

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: P1310154

Luminaire Tested: LDSQA3D09R159035DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310154
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: LDSQA3D09R159035DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

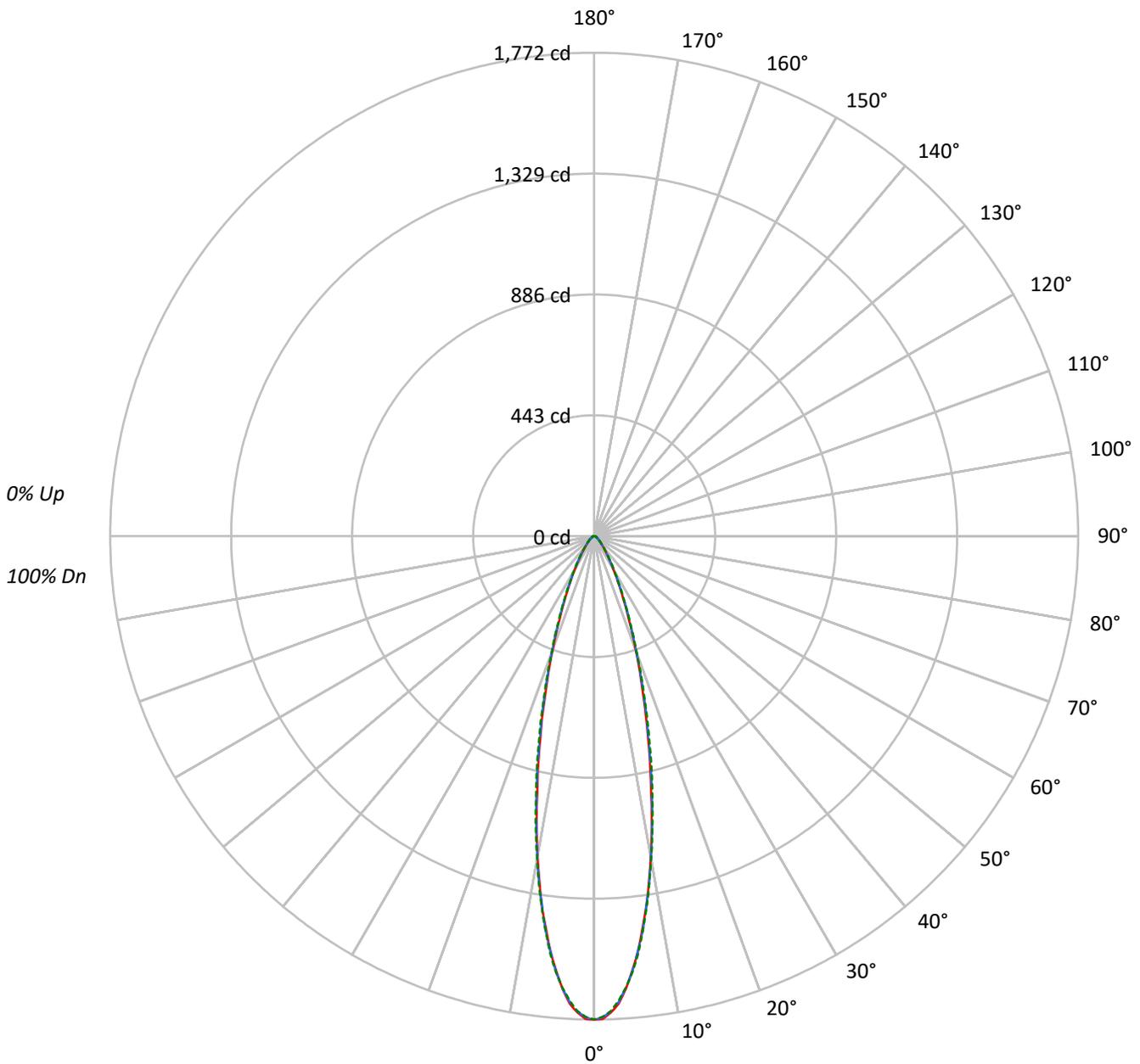
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 586.0 lumens
Efficiency: N/A
Efficacy: 52.8 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): 11.1
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°	305179	305179	305179
5°	276436	276955	277335
10°	208701	209226	210275
15°	135364	136844	139536
20°	81503	82474	83574
25°	47621	48609	49331
30°	27980	28875	29333
35°	17240	17871	18186
40°	11331	11668	11848
45°	7891	8062	8257
50°	5841	6055	6243
55°	4744	4984	4984
60°	4133	4133	4133
65°	3668	3668	3668
70°	3021	3424	3424
75°	2994	2994	2994
80°	2281	2975	2975
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 8257 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	23.8
10°-20°	213.4	36.4
20°-30°	121.3	20.7
30°-40°	55.3	9.4
40°-50°	26.5	4.5
50°-60°	14.8	2.5
60°-70°	9.1	1.5
70°-80°	4.9	0.8
80°-90°	1.0	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°	474.3	80.9
0°-40°	529.7	90.4
0°-60°	571.0	97.4
0°-90°	586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1772	1772	1772	1772	1772	
5°	1599	1598	1602	1602	1604	139
15°	759	763	768	778	783	211
25°	251	251	256	258	260	119
35°	82	84	85	86	86	54
