

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: P1327688

Luminaire Tested: LDSQA3D13R20W2N902765DE010 3LSQPHRLP1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R20W2N902765DE010 3LSQPHRLP1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

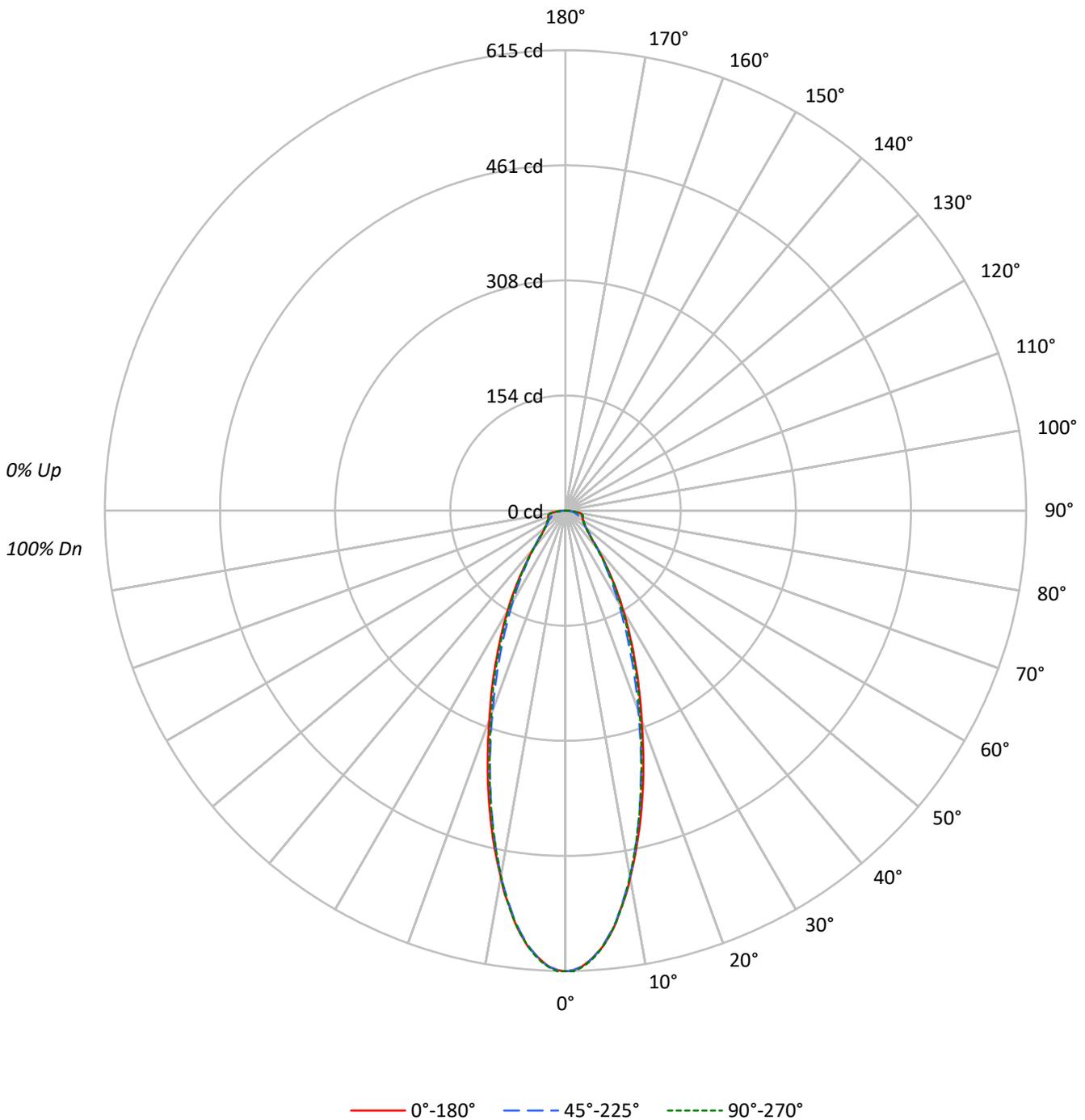
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 434.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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





