

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: P1320059

Luminaire Tested: LDSQA3D13R159840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

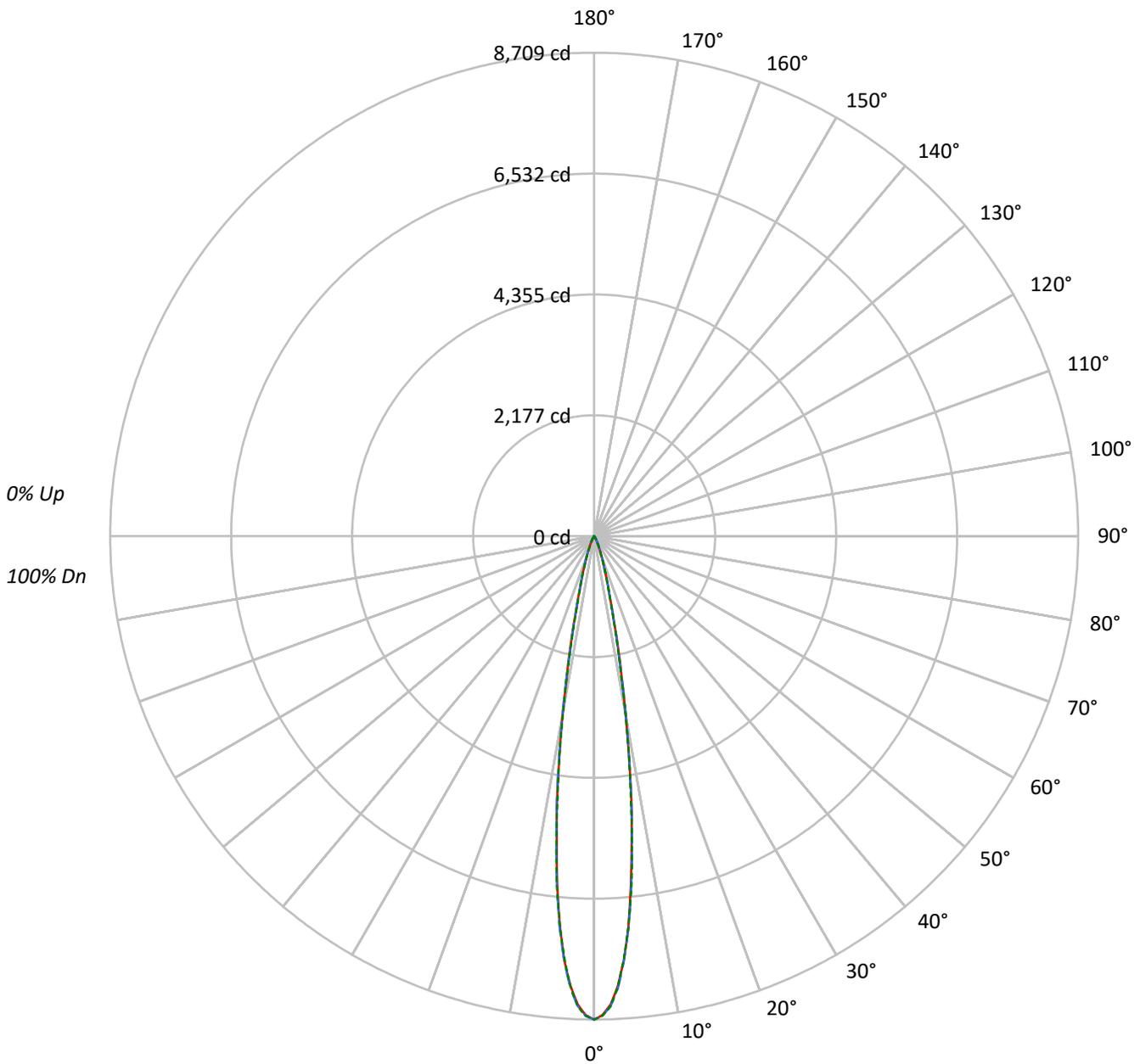
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 972.0 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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% Up
100% Dn

— 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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	95	93	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	90	88	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	89	87	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	88	85	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1499904	1499904	1499904
5°	1221193	1225187	1222801
10°	569652	574776	567501
15°	178886	180402	179296
20°	70873	73695	68618
25°	28637	34623	27611
30°	11475	15750	10858
35°	3385	6959	3238
40°	1034	2585	854
45°	195	560	195
50°	0	214	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 560 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.3	56.1
10°-20°	326.1	33.6
20°-30°	82.2	8.5
30°-40°	16.8	1.7
40°-50°	1.6	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	953.6	98.1
0°-40°	970.4	99.8
0°-60°	972.0	100.0
0°-90°	972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	972.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8709	8709	8709	8709	8709	
5°	7064	7051	7087	7069	7073	544
15°	1003	1012	1012	997	1006	326
25°	151	164	182	162	145	77
35°	16	22	33	21	15	13
45°	1	2	2	2	1	1
55°	0	0	0	0	0	0
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°	8709.1	8709.1	8709.1	8709.1	8709.1
1°	8630.7	8659.9	8644.5	8656.8	8643.0
2°	8443.8	8483.1	8470.8	8466.9	8477.7
3°	8114.8	8160.2	8158.6	8147.1	8128.6
4°	7665.8	7647.4	7675.8	7672.7	7641.2
5°	7063.8	7050.8	7086.9	7069.2	7073.1
6°	6327.3	6384.2	6371.9	6373.4	6388.0
7°	5536.2	5567.0	5593.1	5614.6	5584.6
8°	4809.7	4802.0	4804.3	4828.9	4745.9
9°	3996.3	4043.9	4013.2	3964.0	3995.5
10°	3257.4	3286.7	3286.7	3243.6	3245.1
11°	2597.0	2620.9	2604.0	2614.7	2547.1
12°	2093.5	2034.3	2020.4	2031.2	2030.4
13°	1598.4	1602.2	1598.4	1597.6	1589.9
14°	1253.2	1273.2	1264.7	1243.9	1234.7
15°	1003.3	1011.8	1011.8	997.1	1005.6
17.5°	602.7	612.7	615.0	605.1	605.1
20°	386.7	391.3	402.1	387.5	374.4
22.5°	238.3	248.3	266.8	245.3	234.5
25°	150.7	164.5	182.2	161.5	145.3
27.5°	94.6	106.1	121.5	101.5	91.5
30°	57.7	65.3	79.2	63.8	54.6
32.5°	32.3	38.4	50.0	36.9	30.8
35°	16.1	21.5	33.1	20.8	15.4
37.5°	9.2	11.5	20.8	10.0	8.5
40°	4.6	6.2	11.5	6.2	3.8
42.5°	1.5	3.1	4.6	3.1	1.5
45°	0.8	1.5	2.3	1.5	0.8
47.5°	0.0	0.0	0.8	0.0	0.0
50°	0.0	0.0	0.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)