

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: P1320065

Luminaire Tested: LDSQA3D13R159840DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159840DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

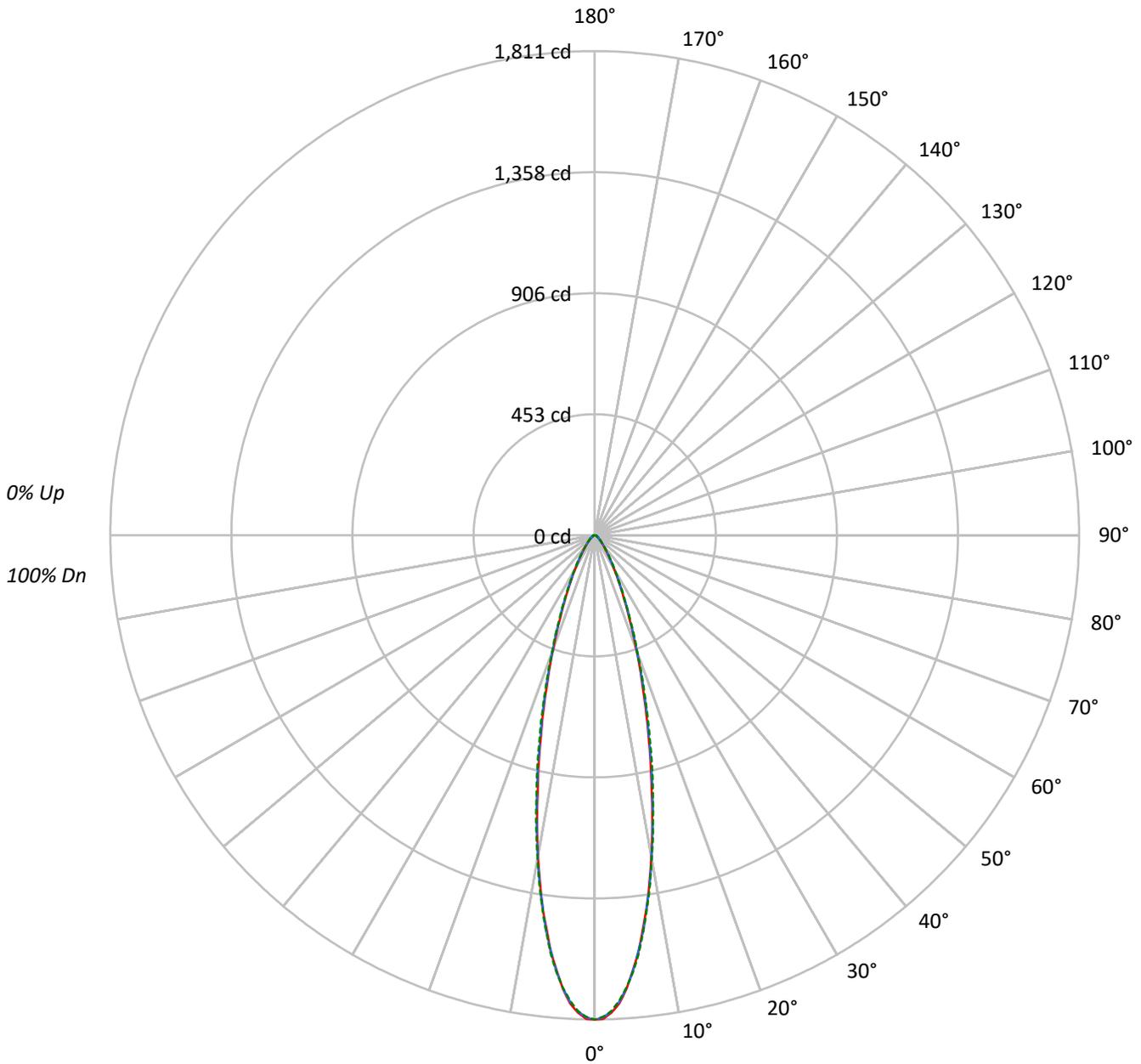
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 599.0 lumens
Efficiency: N/A
Efficacy: 41.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
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°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	311947	311947	311947
5°	282556	283092	283489
10°	213335	213860	214944
15°	138377	139875	142621
20°	83317	84288	85425
25°	48666	49692	50433
30°	28597	29512	29989
35°	17619	18270	18607
40°	11578	11938	12095
45°	8062	8232	8427
50°	5975	6189	6377
55°	4864	5074	5074
60°	4237	4237	4237
65°	3749	3749	3749
70°	3122	3474	3474
75°	3061	3061	3061
80°	2281	3075	3075
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 8427 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.7	23.8
10°-20°	218.2	36.4
20°-30°	124.0	20.7
30°-40°	56.6	9.4
40°-50°	27.1	4.5
50°-60°	15.2	2.5
60°-70°	9.3	1.6
70°-80°	4.9	0.8
80°-90°	1.1	0.2
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°	484.8	80.9
0°-40°	541.4	90.4
0°-60°	583.7	97.4
0°-90°	599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	599.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1811	1811	1811	1811	1811	
5°	1634	1634	1638	1638	1640	143
15°	776	780	784	795	800	215
25°	256	256	262	264	265	122
