

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: P1327669

Luminaire Tested: LDSQA3D13R20W2N902765DE010 3LSQPHRL1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R20W2N902765DE010 3LSQPHRL1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

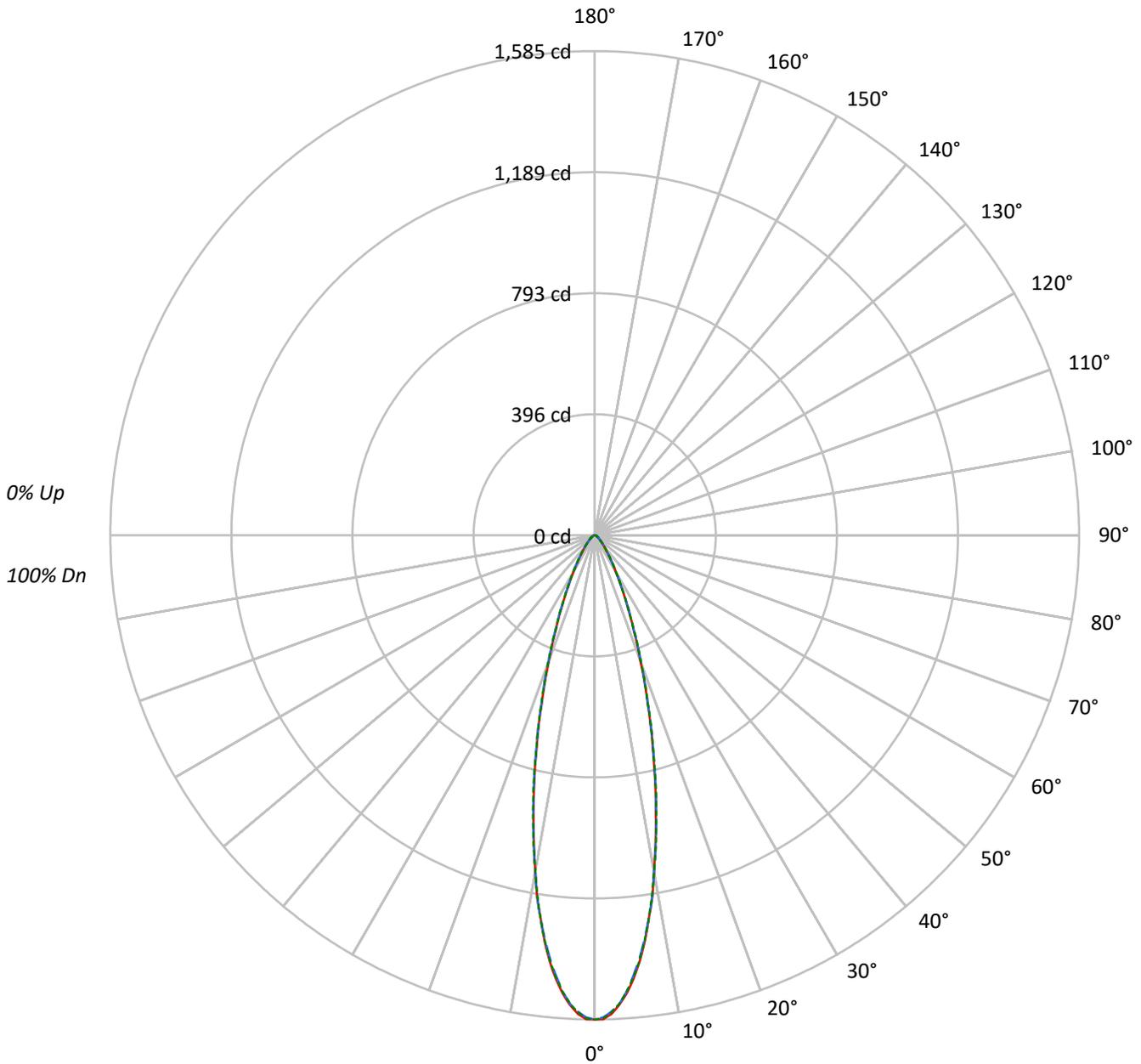
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 557.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	272973	272973	272973
5°	251835	250383	251230
10°	195428	195673	195673
15°	132083	132707	132707
20°	80220	81228	81613
25°	47051	47716	47583
30°	27443	28000	28139
35°	16778	17219	17219
40°	10926	11061	11219
45°	7599	7770	7940
50°	5573	5761	5761
55°	4384	4594	4594
60°	3823	3823	4064
65°	3382	3382	3668
70°	3122	3122	3122
75°	2795	2795	2795
80°	2083	2083	2777
85°	1383	1383	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7940 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	22.9
10°-20°	204.7	36.7
20°-30°	118.5	21.3
30°-40°	53.1	9.5
40°-50°	25.2	4.5
50°-60°	13.8	2.5
60°-70°	8.3	1.5
70°-80°	4.5	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°	451.0	81.0
0°-40°	504.1	90.5
0°-60°	543.2	97.5
0°-90°	557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	557.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1585	1585	1585	1585	1585	
5°	1457	1452	1448	1451	1453	128
15°	741	741	744	741	744	204
25°	248	248	251	249	250	117
35°	80	80	82	82	82	52
45°	31	31	32	32	33	25
55°	15	15	15	15	15	13
