

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: P1307410

Luminaire Tested: LDSQA3D20R159024D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307410
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: LDSQA3D20R159024D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

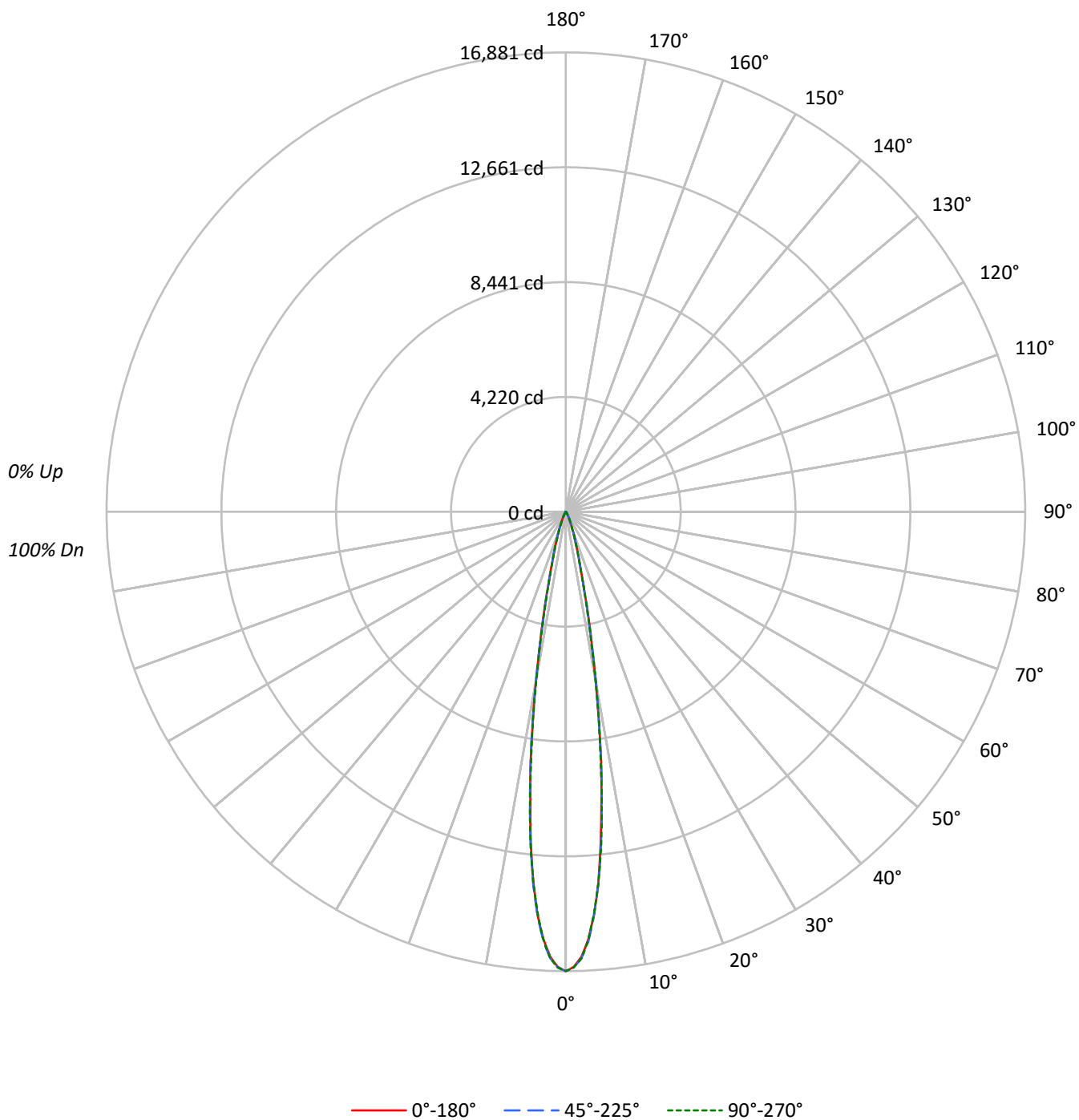
Lumens per Lamp: N/A
Luminaire Lumens: 1884.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	2907222	2907222	2907222
5°	2367011	2374738	2370105
10°	1104154	1114052	1099992
15°	346736	349660	347521
20°	137383	142845	133003
25°	55507	67117	53512
30°	22233	30526	21040
35°	6581	13477	6265
40°	2001	5036	1686
45°	365	1096	365
50°	0	402	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: 1096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1056.9	56.1
10°-20°	632.1	33.6
20°-30°	159.4	8.5
30°-40°	32.5	1.7
40°-50°	3.0	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°	1848.4	98.1
0°-40°	1880.9	99.8
0°-60°	1884.0	100.0
0°-90°	1884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1884.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16881	16881	16881	16881	16881	
5°	13692	13666	13736	13702	13710	1054
15°	1945	1961	1961	1933	1949	632
25°	292	319	353	313	282	150
35°	31	42	64	40	30	26
45°	2	3	4	3	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16880.6	16880.6	16880.6	16880.6	16880.6
1°	16728.6	16785.2	16755.4	16779.2	16752.4
2°	16366.5	16442.5	16418.6	16411.2	16432.0
3°	15728.7	15816.6	15813.6	15791.3	15755.5
4°	14858.4	14822.7	14877.8	14871.8	14810.7
5°	13691.6	13666.3	13736.3	13702.1	13709.5
6°	12264.0	12374.3	12350.5	12353.5	12381.8
7°	10730.7	10790.3	10840.9	10882.7	10824.5
8°	9322.5	9307.6	9312.0	9359.7	9198.8
9°	7745.9	7838.3	7778.7	7683.3	7744.4
10°	6313.8	6370.4	6370.4	6287.0	6290.0
11°	5033.8	5080.0	5047.2	5068.0	4936.9
12°	4057.7	3943.0	3916.1	3937.0	3935.5
13°	3098.0	3105.5	3098.0	3096.6	3081.7
14°	2429.0	2467.7	2451.3	2411.1	2393.2
15°	1944.7	1961.1	1961.1	1932.7	1949.1
17.5°	1168.3	1187.7	1192.1	1172.8	1172.8
20°	749.6	758.5	779.4	751.0	725.7
22.5°	462.0	481.3	517.1	475.4	454.5
25°	292.1	318.9	353.2	312.9	281.6
27.5°	183.3	205.6	235.4	196.7	177.3
30°	111.8	126.7	153.5	123.7	105.8
32.5°	62.6	74.5	96.9	71.5	59.6
35°	31.3	41.7	64.1	40.2	29.8
37.5°	17.9	22.4	40.2	19.4	16.4
40°	8.9	11.9	22.4	11.9	7.5
42.5°	3.0	6.0	8.9	6.0	3.0
45°	1.5	3.0	4.5	3.0	1.5
47.5°	0.0	0.0	1.5	0.0	0.0
50°	0.0	0.0	1.5	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)