

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: P1320150

Luminaire Tested: LDSQA3D13R459840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R459840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

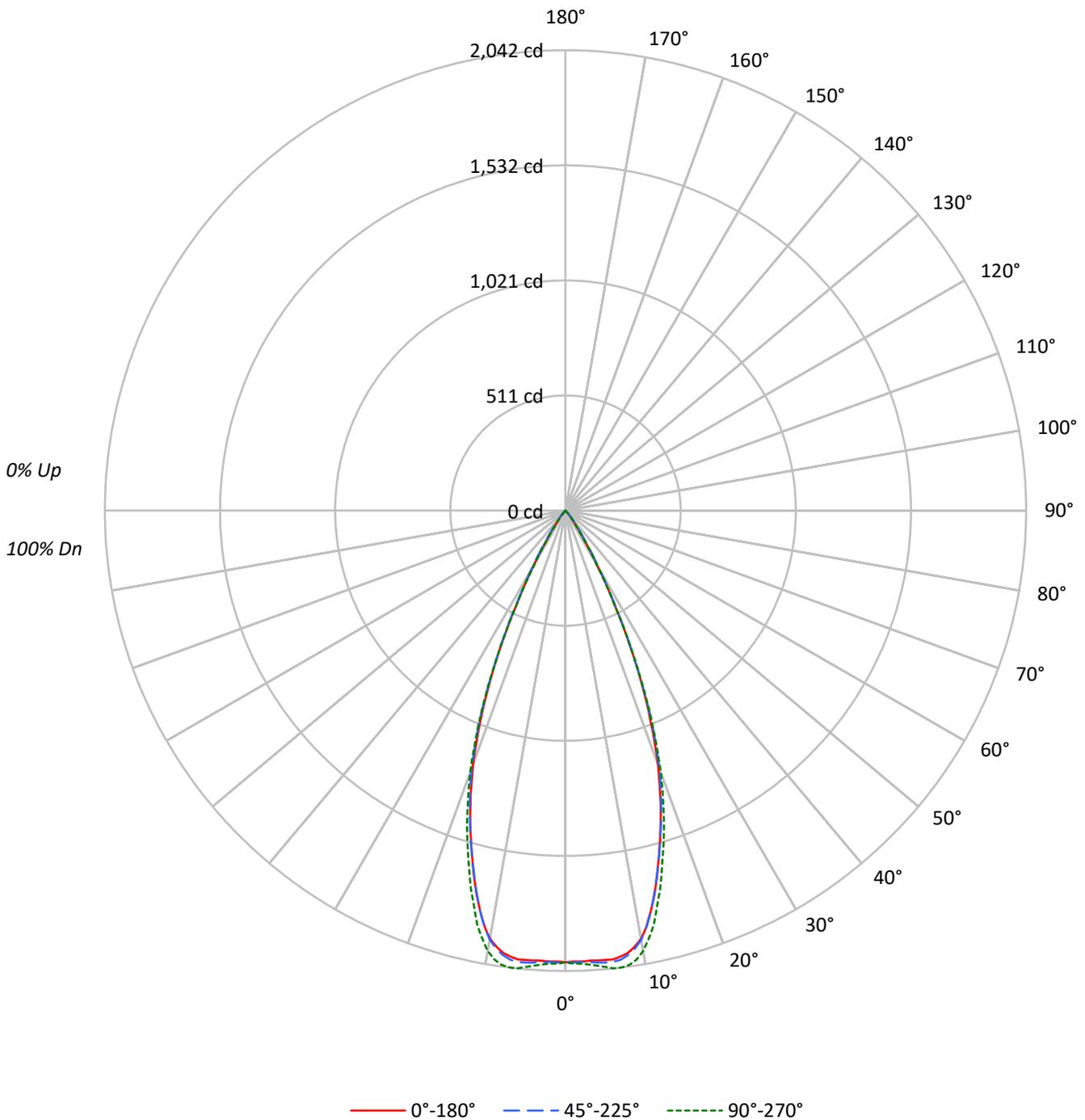
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1036.0 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
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 (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	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	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	345100	345100	345100
5°	345882	347887	351345
10°	337220	337902	346786
15°	284510	284635	293978
20°	219619	222716	226382
25°	136249	136382	137275
30°	56199	59719	55285
35°	17492	21382	16841
40°	5373	7442	5014
45°	365	2825	365
50°	0	402	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: 2825 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.7	18.4
10°-20°	443.4	42.8
20°-30°	325.3	31.4
30°-40°	69.9	6.7
40°-50°	6.6	0.6
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°	959.4	92.6
0°-40°	1029.3	99.4
0°-60°	1036.0	100.0
0°-90°	1036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2004	2004	2004	2004	2004	
5°	2001	2006	2012	2026	2032	189
15°	1596	1593	1596	1622	1649	439
25°	717	715	718	718	722	322
35°	83	89	102	87	80	65
45°	2	5	12	5	2	4
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°	2003.8	2003.8	2003.8	2003.8	2003.8
1°	2000.0	2004.6	2004.6	2007.7	2009.2
2°	2001.5	2004.6	2003.8	2009.2	2011.5
3°	1999.2	2004.6	2006.1	2012.3	2016.1
4°	2000.0	2004.6	2009.2	2018.4	2023.8
5°	2000.7	2006.1	2012.3	2026.1	2032.3
6°	2001.5	2005.3	2012.3	2030.0	2041.5
7°	1993.8	1999.2	2006.9	2029.2	2041.5
8°	1981.5	1984.6	1990.7	2020.0	2034.6
9°	1958.4	1957.6	1966.8	1999.2	2016.1
10°	1928.3	1919.1	1932.2	1964.5	1983.0
11°	1879.8	1869.8	1881.4	1916.0	1933.7
12°	1816.7	1816.7	1819.0	1849.8	1880.6
13°	1749.7	1742.0	1746.6	1781.2	1802.8
14°	1675.7	1668.0	1672.7	1698.8	1732.7
15°	1595.7	1592.6	1596.4	1621.8	1648.8
17.5°	1405.4	1398.5	1412.4	1437.8	1451.6
20°	1198.3	1209.8	1215.2	1231.4	1235.2
22.5°	960.3	972.6	980.3	982.6	985.0
25°	717.0	714.7	717.7	717.7	722.4
27.5°	471.3	471.3	479.8	474.4	469.0
30°	282.6	294.2	300.3	290.3	278.0
32.5°	154.0	165.6	175.6	161.0	150.2
35°	83.2	89.3	101.7	87.0	80.1
37.5°	45.4	50.8	58.5	49.3	45.4
40°	23.9	29.3	33.1	29.3	22.3
42.5°	7.7	14.6	19.3	14.6	6.9
45°	1.5	4.6	11.6	4.6	1.5
47.5°	0.0	0.8	5.4	0.8	0.0
50°	0.0	0.0	1.5	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)