

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: P1311736

Luminaire Tested: LDSQA3D20R159040D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159040D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

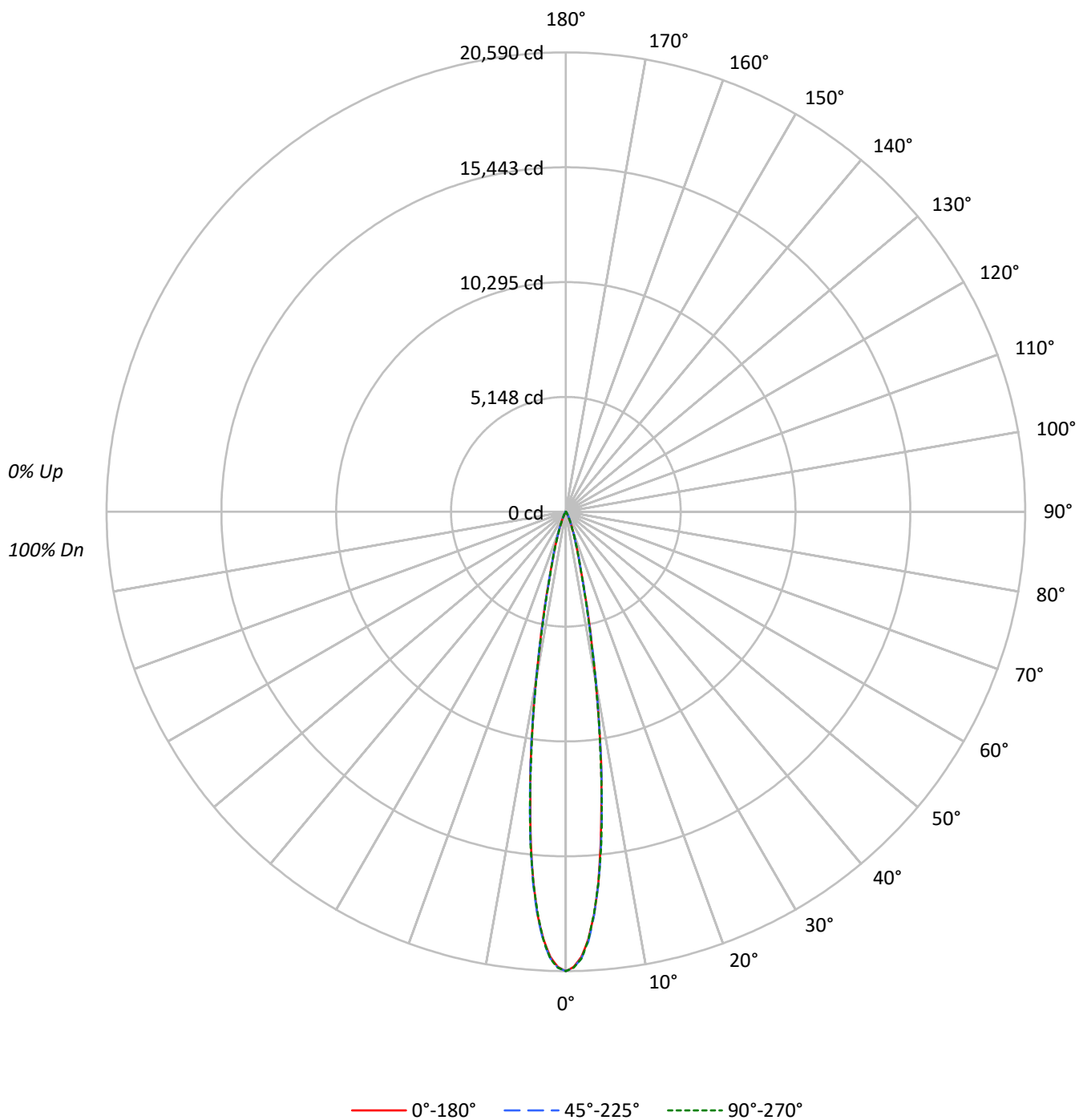
Lumens per Lamp: N/A
Luminaire Lumens: 2298.0 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3546064	3546064	3546064
5°	2887156	2896578	2890925
10°	1346799	1358866	1341710
15°	422923	426489	423886
20°	167569	174222	162235
25°	67706	81863	65274
30°	27105	37228	25674
35°	8031	16441	7653
40°	2451	6138	2046
45°	438	1340	438
50°	0	482	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: 1340 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1289.1	56.1
10°-20°	771.0	33.6
20°-30°	194.4	8.5
30°-40°	39.7	1.7
40°-50°	3.7	0.2
50°-60°	0.0	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°	2254.6	98.1
0°-40°	2294.3	99.8
0°-60°	2298.0	100.0
0°-90°	2298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2298.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20590	20590	20590	20590	20590	
5°	16700	16669	16755	16713	16722	1285
15°	2372	2392	2392	2358	2377	771
25°	356	389	431	382	344	183
35°	38	51	78	49	36	32
45°	2	4	6	4	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°	20590.0	20590.0	20590.0	20590.0	20590.0
1°	20404.6	20473.7	20437.3	20466.4	20433.7
2°	19962.9	20055.6	20026.5	20017.4	20042.9
3°	19185.0	19292.2	19288.6	19261.3	19217.7
4°	18123.5	18079.9	18147.1	18139.8	18065.3
5°	16700.3	16669.4	16754.8	16713.0	16722.1
6°	14959.0	15093.5	15064.4	15068.1	15102.6
7°	13088.7	13161.4	13223.2	13274.1	13203.2
8°	11371.0	11352.9	11358.3	11416.5	11220.2
9°	9448.0	9560.7	9488.0	9371.6	9446.2
10°	7701.3	7770.3	7770.3	7668.5	7672.2
11°	6139.9	6196.3	6156.3	6181.7	6021.8
12°	4949.4	4809.4	4776.7	4802.2	4800.3
13°	3778.8	3787.9	3778.8	3777.0	3758.8
14°	2962.7	3010.0	2990.0	2940.9	2919.1
15°	2372.0	2392.0	2392.0	2357.5	2377.4
17.5°	1425.0	1448.6	1454.1	1430.5	1430.5
20°	914.3	925.2	950.6	916.1	885.2
22.5°	563.5	587.1	630.7	579.8	554.4
25°	356.3	389.0	430.8	381.7	343.5
27.5°	223.6	250.8	287.2	239.9	216.3
30°	136.3	154.5	187.2	150.9	129.1
32.5°	76.3	90.9	118.1	87.2	72.7
35°	38.2	50.9	78.2	49.1	36.4
37.5°	21.8	27.3	49.1	23.6	20.0
40°	10.9	14.5	27.3	14.5	9.1
42.5°	3.6	7.3	10.9	7.3	3.6
45°	1.8	3.6	5.5	3.6	1.8
47.5°	0.0	0.0	1.8	0.0	0.0
50°	0.0	0.0	1.8	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)