

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: P1315590

Luminaire Tested: LDSQA3D13R209735DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209735DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

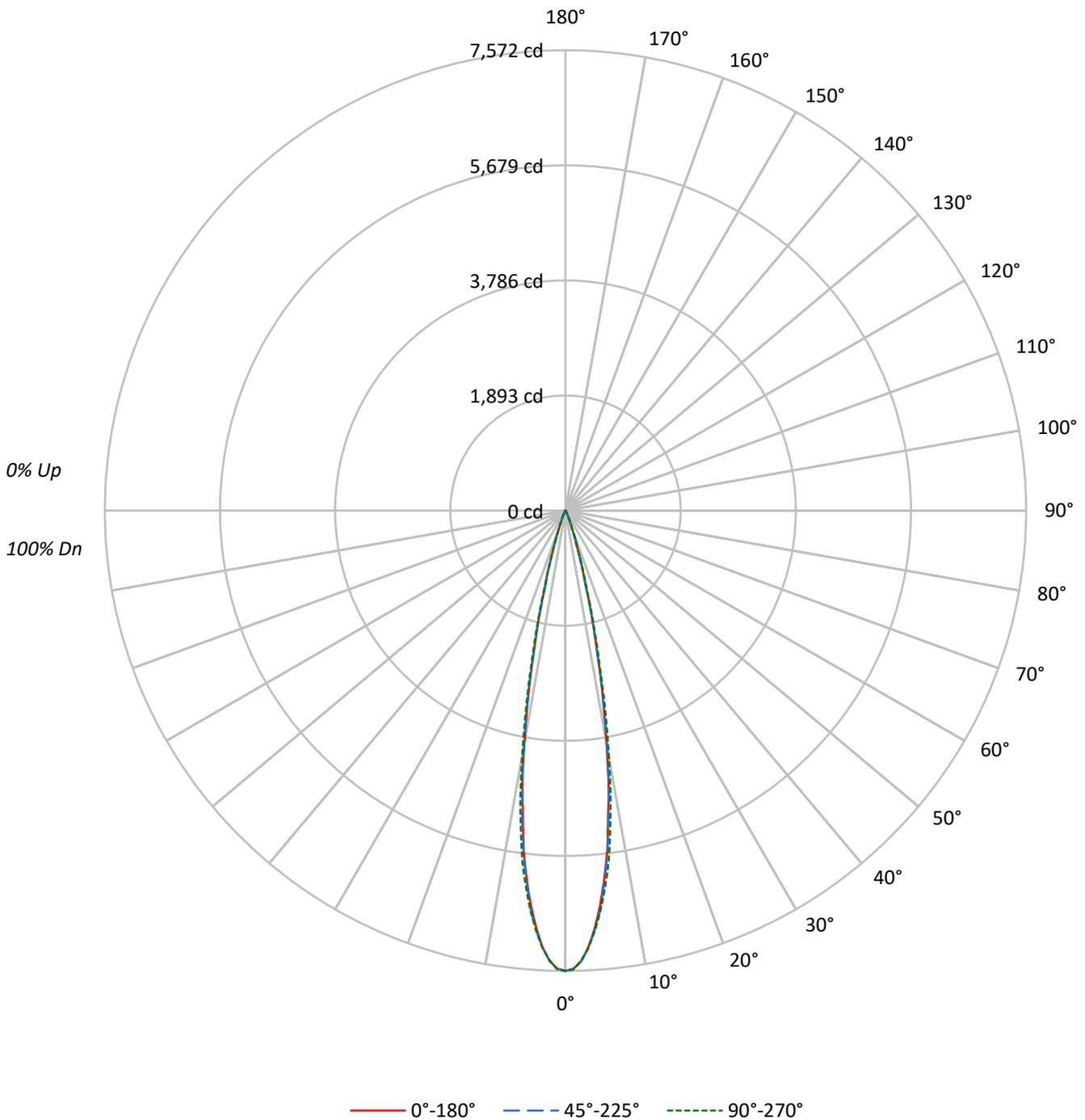
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1017.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
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 (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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	95	93	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	88	86	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1304053	1304053	1304053
5°	1126541	1137035	1141271
10°	678165	684496	718562
15°	234569	229077	247335
20°	61599	57952	58117
25°	13435	16190	18414
30°	5767	5767	5946
35°	3238	2859	3049
40°	1416	1619	1844
45°	438	658	658
50°	241	241	241
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: 22.5°
 Vertical Angle: 45°
 Luminance: 658 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.6	53.3
10°-20°	412.3	40.5
20°-30°	51.0	5.0
30°-40°	9.6	0.9
40°-50°	2.3	0.2
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°	1004.9	98.8
0°-40°	1014.5	99.8
0°-60°	1017.0	100.0
0°-90°	1017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7572	7572	7572	7572	7572	
5°	6516	6512	6577	6572	6602	537
15°	1316	1268	1285	1362	1387	412
25°	71	81	85	89	97	49
35°	15	15	14	14	14	10
45°	2	3	3	3	3	2
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°	7571.9	7571.9	7571.9	7571.9	7571.9
1°	7536.5	7527.5	7534.7	7519.3	7551.0
2°	7416.0	7407.0	7407.0	7397.9	7402.4
3°	7191.3	7205.8	7196.8	7177.7	7202.2
4°	6885.1	6901.4	6915.9	6916.8	6920.4
5°	6516.3	6511.8	6577.0	6572.5	6601.5
6°	6095.9	6090.5	6118.6	6165.7	6223.7
7°	5633.8	5567.7	5642.9	5738.0	5815.9
8°	5035.8	5053.0	5104.7	5217.0	5279.6
9°	4528.4	4427.9	4537.5	4671.6	4739.5
10°	3877.9	3796.4	3914.1	4055.5	4108.9
12.5°	2440.9	2370.2	2408.3	2556.9	2580.4
15°	1315.6	1268.5	1284.8	1361.8	1387.2
17.5°	671.4	628.8	619.7	668.7	674.1
20°	336.1	326.2	316.2	320.7	317.1
22.5°	155.8	169.4	167.6	158.6	169.4
25°	70.7	80.6	85.2	88.8	96.9
27.5°	43.5	41.7	48.0	51.6	52.6
30°	29.0	28.1	29.0	29.9	29.9
32.5°	20.8	19.9	19.0	19.0	19.9
35°	15.4	15.4	13.6	14.5	14.5
37.5°	10.9	10.9	10.0	10.9	10.9
40°	6.3	7.2	7.2	7.2	8.2
42.5°	3.6	4.5	4.5	4.5	4.5
45°	1.8	2.7	2.7	2.7	2.7
47.5°	0.9	0.9	0.9	1.8	1.8
50°	0.9	0.9	0.9	0.9	0.9
52.5°	0.9	0.0	0.0	0.0	0.9
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)