45°	32	32	33	34	34	26
55°	16	16	17	17	17	14
65°	9	9	9	9	9	9
75°	4	4	4	4	4	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°	1772.0	1772.0	1772.0	1772.0	1772.0
1°	1770.5	1766.0	1764.5	1763.7	1762.2
2°	1747.9	1744.2	1743.4	1743.4	1742.7
3°	1716.3	1709.6	1710.3	1708.1	1705.8
4°	1662.9	1659.9	1661.4	1662.9	1659.9
5°	1599.0	1598.2	1602.0	1602.0	1604.2
6°	1532.7	1532.0	1529.7	1535.8	1538.8
7°	1448.5	1453.0	1459.0	1456.0	1458.3
8°	1371.7	1366.5	1368.7	1376.2	1377.0
9°	1281.4	1277.7	1287.4	1290.5	1291.2
10°	1193.4	1197.2	1196.4	1206.9	1202.4
12.5°	963.9	969.9	976.7	981.2	985.7
15°	759.2	763.0	767.5	778.0	782.6
17.5°	583.9	588.4	592.9	602.0	603.5
20°	444.7	447.0	450.0	458.2	456.0
22.5°	332.6	336.3	339.4	343.1	345.4
25°	250.6	250.6	255.8	258.1	259.6
27.5°	186.6	188.1	191.9	194.9	194.1
30°	140.7	143.0	145.2	146.7	147.5
32.5°	108.4	108.4	110.6	112.9	113.6
35°	82.0	83.5	85.0	86.5	86.5
37.5°	64.0	64.7	66.2	67.0	67.0
40°	50.4	50.4	51.9	52.7	52.7
42.5°	39.9	40.6	41.4	42.1	42.1
45°	32.4	32.4	33.1	33.9	33.9
47.5°	26.3	26.3	27.1	27.8	27.8
50°	21.8	22.6	22.6	23.3	23.3
52.5°	18.8	18.8	18.8	19.6	19.6
55°	15.8	15.8	16.6	16.6	16.6
57.5°	13.5	13.5	13.5	14.3	14.3
60°	12.0	12.0	12.0	12.0	12.0
62.5°	10.5	10.5	10.5	10.5	10.5
65°	9.0	9.0	9.0	9.0	9.0
67.5°	7.5	7.5	7.5	8.3	8.3
70°	6.0	6.8	6.8	6.8	6.8
72.5°	5.3	5.3	5.3	5.3	5.3
75°	4.5	4.5	4.5	4.5	4.5
77.5°	3.8	3.8	3.8	3.8	3.8
80°	2.3	3.0	3.0	3.0	3.0
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)