

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: P1316234

Luminaire Tested: LDSQA3D05R209740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316234
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: LDSQA3D05R209740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

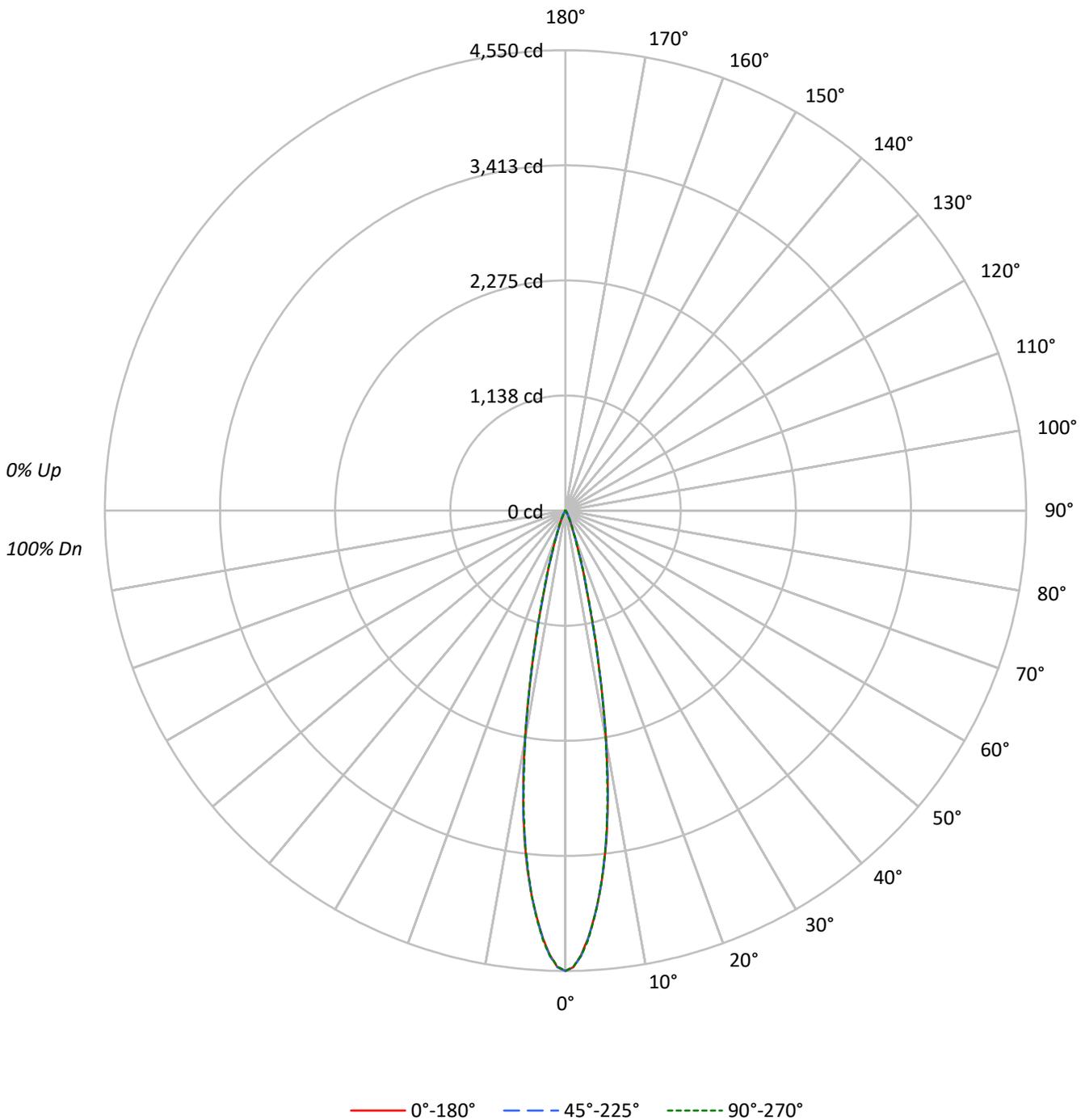
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 627.1 lumens
Efficiency: N/A
Efficacy: 87.1 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 (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		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	99	98	97
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85
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	82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	783596	783596	783596
5°	660455	660697	660369
10°	402468	400596	401523
15°	141765	142371	146775
20°	44536	45782	44811
25°	16684	18262	17140
30°	6463	9168	6761
35°	2439	4079	2649
40°	1304	1754	1304
45°	463	828	585
50°	268	402	268
55°	300	300	300
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: 828 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.8	50.4
10°-20°	247.7	39.5
20°-30°	48.6	7.8
30°-40°	10.9	1.7
40°-50°	2.5	0.4
50°-60°	0.8	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°	612.1	97.6
0°-40°	623.0	99.4
0°-60°	626.3	99.9
0°-90°	627.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	627.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4550	4550	4550	4550	4550	
5°	3820	3824	3822	3835	3820	316
15°	795	798	798	816	823	247
25°	88	94	96	95	90	46
35°	12	14	19	14	13	9
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°	4549.9	4549.9	4549.9	4549.9	4549.9
1°	4513.0	4503.3	4514.5	4505.7	4507.7
2°	4396.1	4390.8	4405.3	4396.1	4400.9
3°	4233.6	4226.8	4237.5	4238.0	4251.5
4°	4039.5	4026.4	4042.4	4042.9	4045.4
5°	3820.3	3823.7	3821.7	3834.8	3819.8
6°	3573.8	3585.0	3570.4	3577.7	3556.9
7°	3298.3	3284.2	3276.9	3279.4	3293.9
8°	2994.1	2984.4	2995.1	2980.1	2969.9
9°	2656.0	2639.0	2650.7	2636.1	2621.6
10°	2301.4	2293.6	2290.7	2274.2	2296.0
11°	1945.8	1922.5	1934.1	1925.9	1949.7
12°	1613.0	1614.9	1592.1	1599.4	1602.3
13°	1312.7	1281.7	1285.6	1305.4	1308.8
14°	1018.3	1022.6	1024.1	1038.1	1046.4
15°	795.1	798.5	798.5	816.0	823.2
17.5°	426.4	426.4	435.6	437.6	438.5
20°	243.0	244.5	249.8	249.3	244.5
22.5°	145.5	148.4	151.4	148.4	145.5
25°	87.8	93.6	96.1	94.6	90.2
27.5°	52.4	58.7	65.5	60.2	51.9
30°	32.5	35.9	46.1	36.9	34.0
32.5°	17.9	23.3	31.5	24.3	18.4
35°	11.6	14.1	19.4	14.1	12.6
37.5°	8.2	9.7	12.1	10.2	8.7
40°	5.8	6.8	7.8	7.3	5.8
42.5°	3.9	4.9	5.3	4.9	3.9
45°	1.9	2.9	3.4	2.9	2.4
47.5°	1.0	1.5	2.4	1.5	1.0
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	0.5	1.0	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)