

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: P1309219

Luminaire Tested: LDSQA3D13R209030DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309219
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: LDSQA3D13R209030DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

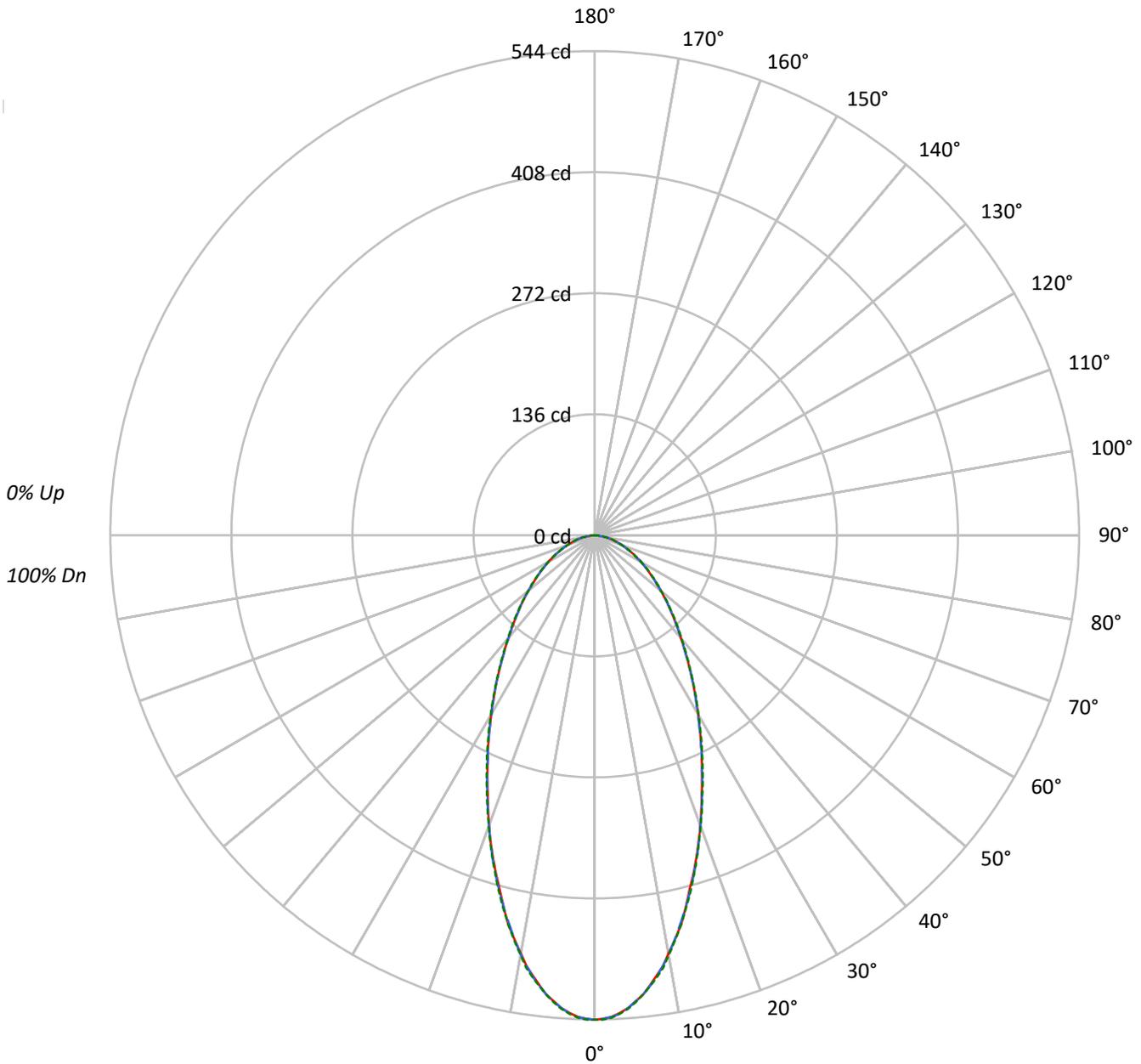
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 651.0 lumens
Efficiency: N/A
Efficacy: 44.6 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): 14.6
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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	45
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	93741	93741	93741
5°	90901	90901	91073
10°	83452	83627	83785
15°	73477	73815	73994
20°	63597	63597	63762
25°	54120	54120	54481
30°	46196	45998	46395
35°	39442	39442	39631
40°	33858	33858	34083
45°	29592	29592	29836
50°	26043	26043	26043
55°	23060	23060	23360
60°	20770	20770	20770
65°	18623	18623	18623
70°	16617	16617	16617
75°	14905	14240	14905
80°	12497	12497	12497
85°	7707	7707	9683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 29836 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	7.5
10°-20°	115.2	17.7
20°-30°	131.2	20.2
30°-40°	117.8	18.1
40°-50°	94.4	14.5
50°-60°	69.4	10.7
60°-70°	45.4	7.0
70°-80°	23.5	3.6
80°-90°	5.5	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°	295.1	45.3
0°-40°	412.9	63.4
0°-60°	576.7	88.6
0°-90°	651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	651.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	544	544	544	544	544	
5°	526	526	526	526	527	49
15°	412	412	414	414	415	115
