

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: P1327682

Luminaire Tested: LDSQA3D13R20W2N902765DE010 3LSQPHRLD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R20W2N902765DE010 3LSQPHRLD1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

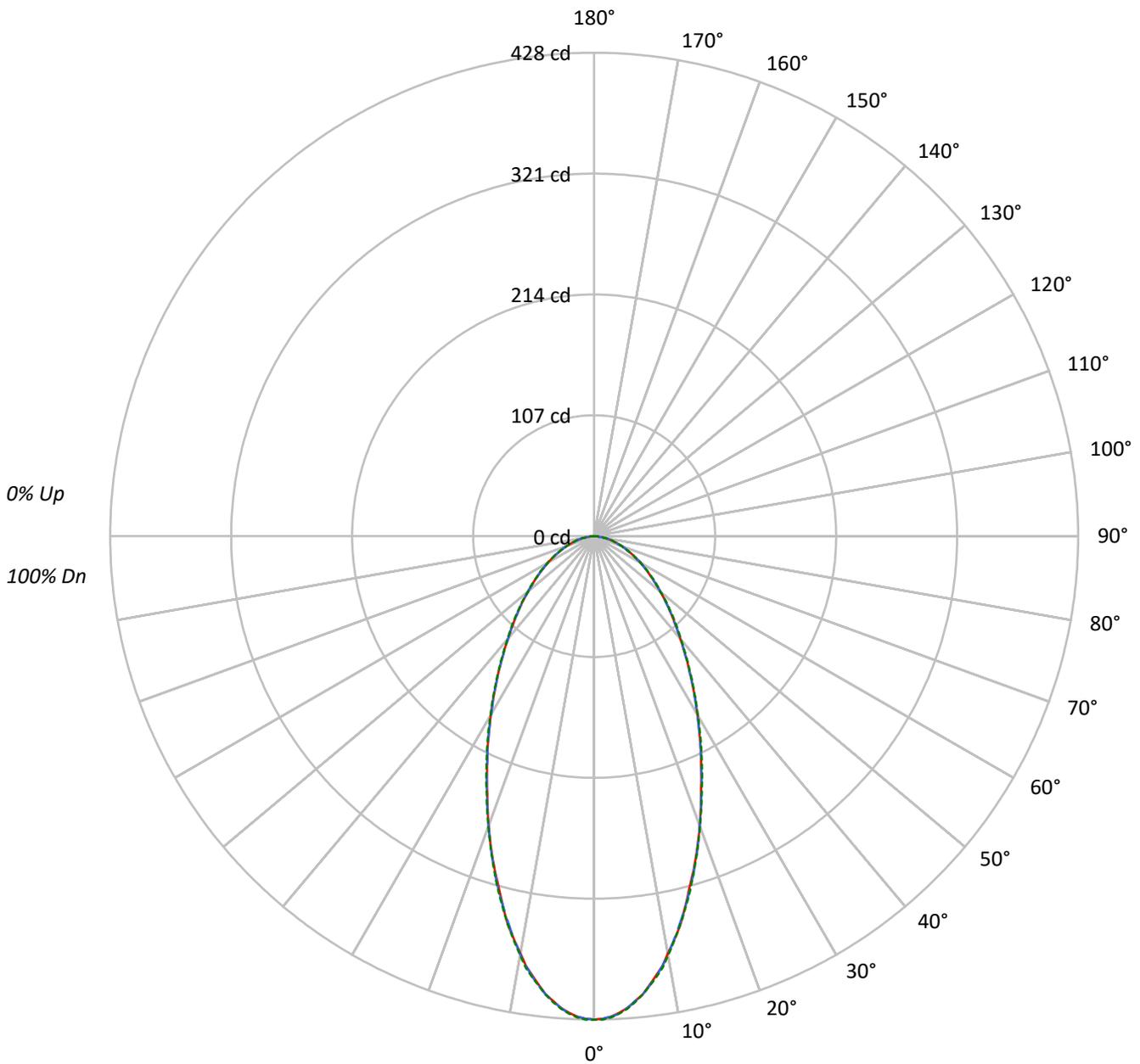
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 512.0 lumens
Efficiency: N/A
Efficacy: 41.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	45
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	73729	73729	73729
5°	71486	71486	71624
10°	65632	65772	65895
15°	57786	58054	58196
20°	50016	50016	50144
25°	42566	42566	42851
30°	36333	36174	36492
35°	31011	31011	31179
40°	26641	26641	26799
45°	23260	23260	23455
50°	20470	20470	20470
55°	18136	18136	18376
60°	16327	16327	16327
65°	14630	14630	14630
70°	13092	13092	13092
75°	11711	11179	11711
80°	9819	9819	9819
85°	6126	6126	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 23455 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	7.5
10°-20°	90.6	17.7
20°-30°	103.2	20.2
30°-40°	92.7	18.1
40°-50°	74.2	14.5
50°-60°	54.5	10.7
60°-70°	35.7	7.0
70°-80°	18.5	3.6
80°-90°	4.3	0.8
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°	232.1	45.3
0°-40°	324.8	63.4
0°-60°	453.5	88.6
0°-90°	512.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	512.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	428	428	428	428	428	
5°	414	414	414	414	414	38
15°	324	324	326	326	326	91
25°	224	224	224	225	226	103
35°	148	148	148	148	148	93
45°	96	96	96	96	96	74