65°	8	8	8	8	9	8
75°	4	4	4	4	4	4
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°	1585.0	1585.0	1585.0	1585.0	1585.0
1°	1584.3	1580.1	1578.7	1577.4	1581.5
2°	1568.3	1563.5	1560.7	1562.1	1562.8
3°	1539.9	1537.1	1537.1	1535.0	1536.4
4°	1503.1	1497.6	1497.6	1498.3	1498.3
5°	1456.7	1451.8	1448.3	1451.1	1453.2
6°	1404.6	1398.4	1395.6	1396.3	1401.2
7°	1340.8	1332.5	1333.9	1337.4	1337.4
8°	1268.7	1268.0	1269.4	1268.0	1269.4
9°	1202.1	1192.4	1200.7	1193.8	1197.2
10°	1117.5	1116.8	1118.9	1120.9	1118.9
12.5°	924.6	928.1	929.5	926.7	933.0
15°	740.8	740.8	744.3	740.8	744.3
17.5°	576.4	575.7	578.5	575.7	579.9
20°	437.7	442.5	443.2	443.2	445.3
22.5°	330.2	330.2	333.0	333.6	332.3
25°	247.6	247.6	251.1	249.0	250.4
27.5°	183.1	184.5	187.3	188.7	188.7
30°	138.0	138.7	140.8	141.5	141.5
32.5°	104.0	105.4	106.8	107.5	108.2
35°	79.8	80.5	81.9	82.5	81.9
37.5°	61.0	61.7	63.1	63.8	63.8
40°	48.6	48.6	49.2	49.9	49.9
42.5°	38.2	38.8	38.8	39.5	39.5
45°	31.2	31.2	31.9	31.9	32.6
47.5°	25.0	25.0	25.7	26.4	26.4
50°	20.8	20.8	21.5	21.5	21.5
52.5°	17.3	17.3	18.0	18.0	18.0
55°	14.6	14.6	15.3	15.3	15.3
57.5°	12.5	12.5	13.2	13.2	13.2
60°	11.1	11.1	11.1	11.1	11.8
62.5°	9.7	9.7	9.7	9.7	9.7
65°	8.3	8.3	8.3	8.3	9.0
67.5°	6.9	6.9	6.9	6.9	7.6
70°	6.2	6.2	6.2	6.2	6.2
72.5°	4.9	4.9	4.9	5.5	5.5
75°	4.2	4.2	4.2	4.2	4.2
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.1	2.1	2.1	2.8	2.8
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)