

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: P1324385

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHRLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324385
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: LDSQA3D05R20W2N902750DE010 3LSQPHRLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

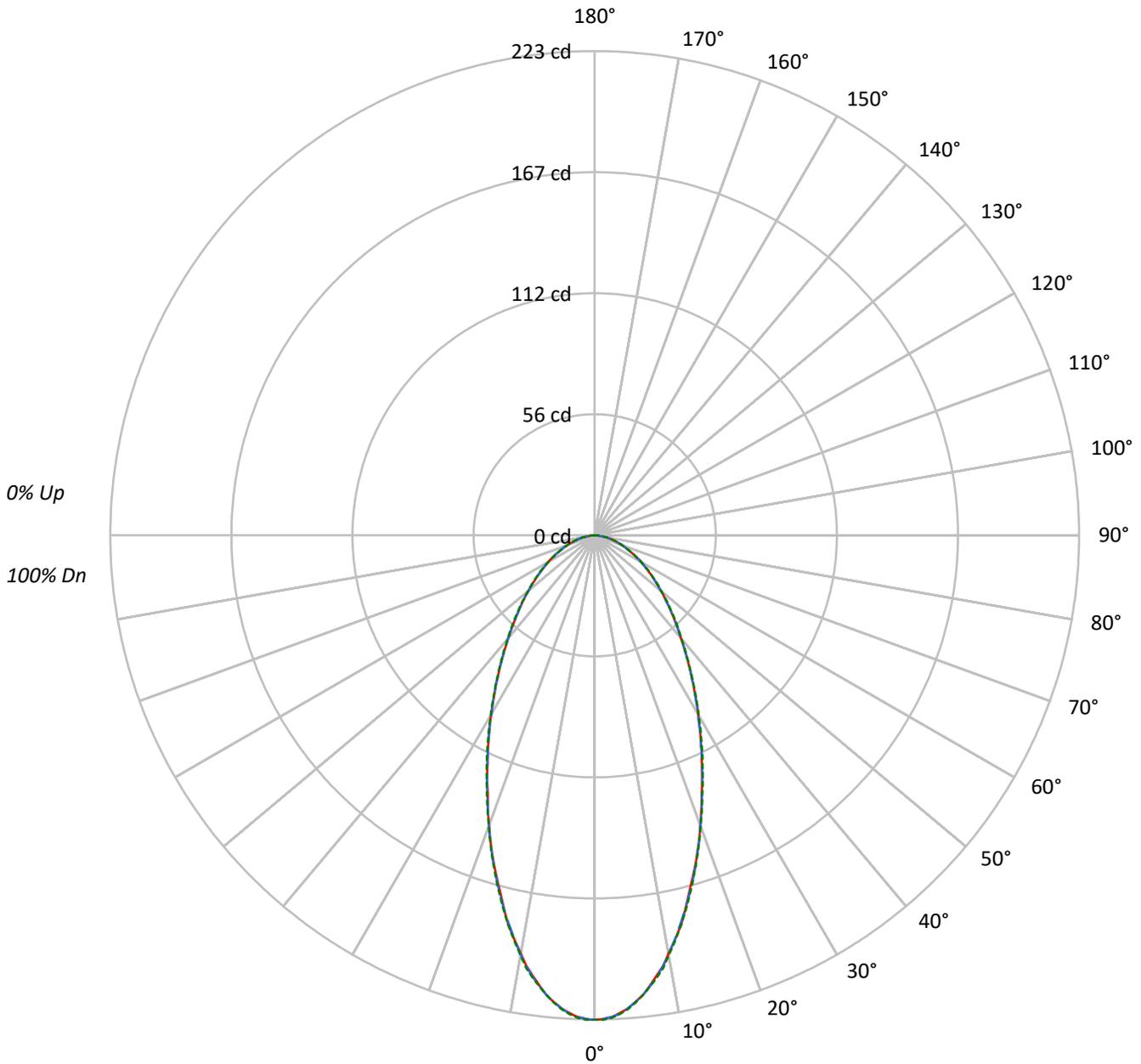
Lumens per Lamp: N/A
Luminaire Lumens: 267.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	71	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	45	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°	38440	38440	38440
5°	37290	37290	37342
10°	34224	34294	34364
15°	30132	30275	30346
20°	26080	26080	26153
25°	22195	22195	22347
30°	18952	18872	19031
35°	16168	16168	16252
40°	13894	13894	13984
45°	12129	12129	12227
50°	10690	10690	10690
55°	9458	9458	9578
60°	8508	8508	8508
65°	7621	7621	7621
70°	6848	6848	6848
75°	6122	5856	6122
80°	5157	5157	5157
85°	3162	3162	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12227 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	7.5
10°-20°	47.3	17.7
20°-30°	53.8	20.2
30°-40°	48.3	18.1
40°-50°	38.7	14.5
50°-60°	28.5	10.7
60°-70°	18.6	7.0
70°-80°	9.7	3.6
80°-90°	2.2	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°	121.0	45.3
0°-40°	169.4	63.4
0°-60°	236.5	88.6
0°-90°	267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	267.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	223	223	223	223	223	
5°	216	216	216	216	216	20
15°	169	169	170	170	170	47
25°	117	117	117	117	118	54