55°	60	60	60	60	61	54
65°	36	35	36	36	36	36
75°	18	17	17	18	18	19
85°	3	3	3	4	4	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	428.1	428.1	428.1	428.1	428.1
1°	427.3	426.5	427.3	427.3	428.1
2°	425.8	425.8	425.8	425.0	426.5
3°	422.7	422.7	423.5	422.7	423.5
4°	418.9	418.9	418.9	418.1	419.6
5°	413.5	413.5	413.5	413.5	414.3
6°	408.2	407.4	408.2	407.4	408.2
7°	400.5	400.5	401.3	400.5	401.3
8°	392.9	392.1	393.7	392.9	394.4
9°	385.3	384.5	385.3	384.5	386.8
10°	375.3	376.1	376.1	376.1	376.8
12.5°	352.4	350.9	350.9	350.9	352.4
15°	324.1	324.1	325.6	325.6	326.4
17.5°	298.9	298.1	299.6	299.6	299.6
20°	272.9	272.1	272.9	272.9	273.6
22.5°	246.9	247.7	247.7	247.7	248.4
25°	224.0	224.0	224.0	224.7	225.5
27.5°	202.6	201.8	202.6	203.3	204.1
30°	182.7	181.9	181.9	182.7	183.5
32.5°	164.3	163.6	164.3	164.3	165.1
35°	147.5	147.5	147.5	147.5	148.3
37.5°	132.2	132.2	132.2	133.0	133.0
40°	118.5	118.5	118.5	119.2	119.2
42.5°	106.2	106.2	106.2	107.0	107.8
45°	95.5	95.5	95.5	95.5	96.3
47.5°	85.6	85.6	85.6	86.4	86.4
50°	76.4	75.7	76.4	77.2	76.4
52.5°	68.0	68.0	68.0	68.0	68.8
55°	60.4	60.4	60.4	60.4	61.2
57.5°	53.5	53.5	53.5	54.3	54.3
60°	47.4	47.4	47.4	47.4	47.4
62.5°	41.3	41.3	41.3	41.3	41.3
65°	35.9	35.2	35.9	35.9	35.9
67.5°	30.6	30.6	30.6	30.6	30.6
70°	26.0	26.0	26.0	26.0	26.0
72.5°	21.4	21.4	21.4	21.4	21.4
75°	17.6	16.8	16.8	17.6	17.6
77.5°	13.8	13.0	13.8	13.8	13.8
80°	9.9	9.9	9.9	9.9	9.9
82.5°	6.1	6.1	6.1	6.9	6.9
85°	3.1	3.1	3.1	3.8	3.8
87.5°	0.8	0.8	0.8	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)