.4	565.1	648.7	704.8
25°	167.2	187.1	262.0	308.1	309.4
27.5°	94.8	96.1	126.0	131.0	133.5
30°	54.9	56.1	61.1	64.9	68.6
32.5°	29.9	32.4	33.7	38.7	38.7
35°	15.0	18.7	18.7	22.5	20.0
37.5°	8.7	10.0	11.2	11.2	10.0
40°	3.7	5.0	6.2	6.2	5.0
42.5°	1.2	2.5	2.5	2.5	3.7
45°	1.2	1.2	1.2	1.2	1.2
47.5°	1.2	1.2	0.0	1.2	1.2
50°	1.2	0.0	0.0	0.0	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
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)