

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: P1315262

Luminaire Tested: LDSQA3D05R209735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315262
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: LDSQA3D05R209735DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

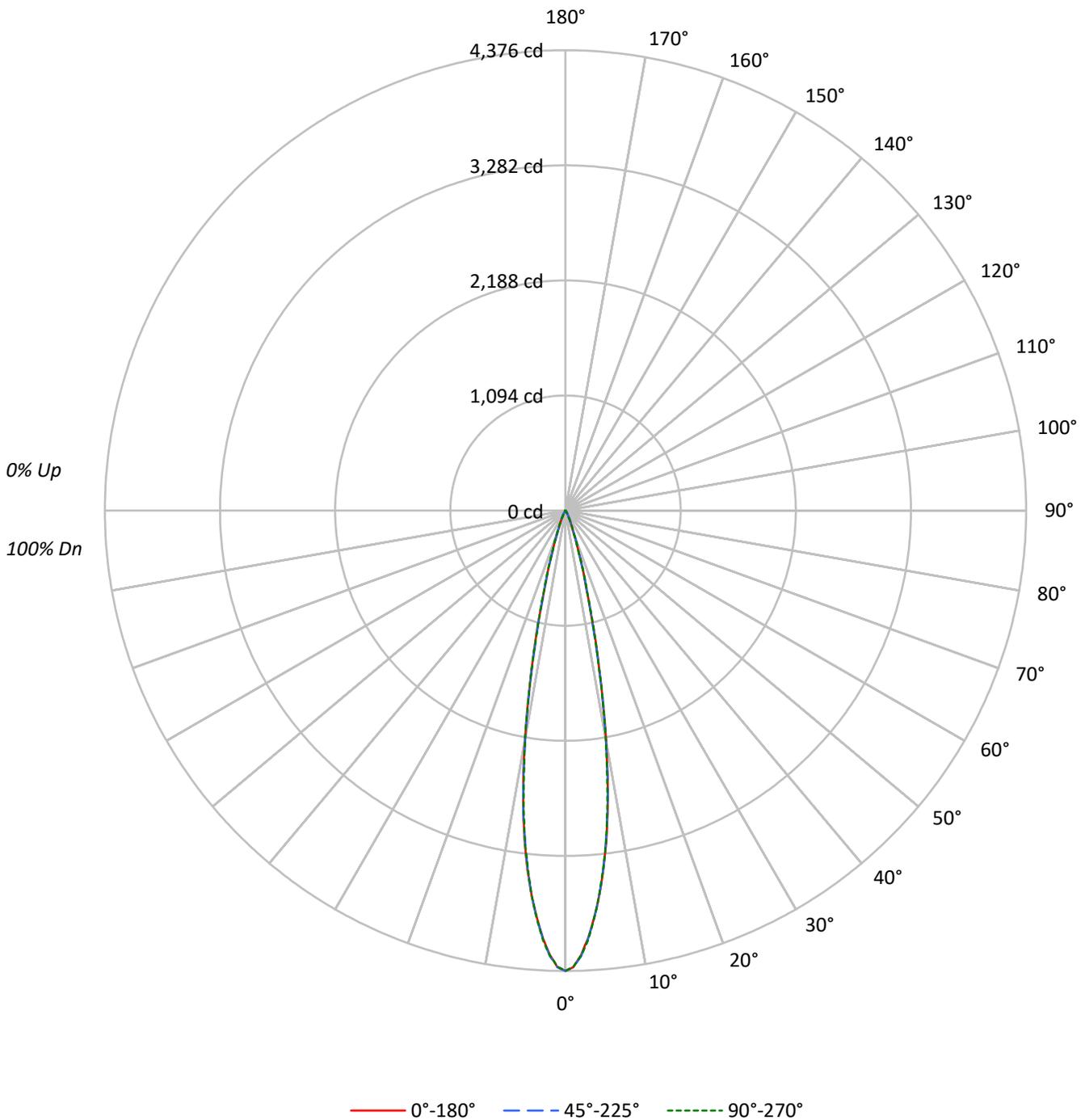
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 603.0 lumens
Efficiency: N/A
Efficacy: 83.8 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): 7.2
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





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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	100	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	96	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°	753595	753595	753595
5°	635163	635405	635094
10°	387061	385259	386169
15°	136344	136915	141159
20°	42831	44041	43088
25°	16038	17558	16494
30°	6224	8810	6503
35°	2355	3932	2544
40°	1259	1686	1259
45°	463	804	560
50°	241	375	241
55°	270	270	270
60°	172	172	172
65°	204	204	204
70°	252	252	252
75°	0	0	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 804 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.8	50.4
10°-20°	238.2	39.5
20°-30°	46.8	7.8
30°-40°	10.5	1.7
40°-50°	2.4	0.4
50°-60°	0.7	0.1
60°-70°	0.5	0.1
70°-80°	0.2	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°	588.7	97.6
0°-40°	599.2	99.4
0°-60°	602.3	99.9
0°-90°	603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4376	4376	4376	4376	4376	
5°	3674	3677	3675	3688	3674	304
15°	765	768	768	785	792	238
25°	84	90	92	91	87	45
35°	11	14	19	14	12	8
45°	2	3	3	3	2	2
55°	1	1	1	1	1	1
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°	4375.7	4375.7	4375.7	4375.7	4375.7
1°	4340.3	4330.9	4341.7	4333.3	4335.1
2°	4227.8	4222.7	4236.7	4227.8	4232.5
3°	4071.5	4065.0	4075.3	4075.7	4088.8
4°	3884.9	3872.3	3887.7	3888.2	3890.5
5°	3674.0	3677.3	3675.4	3688.0	3673.6
6°	3437.0	3447.8	3433.8	3440.8	3420.7
7°	3172.0	3158.5	3151.5	3153.8	3167.8
8°	2879.5	2870.2	2880.4	2866.0	2856.2
9°	2554.3	2538.0	2549.2	2535.2	2521.2
10°	2213.3	2205.8	2203.0	2187.2	2208.2
11°	1871.3	1848.9	1860.1	1852.2	1875.0
12°	1551.3	1553.1	1531.2	1538.2	1541.0
13°	1262.5	1232.6	1236.3	1255.5	1258.7
14°	979.3	983.5	984.9	998.4	1006.3
15°	764.7	767.9	767.9	784.7	791.7
17.5°	410.1	410.1	419.0	420.8	421.8
20°	233.7	235.1	240.3	239.8	235.1
22.5°	140.0	142.8	145.6	142.8	140.0
25°	84.4	90.0	92.4	91.0	86.8
27.5°	50.4	56.5	63.0	57.9	49.9
30°	31.3	34.5	44.3	35.5	32.7
32.5°	17.3	22.4	30.3	23.3	17.7
35°	11.2	13.5	18.7	13.5	12.1
37.5°	7.9	9.3	11.7	9.8	8.4
40°	5.6	6.5	7.5	7.0	5.6
42.5°	3.7	4.7	5.1	4.7	3.7
45°	1.9	2.8	3.3	2.8	2.3
47.5°	0.9	1.4	2.3	1.4	0.9
50°	0.9	0.9	1.4	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.5	0.9	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.5
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)