25°	285	285	285	286	287	131
35°	188	188	188	188	188	118
45°	122	122	122	122	122	94
55°	77	77	77	77	78	69
65°	46	45	46	46	46	45
75°	22	21	21	22	22	24
85°	4	4	4	5	5	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	544.3	544.3	544.3	544.3	544.3
1°	543.3	542.3	543.3	543.3	544.3
2°	541.4	541.4	541.4	540.4	542.3
3°	537.5	537.5	538.4	537.5	538.4
4°	532.6	532.6	532.6	531.6	533.6
5°	525.8	525.8	525.8	525.8	526.8
6°	519.0	518.0	519.0	518.0	519.0
7°	509.3	509.3	510.2	509.3	510.2
8°	499.6	498.6	500.5	499.6	501.5
9°	489.8	488.9	489.8	488.9	491.8
10°	477.2	478.2	478.2	478.2	479.1
12.5°	448.0	446.1	446.1	446.1	448.0
15°	412.1	412.1	414.0	414.0	415.0
17.5°	380.0	379.0	381.0	381.0	381.0
20°	347.0	346.0	347.0	347.0	347.9
22.5°	313.9	314.9	314.9	314.9	315.9
25°	284.8	284.8	284.8	285.7	286.7
27.5°	257.6	256.6	257.6	258.5	259.5
30°	232.3	231.3	231.3	232.3	233.3
32.5°	209.0	208.0	209.0	209.0	209.9
35°	187.6	187.6	187.6	187.6	188.5
37.5°	168.1	168.1	168.1	169.1	169.1
40°	150.6	150.6	150.6	151.6	151.6
42.5°	135.1	135.1	135.1	136.1	137.0
45°	121.5	121.5	121.5	121.5	122.5
47.5°	108.9	108.9	108.9	109.8	109.8
50°	97.2	96.2	97.2	98.2	97.2
52.5°	86.5	86.5	86.5	86.5	87.5
55°	76.8	76.8	76.8	76.8	77.8
57.5°	68.0	68.0	68.0	69.0	69.0
60°	60.3	60.3	60.3	60.3	60.3
62.5°	52.5	52.5	52.5	52.5	52.5
65°	45.7	44.7	45.7	45.7	45.7
67.5°	38.9	38.9	38.9	38.9	38.9
70°	33.0	33.0	33.0	33.0	33.0
72.5°	27.2	27.2	27.2	27.2	27.2
75°	22.4	21.4	21.4	22.4	22.4
77.5°	17.5	16.5	17.5	17.5	17.5
80°	12.6	12.6	12.6	12.6	12.6
82.5°	7.8	7.8	7.8	8.7	8.7
85°	3.9	3.9	3.9	4.9	4.9
87.5°	1.0	1.0	1.0	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)