

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: P1314797

Luminaire Tested: LDSQA3D17R309730DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314797
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: LDSQA3D17R309730DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

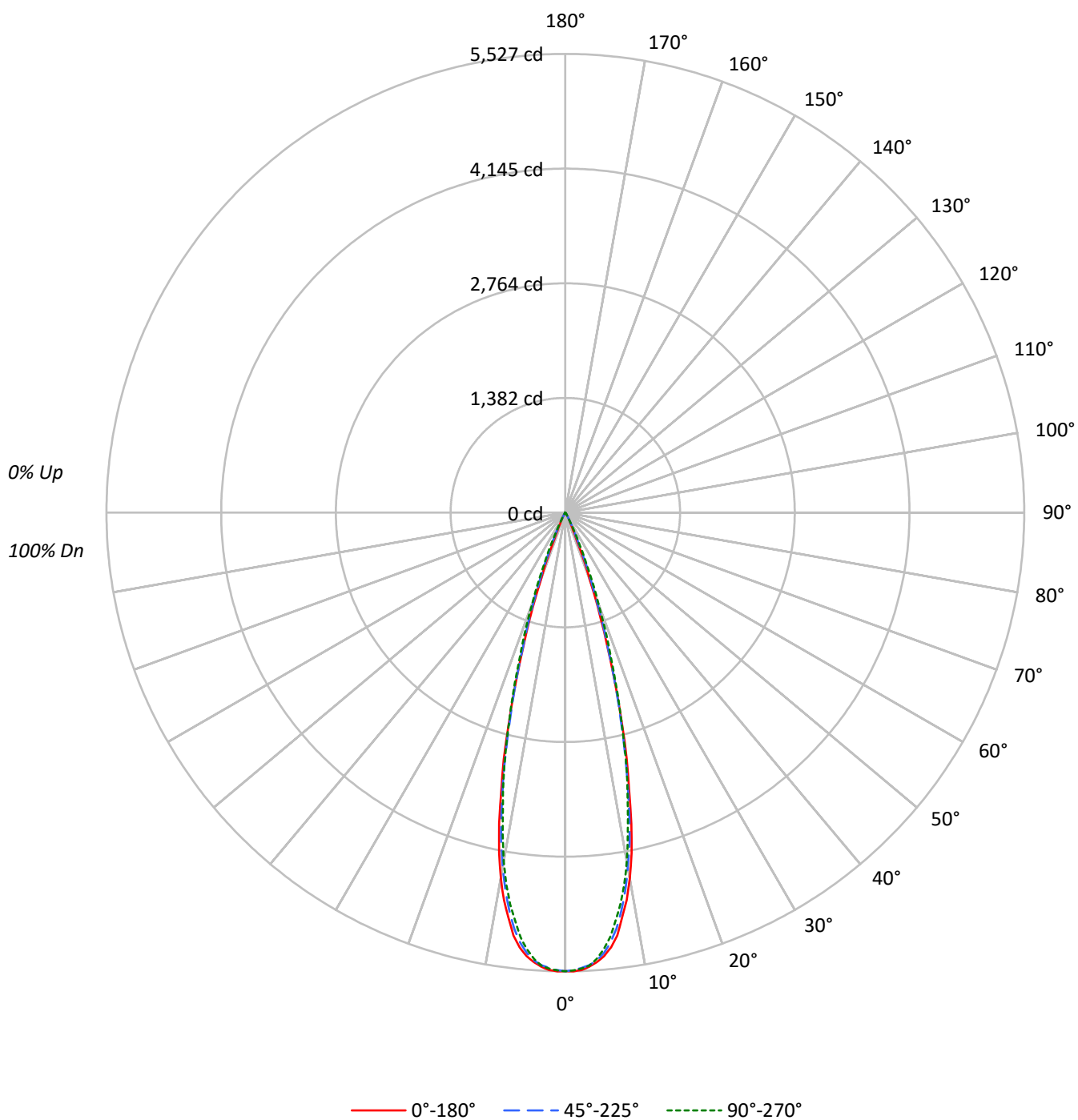
Lumens per Lamp: N/A
Luminaire Lumens: 1339.0 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (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
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	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	951720	951720	951720
5°	927210	920831	913241
10°	782481	758470	746158
15°	471545	458368	466820
20°	159945	184705	213058
25°	29397	46062	54405
30°	10102	11256	12628
35°	2922	3637	3890
40°	787	1304	1034
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°	477.8	35.7
10°-20°	698.4	52.2
20°-30°	147.8	11.0
30°-40°	13.6	1.0
40°-50°	1.3	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°	1324.0	98.9
0°-40°	1337.6	99.9
0°-60°	1339.0	100.0
0°-90°	1339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1339.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5526	5526	5526	5526	5526	
5°	5363	5353	5326	5310	5282	484
15°	2645	2636	2571	2631	2618	698
25°	155	173	242	285	286	113
35°	14	17	17	21	18	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°	5526.1	5526.1	5526.1	5526.1	5526.1
1°	5527.3	5521.5	5513.4	5525.0	5516.9
2°	5515.7	5501.9	5490.3	5501.9	5498.4
3°	5481.1	5469.5	5461.5	5467.2	5467.2
4°	5429.1	5416.4	5409.5	5410.7	5393.4
5°	5363.3	5352.9	5326.4	5310.2	5282.5
6°	5266.4	5241.0	5208.6	5182.1	5146.3
7°	5134.8	5095.5	5049.3	5003.2	4958.1
8°	4923.5	4905.0	4842.7	4811.5	4766.5
9°	4725.0	4679.9	4613.0	4562.2	4537.9
10°	4474.4	4407.5	4337.1	4296.7	4266.7
11°	4177.8	4109.7	4053.1	3994.2	3948.0
12°	3829.1	3771.4	3706.8	3667.5	3613.3
13°	3415.9	3407.8	3335.1	3322.4	3315.4
14°	3061.5	3029.1	2957.6	2977.2	2981.8
15°	2644.7	2635.5	2570.8	2630.9	2618.2
17.5°	1656.6	1660.0	1700.4	1795.1	1825.1
20°	872.7	899.3	1007.8	1122.1	1162.5
22.5°	353.2	412.1	522.9	600.3	652.2
25°	154.7	173.2	242.4	285.1	286.3
27.5°	87.7	88.9	116.6	121.2	123.5
30°	50.8	51.9	56.6	60.0	63.5
32.5°	27.7	30.0	31.2	35.8	35.8
35°	13.9	17.3	17.3	20.8	18.5
37.5°	8.1	9.2	10.4	10.4	9.2
40°	3.5	4.6	5.8	5.8	4.6
42.5°	1.2	2.3	2.3	2.3	3.5
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)