

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: P1319346

Luminaire Tested: LDSQA3D17R209835DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319346
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: LDSQA3D17R209835DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

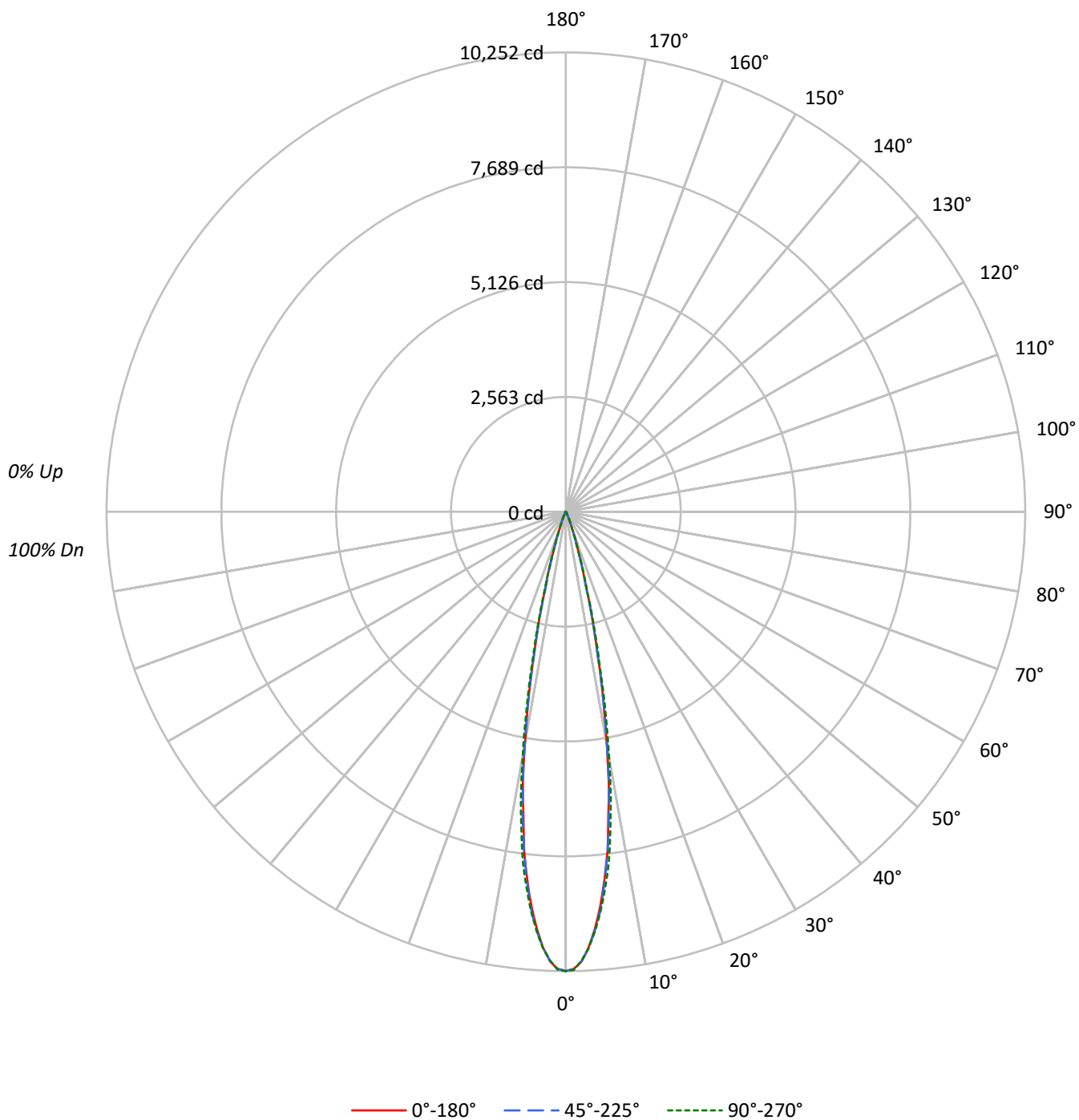
Lumens per Lamp: N/A
Luminaire Lumens: 1377.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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					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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	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	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1765661	1765661	1765661
5°	1525325	1539535	1545258
10°	918222	926809	972924
15°	317602	310167	334879
20°	83409	78460	78699
25°	18186	21910	24951
30°	7815	7815	8054
35°	4394	3869	4121
40°	1933	2203	2473
45°	609	901	901
50°	322	322	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: 22.5°

Vertical Angle: 45°

Luminance: 901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	733.3	53.3
10°-20°	558.3	40.5
20°-30°	69.0	5.0
30°-40°	13.1	0.9
40°-50°	3.1	0.2
50°-60°	0.2	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°	1360.6	98.8
0°-40°	1373.7	99.8
0°-60°	1377.0	100.0
0°-90°	1377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1377.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10252	10252	10252	10252	10252	
5°	8823	8817	8905	8899	8938	728
15°	1781	1718	1740	1844	1878	558
25°	96	109	115	120	131	66
35°	21	21	18	20	20	13
45°	2	4	4	4	4	3
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°	10252.2	10252.2	10252.2	10252.2	10252.2
1°	10204.3	10192.1	10201.9	10181.0	10224.0
2°	10041.2	10028.9	10028.9	10016.6	10022.8
3°	9736.9	9756.6	9744.3	9718.5	9751.6
4°	9322.3	9344.4	9364.0	9365.2	9370.1
5°	8823.0	8816.8	8905.2	8899.0	8938.3
6°	8253.8	8246.4	8284.4	8348.2	8426.7
7°	7628.1	7538.5	7640.4	7769.2	7874.7
8°	6818.4	6841.7	6911.7	7063.8	7148.4
9°	6131.4	5995.3	6143.7	6325.3	6417.3
10°	5250.6	5140.2	5299.7	5491.1	5563.4
12.5°	3304.9	3209.2	3260.8	3462.0	3493.9
15°	1781.3	1717.5	1739.6	1843.8	1878.2
17.5°	909.0	851.4	839.1	905.4	912.7
20°	455.1	441.6	428.1	434.3	429.4
22.5°	211.0	229.4	227.0	214.7	229.4
25°	95.7	109.2	115.3	120.2	131.3
27.5°	58.9	56.4	65.0	69.9	71.2
30°	39.3	38.0	39.3	40.5	40.5
32.5°	28.2	27.0	25.8	25.8	27.0
35°	20.9	20.9	18.4	19.6	19.6
37.5°	14.7	14.7	13.5	14.7	14.7
40°	8.6	9.8	9.8	9.8	11.0
42.5°	4.9	6.1	6.1	6.1	6.1
45°	2.5	3.7	3.7	3.7	3.7
47.5°	1.2	1.2	1.2	2.5	2.5
50°	1.2	1.2	1.2	1.2	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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)