

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: P1311931

Luminaire Tested: LDSQA3D24R309040D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R309040D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

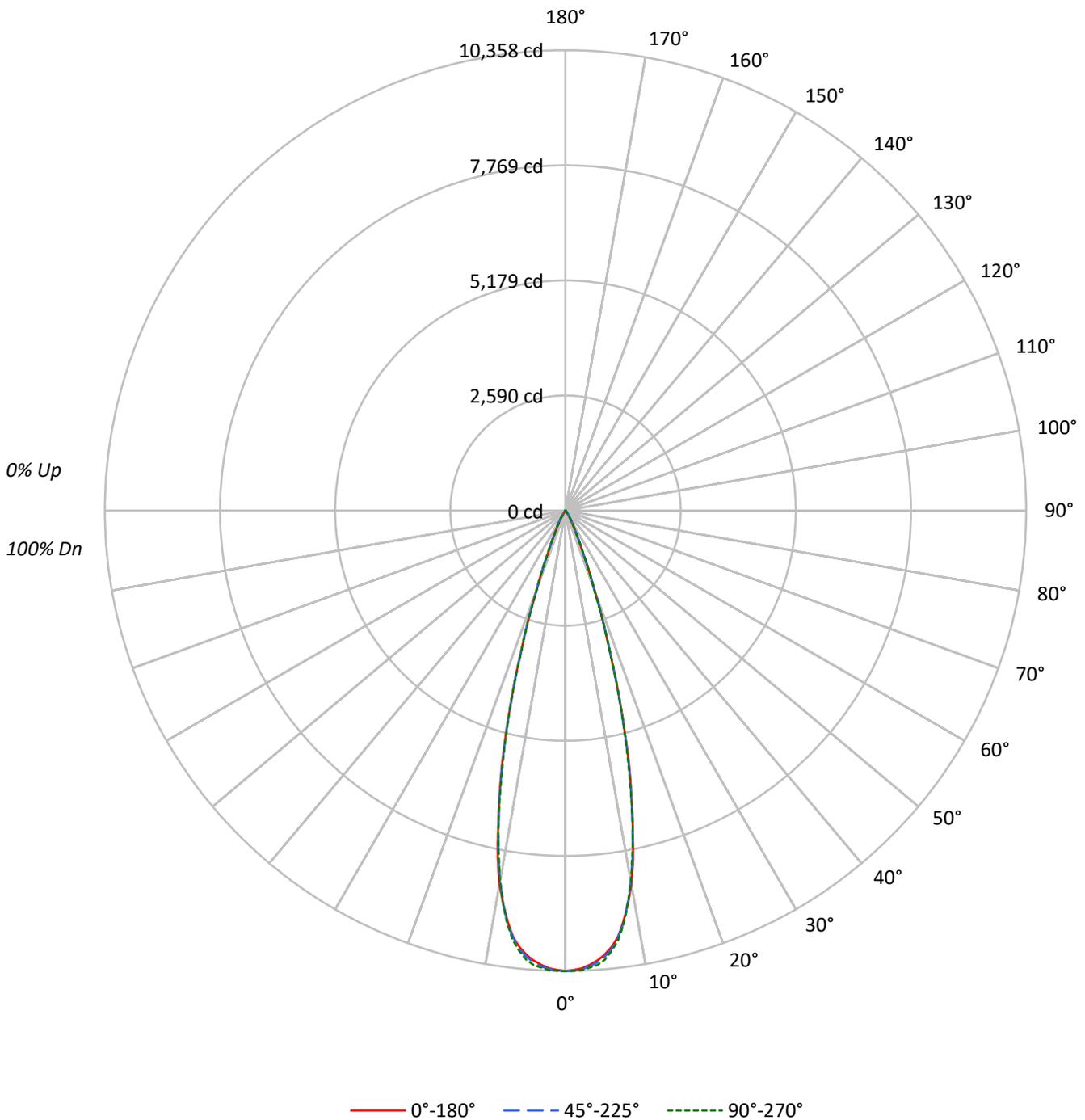
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2694.1 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1783951	1783951	1783951
5°	1735081	1742618	1753389
10°	1491984	1479270	1480722
15°	916773	909355	910104
20°	348902	349671	343202
25°	110976	116904	111375
30°	44645	55384	45878
35°	14423	24473	14423
40°	6542	10746	6542
45°	2533	4555	2533
50°	1125	2224	1125
55°	1261	1261	1261
60°	1447	1447	1447
65°	856	856	856
70°	1057	1057	1057
75°	1397	1397	1397
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4555 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	913.7	33.9
10°-20°	1355.5	50.3
20°-30°	336.8	12.5
30°-40°	67.2	2.5
40°-50°	12.2	0.5
50°-60°	3.9	0.1
60°-70°	2.8	0.1
70°-80°	1.9	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°	2605.9	96.7
0°-40°	2673.2	99.2
0°-60°	2689.3	99.8
0°-90°	2694.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2694.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10358	10358	10358	10358	10358	
5°	10036	10070	10080	10094	10142	912
15°	5142	5152	5100	5117	5104	1361
25°	584	596	615	607	586	327
35°	69	89	116	87	69	56
45°	10	12	19	14	10	9
55°	4	4	4	4	4	4
65°	2	2	2	2	2	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°	10358.4	10358.4	10358.4	10358.4	10358.4
1°	10335.5	10348.0	10356.3	10356.3	10356.3
2°	10306.4	10314.7	10327.2	10329.3	10345.9
3°	10237.8	10256.6	10277.3	10289.8	10298.1
4°	10154.7	10179.7	10192.1	10223.3	10250.3
5°	10036.3	10069.5	10079.9	10094.4	10142.2
6°	9876.2	9901.2	9921.9	9928.2	9957.3
7°	9664.2	9676.7	9672.5	9682.9	9734.9
8°	9342.1	9346.2	9381.6	9358.7	9394.0
9°	8959.7	8943.1	8934.7	8951.4	8953.4
10°	8531.5	8475.4	8458.8	8444.3	8467.1
11°	7976.6	7903.9	7910.1	7906.0	7872.7
12°	7286.6	7278.3	7224.3	7234.7	7284.5
13°	6582.1	6596.6	6586.2	6598.7	6542.6
14°	5921.2	5850.5	5869.2	5798.5	5825.6
15°	5141.8	5152.2	5100.2	5116.8	5104.4
17.5°	3292.1	3314.9	3298.3	3283.8	3306.6
20°	1903.7	1901.7	1907.9	1889.2	1872.6
22.5°	1001.8	1016.3	1035.0	1037.1	1049.6
25°	584.0	596.5	615.2	606.9	586.1
27.5°	357.5	380.3	409.4	388.6	363.7
30°	224.5	243.2	278.5	245.2	230.7
32.5°	126.8	153.8	182.9	153.8	126.8
35°	68.6	89.4	116.4	87.3	68.6
37.5°	45.7	52.0	76.9	52.0	45.7
40°	29.1	35.3	47.8	35.3	29.1
42.5°	16.6	22.9	27.0	22.9	16.6
45°	10.4	12.5	18.7	14.5	10.4
47.5°	4.2	6.2	12.5	6.2	6.2
50°	4.2	4.2	8.3	4.2	4.2
52.5°	4.2	4.2	4.2	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	4.2
60°	4.2	4.2	4.2	4.2	4.2
62.5°	4.2	4.2	4.2	4.2	4.2
65°	2.1	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
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)