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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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	105986	105986	105986
5°	100841	100582	100841
10°	87055	86793	86653
15°	70659	69019	69287
20°	54433	52050	53040
25°	41350	38309	40191
30°	30665	27941	29770
35°	21676	20226	21361
40°	14928	14928	14591
45°	10960	11520	10960
50°	9619	9619	9619
55°	9158	8948	9158
60°	9472	8680	9472
65°	10269	8721	10269
70°	12287	8862	12287
75°	15770	9649	15770
80°	19737	9819	18943
85°	15018	9090	16599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 19737 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	12.2
10°-20°	107.8	24.8
20°-30°	96.3	22.2
30°-40°	63.2	14.6
40°-50°	36.7	8.5
50°-60°	27.3	6.3
60°-70°	23.0	5.3
70°-80°	19.0	4.4
80°-90°	7.9	1.8
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°	256.9	59.2
0°-40°	320.0	73.7
0°-60°	384.0	88.5
0°-90°	434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	434.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	615	615	615	615	615	
5°	583	583	582	583	583	53
15°	396	392	387	388	389	109
25°	218	212	202	207	212	100
35°	103	100	96	99	102	66
45°	45	46	47	46	45	36
55°	30	30	30	30	30	28
65°	25	23	21	23	25	25
75°	24	18	14	18	24	24
85°	8	8	5	8	8	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	615.4	615.4	615.4	615.4	615.4
1°	613.9	614.6	613.9	614.6	615.4
2°	610.1	610.8	610.1	610.1	610.8
3°	602.4	603.2	603.2	603.2	604.0
4°	593.3	594.0	593.3	594.0	594.8
5°	583.3	582.6	581.8	582.6	583.3
6°	569.6	568.8	568.1	568.8	569.6
7°	554.3	553.6	552.8	552.8	553.6
8°	535.2	536.0	533.7	535.2	536.0
9°	518.4	516.9	515.4	515.4	516.9
10°	497.8	496.3	496.3	495.5	495.5
12.5°	447.4	444.4	442.1	442.1	442.9
15°	396.3	392.5	387.1	387.9	388.6
17.5°	345.1	340.5	333.7	335.2	336.7
20°	297.0	292.4	284.0	287.1	289.4
22.5°	255.8	248.9	241.3	243.6	251.2
25°	217.6	211.5	201.6	206.9	211.5
27.5°	184.0	177.1	168.7	174.1	178.7
30°	154.2	148.1	140.5	145.1	149.7
32.5°	127.5	122.2	116.8	119.9	123.7
35°	103.1	100.0	96.2	99.3	101.6
37.5°	83.2	81.7	80.2	81.7	80.9
40°	66.4	67.2	66.4	66.4	64.9
42.5°	52.7	55.0	55.7	54.2	52.7
45°	45.0	45.8	47.3	45.8	45.0
47.5°	39.7	39.7	40.5	39.7	38.9
50°	35.9	35.9	35.9	35.9	35.9
52.5°	32.8	32.8	32.1	32.8	32.8
55°	30.5	29.8	29.8	29.8	30.5
57.5°	29.0	28.3	27.5	28.3	29.0
60°	27.5	26.0	25.2	26.0	27.5
62.5°	26.0	24.4	23.7	24.4	26.0
65°	25.2	22.9	21.4	22.9	25.2
67.5°	24.4	21.4	19.9	21.4	25.2
70°	24.4	19.9	17.6	20.6	24.4
72.5°	23.7	19.1	16.0	19.1	23.7
75°	23.7	17.6	14.5	17.6	23.7
77.5°	22.1	16.0	12.2	16.0	22.1
80°	19.9	14.5	9.9	14.5	19.1
82.5°	14.5	12.2	7.6	12.2	14.5
85°	7.6	8.4	4.6	8.4	8.4
87.5°	0.8	3.1	1.5	4.6	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)