

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: P1318668

Luminaire Tested: LDSQA3D20R359830D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359830D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

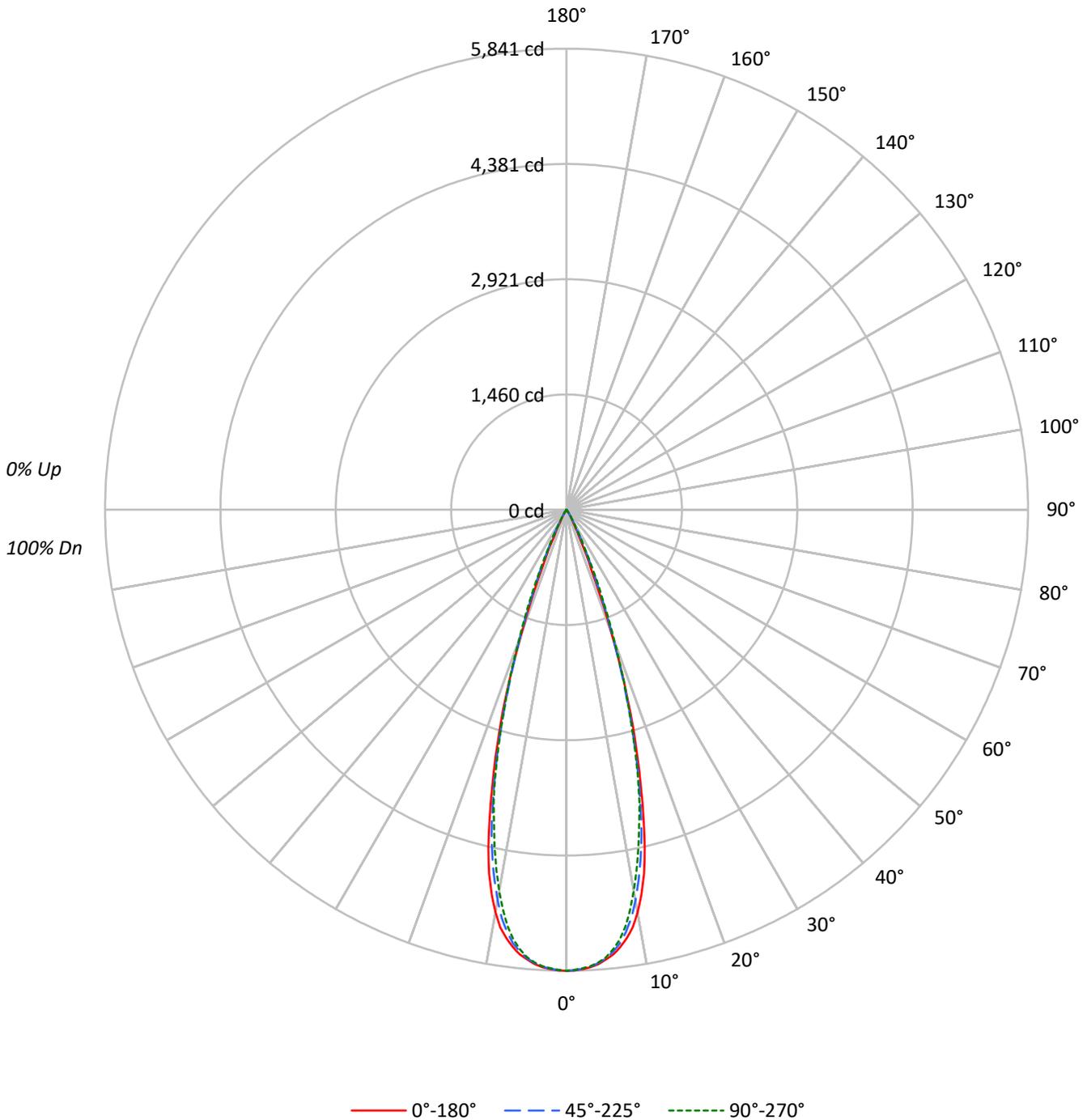
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1773.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
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	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	91	90	89
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	88	87	86
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	79	78
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	76	75
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	74	73
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1006021	1006021	1006021
5°	988738	986629	984520
10°	906173	878927	857556
15°	648862	628180	620548
20°	300883	311238	322162
25°	71393	101569	105921
30°	20960	23983	27026
35°	4815	7716	7064
40°	1034	2068	1371
45°	365	365	365
50°	402	0	402
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: 424 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.4	29.6
10°-20°	937.5	52.9
20°-30°	282.1	15.9
30°-40°	27.0	1.5
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°	1744.1	98.4
0°-40°	1771.0	99.9
0°-60°	1773.0	100.0
0°-90°	1773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1773.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5841	5841	5841	5841	5841	
5°	5719	5718	5707	5699	5695	530
15°	3639	3612	3523	3508	3480	961
25°	376	414	534	557	557	242
35°	23	30	37	40	34	21
45°	2	2	2	2	2	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°	5841.4	5841.4	5841.4	5841.4	5841.4
1°	5838.4	5838.4	5835.3	5835.3	5829.2
2°	5824.6	5826.1	5820.0	5818.5	5813.9
3°	5803.2	5798.7	5798.7	5795.6	5792.6
4°	5769.6	5760.5	5757.4	5759.0	5752.8
5°	5719.2	5717.7	5707.0	5699.4	5694.8
6°	5664.3	5653.6	5630.7	5610.8	5606.2
7°	5581.8	5558.9	5539.0	5497.8	5491.7
8°	5481.0	5444.4	5401.6	5343.6	5340.5
9°	5357.3	5297.7	5238.2	5160.3	5132.8
10°	5181.7	5126.7	5025.9	4957.2	4903.7
11°	4963.3	4894.6	4777.0	4694.5	4650.2
12°	4715.9	4651.8	4514.3	4439.5	4376.9
13°	4398.2	4344.8	4216.5	4134.0	4085.2
14°	4030.2	3990.5	3868.3	3831.7	3814.9
15°	3639.2	3611.8	3523.2	3507.9	3480.4
17.5°	2678.7	2632.8	2582.4	2591.6	2600.8
20°	1641.7	1705.8	1698.2	1731.8	1757.8
22.5°	818.6	901.0	997.2	1055.3	1084.3
25°	375.7	413.9	534.5	557.4	557.4
27.5°	189.4	198.5	252.0	256.6	268.8
30°	105.4	113.0	120.6	134.4	135.9
32.5°	53.5	62.6	65.7	73.3	70.2
35°	22.9	30.5	36.7	39.7	33.6
37.5°	10.7	13.7	19.9	18.3	13.7
40°	4.6	6.1	9.2	7.6	6.1
42.5°	3.1	3.1	4.6	3.1	3.1
45°	1.5	1.5	1.5	1.5	1.5
47.5°	1.5	1.5	0.0	1.5	1.5
50°	1.5	0.0	0.0	0.0	1.5
52.5°	1.5	0.0	0.0	0.0	1.5
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)