

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: P1319527

Luminaire Tested: LDSQA3D20R309835D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319527
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: LDSQA3D20R309835D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

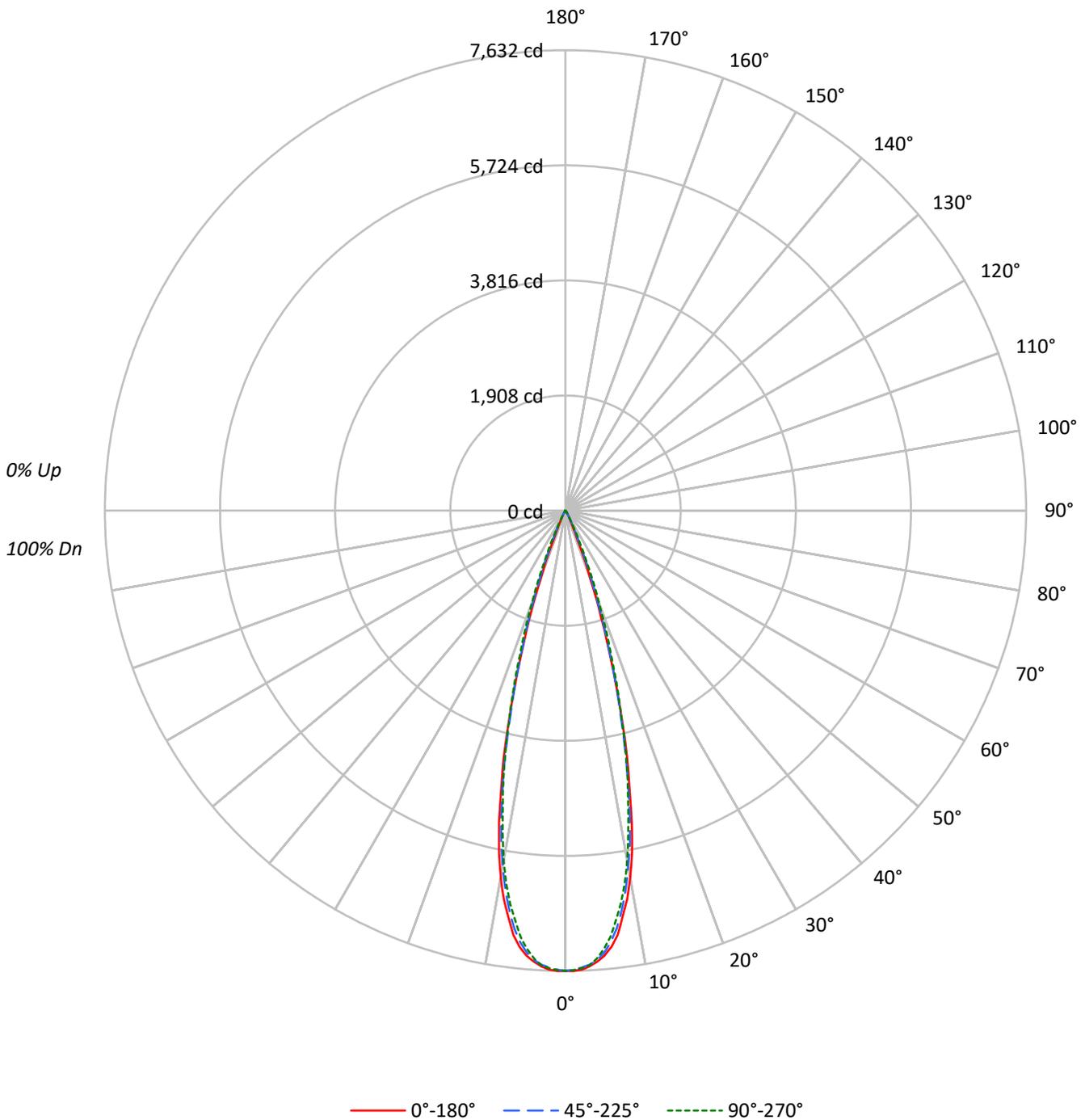
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1849.0 lumens
Efficiency: N/A
Efficacy: 67.5 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): 27.4
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1314214	1314214	1314214
5°	1280370	1271553	1261077
10°	1080528	1047353	1030337
15°	651162	632958	644619
20°	220865	255046	294194
25°	40590	63621	75118
30°	13940	15531	17441
35°	4016	5025	5361
40°	1079	1799	1439
45°	390	390	390
50°	429	0	429
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: 453 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	659.8	35.7
10°-20°	964.4	52.2
20°-30°	204.1	11.0
30°-40°	18.8	1.0
40°-50°	1.8	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°	1828.3	98.9
0°-40°	1847.1	99.9
0°-60°	1849.0	100.0
0°-90°	1849.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1849.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7631	7631	7631	7631	7631	
5°	7406	7392	7355	7333	7294	669
15°	3652	3639	3550	3633	3615	963
25°	214	239	335	394	395	156
35°	19	24	24	29	26	16
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
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°	7630.9	7630.9	7630.9	7630.9	7630.9
1°	7632.5	7624.5	7613.4	7629.3	7618.1
2°	7616.6	7597.4	7581.5	7597.4	7592.6
3°	7568.7	7552.8	7541.6	7549.6	7549.6
4°	7497.0	7479.5	7469.9	7471.5	7447.6
5°	7406.1	7391.8	7355.1	7332.8	7294.5
6°	7272.2	7237.2	7192.5	7155.9	7106.4
7°	7090.5	7036.3	6972.5	6908.8	6846.6
8°	6798.8	6773.3	6687.2	6644.2	6582.0
9°	6524.6	6462.4	6370.0	6299.8	6266.4
10°	6178.7	6086.2	5989.0	5933.2	5891.7
11°	5769.0	5675.0	5596.8	5515.5	5451.8
12°	5287.6	5207.9	5118.6	5064.4	4989.5
13°	4716.9	4705.7	4605.3	4587.8	4578.2
14°	4227.5	4182.9	4084.1	4111.2	4117.5
15°	3652.1	3639.3	3550.0	3632.9	3615.4
17.5°	2287.5	2292.3	2348.1	2478.8	2520.3
20°	1205.1	1241.8	1391.6	1549.5	1605.2
22.5°	487.8	569.1	722.1	828.9	900.7
25°	213.6	239.1	334.8	393.7	395.3
27.5°	121.2	122.7	161.0	167.4	170.6
30°	70.1	71.7	78.1	82.9	87.7
32.5°	38.3	41.4	43.0	49.4	49.4
35°	19.1	23.9	23.9	28.7	25.5
37.5°	11.2	12.8	14.3	14.3	12.8
40°	4.8	6.4	8.0	8.0	6.4
42.5°	1.6	3.2	3.2	3.2	4.8
45°	1.6	1.6	1.6	1.6	1.6
47.5°	1.6	1.6	0.0	1.6	1.6
50°	1.6	0.0	0.0	0.0	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
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)