35°	84	85	87	88	88	55
45°	33	33	34	35	35	26
55°	16	16	17	17	17	15
65°	9	9	9	9	9	9
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1811.3	1811.3	1811.3	1811.3	1811.3
1°	1809.8	1805.2	1803.6	1802.9	1801.3
2°	1786.7	1782.9	1782.1	1782.1	1781.3
3°	1754.4	1747.5	1748.3	1746.0	1743.7
4°	1699.8	1696.7	1698.3	1699.8	1696.7
5°	1634.4	1633.7	1637.5	1637.5	1639.8
6°	1566.7	1566.0	1563.7	1569.8	1572.9
7°	1480.6	1485.2	1491.4	1488.3	1490.6
8°	1402.2	1396.8	1399.1	1406.8	1407.5
9°	1309.9	1306.0	1316.0	1319.1	1319.9
10°	1219.9	1223.7	1222.9	1233.7	1229.1
12.5°	985.3	991.4	998.4	1003.0	1007.6
15°	776.1	779.9	784.5	795.3	799.9
17.5°	596.9	601.5	606.1	615.3	616.9
20°	454.6	456.9	459.9	468.4	466.1
22.5°	340.0	343.8	346.9	350.7	353.0
25°	256.1	256.1	261.5	263.8	265.4
27.5°	190.7	192.3	196.1	199.2	198.4
30°	143.8	146.1	148.4	150.0	150.8
32.5°	110.8	110.8	113.1	115.4	116.1
35°	83.8	85.4	86.9	88.5	88.5
37.5°	65.4	66.1	67.7	68.5	68.5
40°	51.5	51.5	53.1	53.8	53.8
42.5°	40.8	41.5	42.3	43.1	43.1
45°	33.1	33.1	33.8	34.6	34.6
47.5°	26.9	26.9	27.7	28.5	28.5
50°	22.3	23.1	23.1	23.8	23.8
52.5°	19.2	19.2	19.2	20.0	20.0
55°	16.2	16.2	16.9	16.9	16.9
57.5°	13.8	13.8	13.8	14.6	14.6
60°	12.3	12.3	12.3	12.3	12.3
62.5°	10.8	10.8	10.8	10.8	10.8
65°	9.2	9.2	9.2	9.2	9.2
67.5°	7.7	7.7	7.7	8.5	8.5
70°	6.2	6.9	6.9	6.9	6.9
72.5°	5.4	5.4	5.4	5.4	5.4
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.8	3.8	3.8	3.8	3.8
80°	2.3	3.1	3.1	3.1	3.1
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)