

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: P1309501

Luminaire Tested: LDSQA3D20R159030D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159030D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

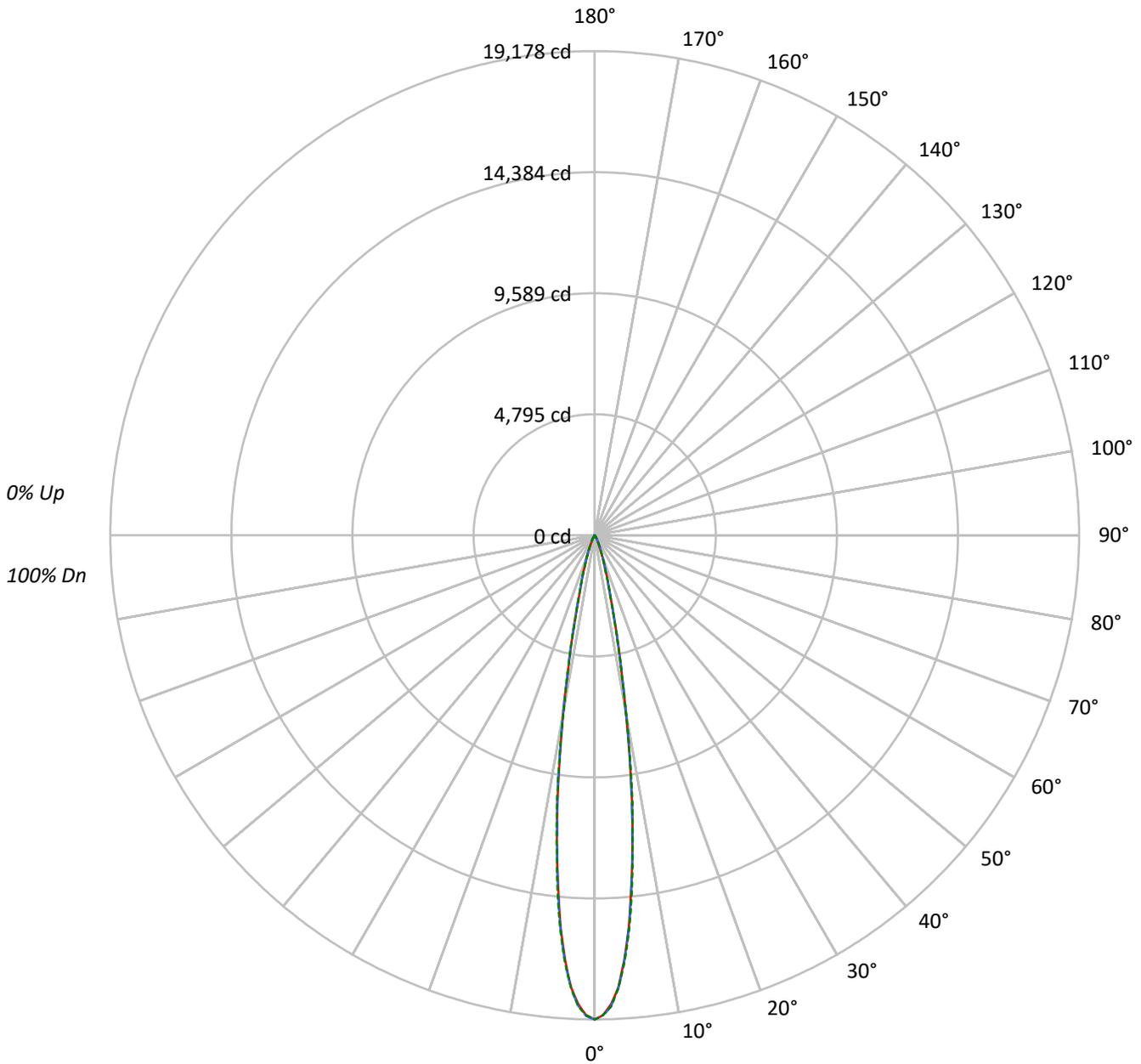
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2153.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 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 (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



— 0°-180° - - 45°-225° ···· 90°-270°



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3302955	3302955	3302955
5°	2685768	2695121	2704473
10°	1250808	1251979	1245194
15°	387014	400867	393343
20°	154300	162969	152430
25°	64571	76125	61360
30°	26230	34961	24202
35°	8536	16000	7821
40°	3035	6452	3035
45°	1242	2070	1242
50°	911	1366	911
55°	1021	1021	1021
60°	1171	1171	1171
65°	693	693	693
70°	856	856	856
75°	1131	1131	1131
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2070 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1200.4	55.8
10°-20°	717.8	33.3
20°-30°	182.7	8.5
30°-40°	39.7	1.8
40°-50°	6.4	0.3
50°-60°	3.1	0.1
60°-70°	1.9	0.1
70°-80°	1.1	0.1
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°	2100.9	97.6
0°-40°	2140.5	99.4
0°-60°	2150.0	99.9
0°-90°	2153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2153.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19178	19178	19178	19178	19178	
5°	15535	15557	15590	15518	15644	1198
15°	2171	2231	2248	2216	2206	714
25°	340	364	401	355	323	173
35°	41	52	76	51	37	32
45°	5	7	8	7	5	5
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
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°	19178.4	19178.4	19178.4	19178.4	19178.4
1°	19011.0	19043.2	19048.2	19043.2	19016.1
2°	18583.3	18678.0	18657.7	18617.2	18674.6
3°	17922.4	17969.7	17962.9	17966.3	17952.8
4°	16847.2	16930.1	16882.7	16918.2	16921.6
5°	15535.4	15557.4	15589.5	15518.5	15643.6
6°	13921.0	14061.3	13937.9	14059.6	14108.7
7°	12279.6	12360.7	12203.5	12288.0	12338.7
8°	10600.9	10458.9	10545.2	10546.8	10714.2
9°	8788.8	8817.5	8890.2	8807.4	8880.0
10°	7152.4	7218.3	7159.1	7130.4	7120.3
11°	5647.9	5722.2	5717.2	5725.6	5669.8
12°	4544.0	4505.1	4530.5	4447.6	4484.8
13°	3536.5	3538.2	3517.9	3484.1	3453.6
14°	2770.7	2753.8	2801.1	2758.8	2720.0
15°	2170.6	2231.4	2248.3	2216.2	2206.1
17.5°	1338.9	1340.5	1364.2	1333.8	1330.4
20°	841.9	862.1	889.2	857.1	831.7
22.5°	532.5	551.1	593.4	552.8	517.3
25°	339.8	363.5	400.6	355.0	322.9
27.5°	213.0	235.0	270.5	228.2	204.5
30°	131.9	147.1	175.8	143.7	121.7
32.5°	76.1	91.3	115.0	86.2	72.7
35°	40.6	52.4	76.1	50.7	37.2
37.5°	23.7	30.4	49.0	27.0	22.0
40°	13.5	18.6	28.7	16.9	13.5
42.5°	8.5	11.8	13.5	10.1	6.8
45°	5.1	6.8	8.5	6.8	5.1
47.5°	3.4	5.1	6.8	3.4	3.4
50°	3.4	3.4	5.1	3.4	3.4
52.5°	3.4	3.4	3.4	3.4	3.4
55°	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	3.4
60°	3.4	3.4	3.4	3.4	3.4
62.5°	1.7	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
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)