

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: P1319566

Luminaire Tested: LDSQA3D20R459835D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R459835D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

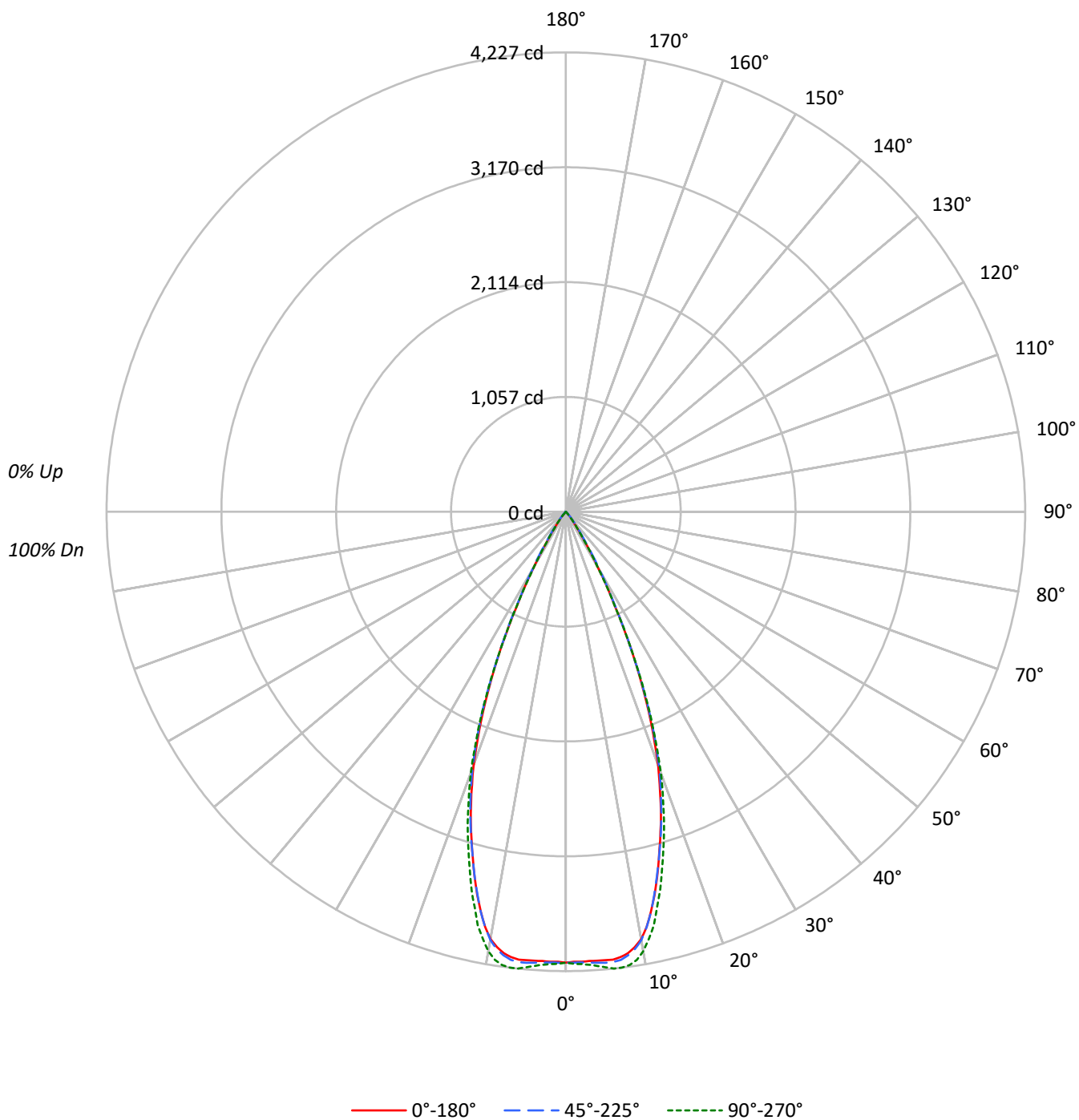
Lumens per Lamp: N/A
Luminaire Lumens: 2145.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (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					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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	714517	714517	714517
5°	716140	720272	727447
10°	698206	699605	718020
15°	589043	589328	608674
20°	454707	461140	468727
25°	282076	282380	284204
30°	116376	123655	114467
35°	36204	44257	34859
40°	11106	15423	10387
45°	779	5821	779
50°	0	857	0
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: 45°

Vertical Angle: 45°

Luminance: 5821 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.9	18.4
10°-20°	918.1	42.8
20°-30°	673.5	31.4
30°-40°	144.7	6.7
40°-50°	13.8	0.6
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°	1986.4	92.6
0°-40°	2131.1	99.4
0°-60°	2145.0	100.0
0°-90°	2145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2145.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4149	4149	4149	4149	4149	
5°	4142	4154	4166	4195	4208	392
15°	3304	3297	3305	3358	3414	910
25°	1484	1480	1486	1486	1496	666
35°	172	185	210	180	166	136
45°	3	10	24	10	3	8
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4148.8	4148.8	4148.8	4148.8	4148.8
1°	4140.8	4150.4	4150.4	4156.8	4160.0
2°	4144.0	4150.4	4148.8	4160.0	4164.7
3°	4139.2	4150.4	4153.6	4166.3	4174.3
4°	4140.8	4150.4	4160.0	4179.1	4190.3
5°	4142.4	4153.6	4166.3	4195.0	4207.8
6°	4144.0	4152.0	4166.3	4203.0	4226.9
7°	4128.1	4139.2	4155.2	4201.4	4226.9
8°	4102.6	4108.9	4121.7	4182.3	4212.6
9°	4054.7	4053.1	4072.3	4139.2	4174.3
10°	3992.5	3973.4	4000.5	4067.5	4105.8
11°	3892.1	3871.4	3895.3	3967.0	4003.7
12°	3761.3	3761.3	3766.1	3829.9	3893.7
13°	3622.6	3606.7	3616.3	3688.0	3732.6
14°	3469.6	3453.6	3463.2	3517.4	3587.6
15°	3303.7	3297.4	3305.3	3357.9	3413.8
17.5°	2909.9	2895.6	2924.3	2976.9	3005.6
20°	2481.0	2504.9	2516.1	2549.6	2557.5
22.5°	1988.3	2013.8	2029.8	2034.5	2039.3
25°	1484.4	1479.7	1486.0	1486.0	1495.6
27.5°	975.8	975.8	993.4	982.2	971.0
30°	585.2	609.1	621.8	601.1	575.6
32.5°	318.9	342.8	363.5	333.2	310.9
35°	172.2	185.0	210.5	180.2	165.8
37.5°	94.1	105.2	121.2	102.0	94.1
40°	49.4	60.6	68.6	60.6	46.2
42.5°	15.9	30.3	39.9	30.3	14.4
45°	3.2	9.6	23.9	9.6	3.2
47.5°	0.0	1.6	11.2	1.6	0.0
50°	0.0	0.0	3.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)