

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: P1307502

Luminaire Tested: LDSQA3D20R459024D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R459024D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

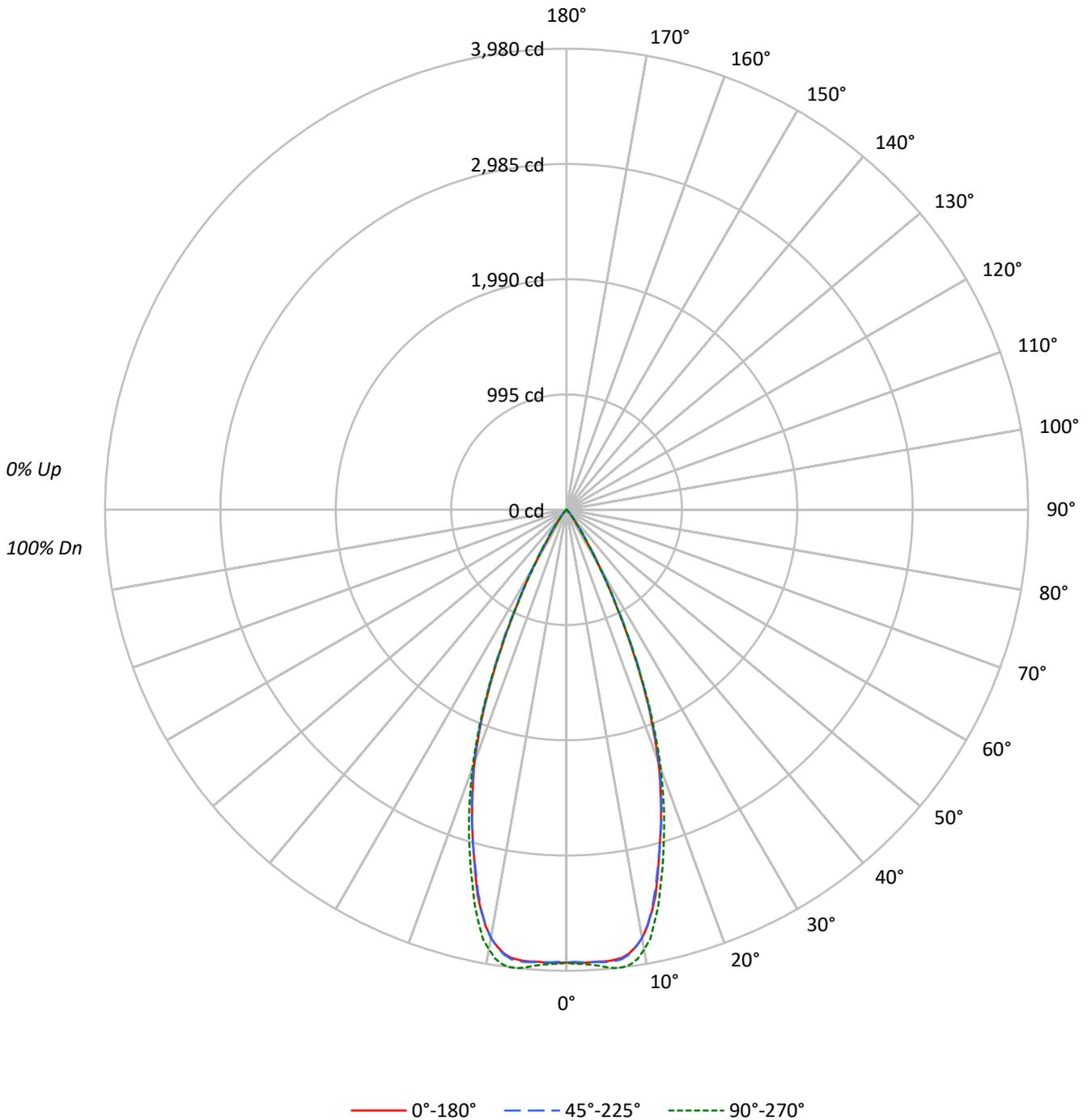
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2023.0 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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





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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	673167	673167	673167
5°	676516	677795	685540
10°	656428	655903	674160
15°	550138	549871	570090
20°	425291	429653	435664
25°	260717	266094	261287
30°	111802	116853	108243
35°	35111	42322	34186
40°	12073	15423	11736
45°	2168	6527	1827
50°	1206	2385	1206
55°	1351	1351	1351
60°	1033	1033	1033
65°	1223	1223	1223
70°	755	755	755
75°	998	998	998
80°	1488	1488	1488
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6527 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.5	18.4
10°-20°	858.4	42.4
20°-30°	628.5	31.1
30°-40°	138.8	6.9
40°-50°	17.0	0.8
50°-60°	4.0	0.2
60°-70°	2.9	0.1
70°-80°	1.6	0.1
80°-90°	0.2	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°	1858.4	91.9
0°-40°	1997.3	98.7
0°-60°	2018.3	99.8
0°-90°	2023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2023.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3909	3909	3909	3909	3909	
5°	3913	3910	3921	3949	3965	370
15°	3086	3069	3084	3159	3197	851
25°	1372	1370	1400	1390	1375	621
35°	167	176	201	176	163	132
45°	9	15	27	15	8	12
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	3908.7	3908.7	3908.7	3908.7	3908.7
1°	3911.7	3905.7	3904.2	3914.7	3922.1
2°	3914.7	3907.2	3908.7	3919.2	3923.6
3°	3911.7	3904.2	3911.7	3926.6	3932.6
4°	3910.2	3907.2	3914.7	3935.6	3946.0
5°	3913.2	3910.2	3920.6	3949.0	3965.4
6°	3908.7	3904.2	3919.2	3954.9	3978.8
7°	3898.3	3893.8	3910.2	3953.5	3980.3
8°	3869.9	3861.0	3877.4	3931.1	3963.9
9°	3819.2	3807.3	3823.7	3886.3	3925.1
10°	3753.6	3740.2	3750.6	3811.8	3855.0
11°	3659.7	3641.8	3653.7	3719.3	3776.0
12°	3540.4	3515.0	3529.9	3604.5	3644.8
13°	3410.6	3386.8	3389.7	3456.8	3513.5
14°	3249.6	3218.2	3231.7	3301.8	3346.5
15°	3085.5	3069.1	3084.0	3158.6	3197.4
17.5°	2709.7	2708.2	2721.6	2776.8	2797.7
20°	2320.5	2324.9	2344.3	2374.2	2377.1
22.5°	1859.7	1861.1	1882.0	1902.9	1898.4
25°	1372.0	1370.5	1400.3	1389.9	1375.0
27.5°	909.7	915.7	942.5	923.1	908.2
30°	562.2	574.2	587.6	563.7	544.3
32.5°	304.2	323.6	343.0	322.1	302.7
35°	167.0	176.0	201.3	176.0	162.6
37.5°	96.9	101.4	117.8	101.4	92.5
40°	53.7	61.1	68.6	61.1	52.2
42.5°	22.4	34.3	41.8	34.3	22.4
45°	8.9	14.9	26.8	14.9	7.5
47.5°	4.5	6.0	16.4	6.0	4.5
50°	4.5	4.5	8.9	4.5	4.5
52.5°	4.5	4.5	4.5	4.5	4.5
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.5	4.5	4.5	4.5	4.5
60°	3.0	3.0	3.0	4.5	3.0
62.5°	3.0	3.0	3.0	3.0	3.0
65°	3.0	3.0	3.0	3.0	3.0
67.5°	3.0	3.0	3.0	3.0	3.0
70°	1.5	1.5	1.5	3.0	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
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)