35°	77	77	77	77	77	48
45°	50	50	50	50	50	39
55°	32	32	32	32	32	28
65°	19	18	19	19	19	19
75°	9	9	9	9	9	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	223.2	223.2	223.2	223.2	223.2
1°	222.8	222.4	222.8	222.8	223.2
2°	222.0	222.0	222.0	221.6	222.4
3°	220.4	220.4	220.8	220.4	220.8
4°	218.4	218.4	218.4	218.0	218.8
5°	215.7	215.7	215.7	215.7	216.0
6°	212.9	212.5	212.9	212.5	212.9
7°	208.9	208.9	209.3	208.9	209.3
8°	204.9	204.5	205.3	204.9	205.7
9°	200.9	200.5	200.9	200.5	201.7
10°	195.7	196.1	196.1	196.1	196.5
12.5°	183.8	183.0	183.0	183.0	183.8
15°	169.0	169.0	169.8	169.8	170.2
17.5°	155.9	155.5	156.3	156.3	156.3
20°	142.3	141.9	142.3	142.3	142.7
22.5°	128.8	129.2	129.2	129.2	129.5
25°	116.8	116.8	116.8	117.2	117.6
27.5°	105.6	105.2	105.6	106.0	106.4
30°	95.3	94.9	94.9	95.3	95.7
32.5°	85.7	85.3	85.7	85.7	86.1
35°	76.9	76.9	76.9	76.9	77.3
37.5°	69.0	69.0	69.0	69.4	69.4
40°	61.8	61.8	61.8	62.2	62.2
42.5°	55.4	55.4	55.4	55.8	56.2
45°	49.8	49.8	49.8	49.8	50.2
47.5°	44.6	44.6	44.6	45.0	45.0
50°	39.9	39.5	39.9	40.3	39.9
52.5°	35.5	35.5	35.5	35.5	35.9
55°	31.5	31.5	31.5	31.5	31.9
57.5°	27.9	27.9	27.9	28.3	28.3
60°	24.7	24.7	24.7	24.7	24.7
62.5°	21.5	21.5	21.5	21.5	21.5
65°	18.7	18.3	18.7	18.7	18.7
67.5°	15.9	15.9	15.9	15.9	15.9
70°	13.6	13.6	13.6	13.6	13.6
72.5°	11.2	11.2	11.2	11.2	11.2
75°	9.2	8.8	8.8	9.2	9.2
77.5°	7.2	6.8	7.2	7.2	7.2
80°	5.2	5.2	5.2	5.2	5.2
82.5°	3.2	3.2	3.2	3.6	3.6
85°	1.6	1.6	1.6	2.0	2.0
87.5°	0.4	0.4	0.4	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)