

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: P1319928

Luminaire Tested: LDSQA3D09R209840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

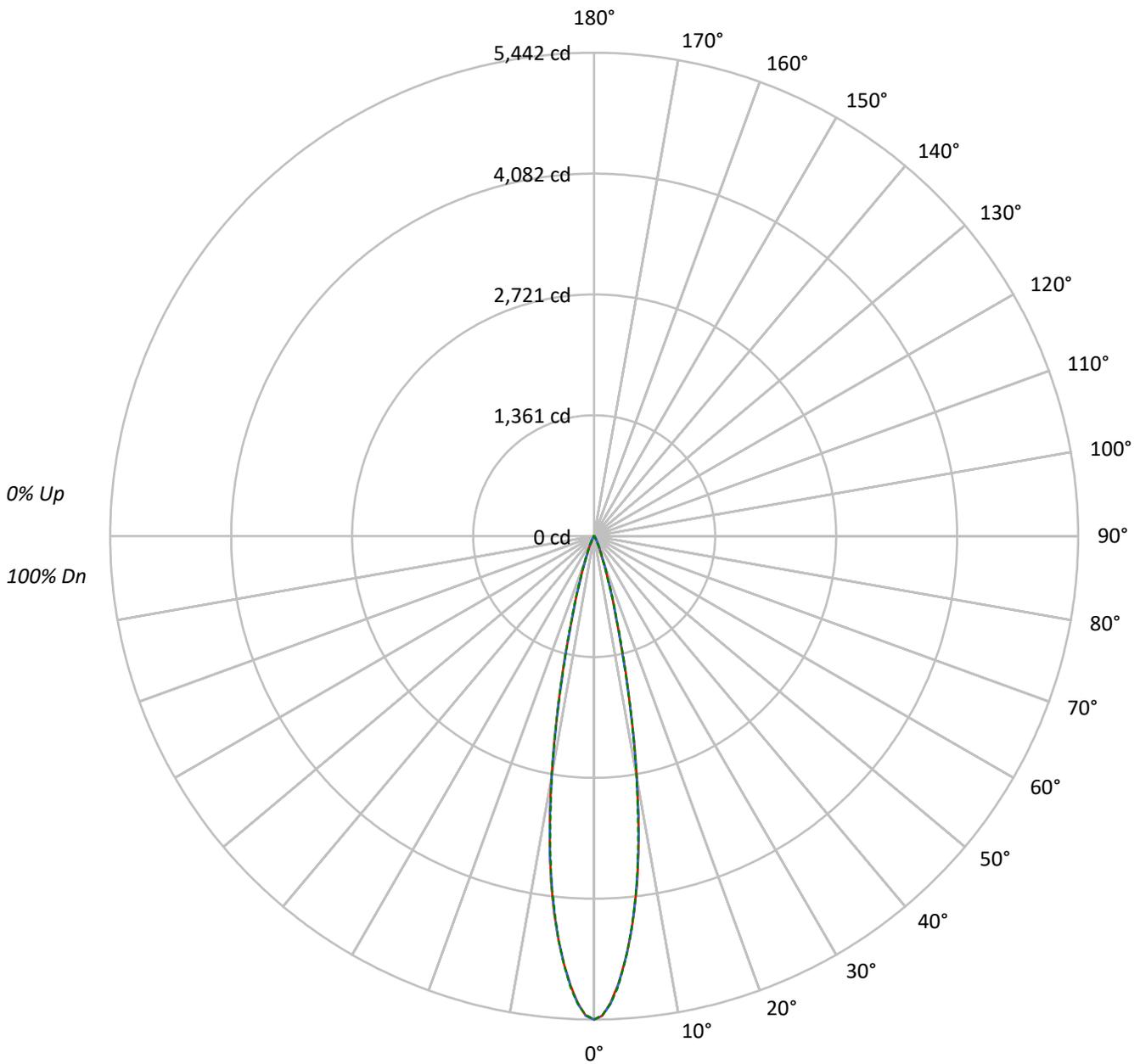
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 750.1 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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
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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	98	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	937305	937305	937305
5°	790012	790306	789908
10°	481408	479187	480306
15°	169579	170292	175570
20°	53278	54763	53608
25°	19953	21834	20504
30°	7736	10957	8074
35°	2922	4878	3175
40°	1574	2091	1574
45°	560	999	706
50°	322	455	322
55°	360	360	360
60°	207	207	207
65°	245	245	245
70°	302	302	302
75°	0	0	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 999 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.8	50.4
10°-20°	296.2	39.5
20°-30°	58.2	7.8
30°-40°	13.1	1.7
40°-50°	3.0	0.4
50°-60°	1.0	0.1
60°-70°	0.6	0.1
70°-80°	0.3	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°	732.2	97.6
0°-40°	745.3	99.4
0°-60°	749.2	99.9
0°-90°	750.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	750.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5442	5442	5442	5442	5442	
5°	4570	4574	4571	4587	4569	379
15°	951	955	955	976	985	296
25°	105	112	115	113	108	55
35°	14	17	23	17	15	10
45°	2	4	4	4	3	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	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°	5442.4	5442.4	5442.4	5442.4	5442.4
1°	5398.3	5386.7	5400.1	5389.6	5392.0
2°	5258.5	5252.1	5269.5	5258.5	5264.3
3°	5064.1	5056.0	5068.7	5069.3	5085.6
4°	4832.0	4816.3	4835.5	4836.0	4838.9
5°	4569.7	4573.8	4571.4	4587.1	4569.1
6°	4274.9	4288.3	4270.9	4279.6	4254.6
7°	3945.3	3928.5	3919.8	3922.7	3940.1
8°	3581.5	3569.9	3582.6	3564.7	3552.5
9°	3177.0	3156.7	3170.6	3153.2	3135.8
10°	2752.8	2743.6	2740.1	2720.3	2746.5
11°	2327.5	2299.6	2313.6	2303.7	2332.1
12°	1929.4	1931.7	1904.5	1913.2	1916.7
13°	1570.2	1533.1	1537.7	1561.5	1565.6
14°	1218.0	1223.2	1225.0	1241.8	1251.7
15°	951.1	955.1	955.1	976.0	984.7
17.5°	510.1	510.1	521.1	523.4	524.6
20°	290.7	292.5	298.8	298.3	292.5
22.5°	174.1	177.6	181.0	177.6	174.1
25°	105.0	112.0	114.9	113.2	107.9
27.5°	62.7	70.2	78.3	72.0	62.1
30°	38.9	42.9	55.1	44.1	40.6
32.5°	21.5	27.9	37.7	29.0	22.1
35°	13.9	16.8	23.2	16.8	15.1
37.5°	9.9	11.6	14.5	12.2	10.4
40°	7.0	8.1	9.3	8.7	7.0
42.5°	4.6	5.8	6.4	5.8	4.6
45°	2.3	3.5	4.1	3.5	2.9
47.5°	1.2	1.7	2.9	1.7	1.2
50°	1.2	1.2	1.7	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	0.6	1.2	0.6
60°	0.6	0.6	0.6	0.6	0.6
62.5°	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.6
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)