

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: P1313796

Luminaire Tested: LDSQA3D17R209727DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313796
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: LDSQA3D17R209727DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

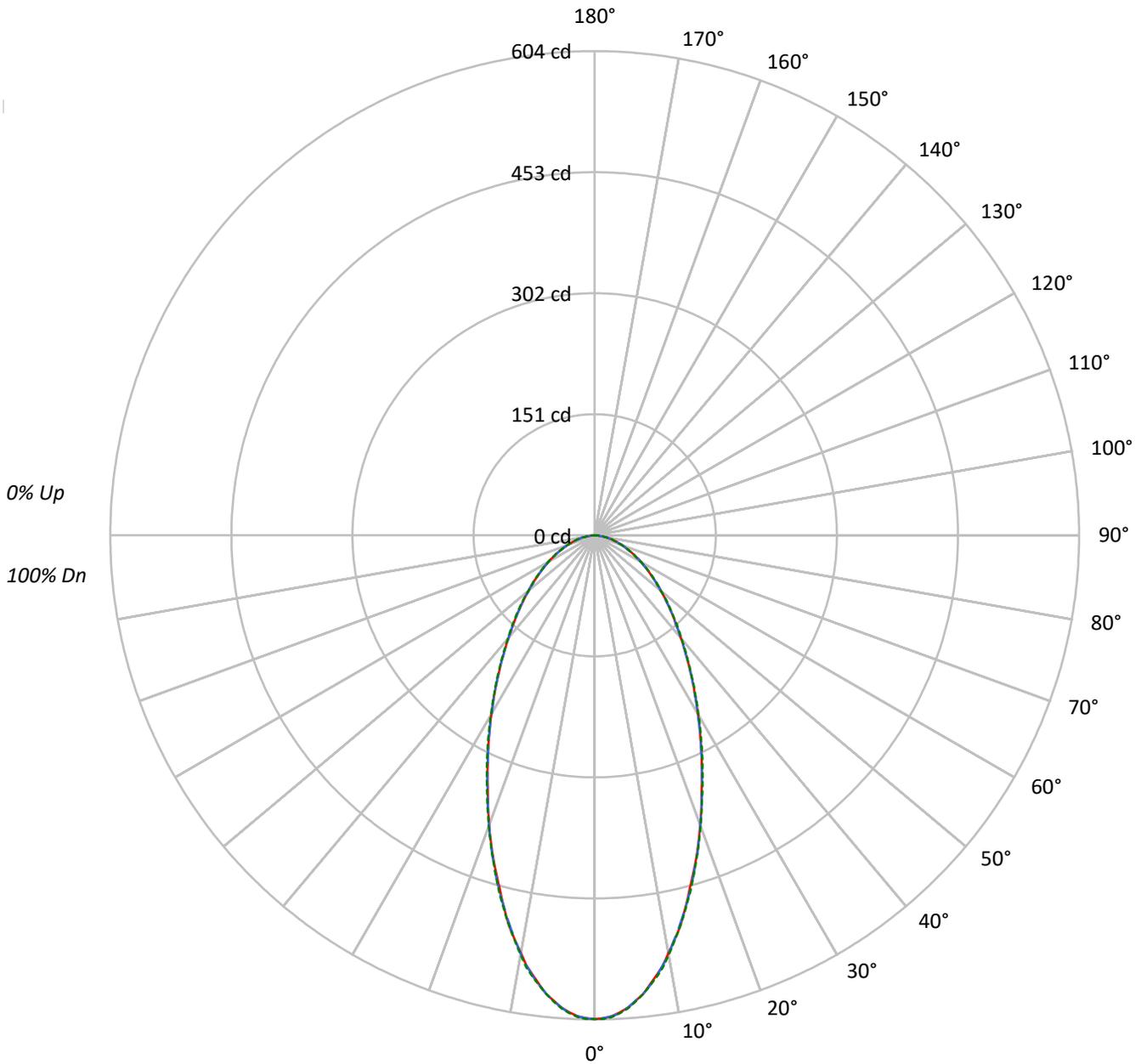
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 722.0 lumens
Efficiency: N/A
Efficacy: 34.1 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): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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	46
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°	103954	103954	103954
5°	100807	100807	100997
10°	92564	92739	92931
15°	81482	81874	82071
20°	70524	70524	70726
25°	60010	60010	60428
30°	51228	51009	51447
35°	43731	43731	43962
40°	37568	37568	37815
45°	32807	32807	33075
50°	28883	28883	28883
55°	25582	25582	25882
60°	23009	23009	23009
65°	20661	20661	20661
70°	18430	18430	18430
75°	16502	15770	16502
80°	13885	13885	13885
85°	8497	8497	10671

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 33075 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	7.5
10°-20°	127.8	17.7
20°-30°	145.5	20.2
30°-40°	130.7	18.1
40°-50°	104.7	14.5
50°-60°	76.9	10.7
60°-70°	50.3	7.0
70°-80°	26.1	3.6
80°-90°	6.0	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°	327.3	45.3
0°-40°	458.0	63.4
0°-60°	639.6	88.6
0°-90°	722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	722.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	604	604	604	604	604	
5°	583	583	583	583	584	54
15°	457	457	459	459	460	128
25°	316	316	316	317	318	145
35°	208	208	208	208	209	131
45°	135	135	135	135	136	104
55°	85	85	85	85	86	77
65°	51	50	51	51	51	50
75°	25	24	24	25	25	26
85°	4	4	4	5	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	603.6	603.6	603.6	603.6	603.6
1°	602.5	601.5	602.5	602.5	603.6
2°	600.4	600.4	600.4	599.3	601.5
3°	596.1	596.1	597.2	596.1	597.2
4°	590.7	590.7	590.7	589.6	591.8
5°	583.1	583.1	583.1	583.1	584.2
6°	575.6	574.5	575.6	574.5	575.6
7°	564.8	564.8	565.9	564.8	565.9
8°	554.0	553.0	555.1	554.0	556.2
9°	543.3	542.2	543.3	542.2	545.4
10°	529.3	530.3	530.3	530.3	531.4
12.5°	496.9	494.8	494.8	494.8	496.9
15°	457.0	457.0	459.2	459.2	460.3
17.5°	421.5	420.4	422.5	422.5	422.5
20°	384.8	383.7	384.8	384.8	385.9
22.5°	348.2	349.2	349.2	349.2	350.3
25°	315.8	315.8	315.8	316.9	318.0
27.5°	285.6	284.6	285.6	286.7	287.8
30°	257.6	256.5	256.5	257.6	258.7
32.5°	231.7	230.7	231.7	231.7	232.8
35°	208.0	208.0	208.0	208.0	209.1
37.5°	186.5	186.5	186.5	187.6	187.6
40°	167.1	167.1	167.1	168.2	168.2
42.5°	149.8	149.8	149.8	150.9	152.0
45°	134.7	134.7	134.7	134.7	135.8
47.5°	120.7	120.7	120.7	121.8	121.8
50°	107.8	106.7	107.8	108.9	107.8
52.5°	95.9	95.9	95.9	95.9	97.0
55°	85.2	85.2	85.2	85.2	86.2
57.5°	75.5	75.5	75.5	76.5	76.5
60°	66.8	66.8	66.8	66.8	66.8
62.5°	58.2	58.2	58.2	58.2	58.2
65°	50.7	49.6	50.7	50.7	50.7
67.5°	43.1	43.1	43.1	43.1	43.1
70°	36.6	36.6	36.6	36.6	36.6
72.5°	30.2	30.2	30.2	30.2	30.2
75°	24.8	23.7	23.7	24.8	24.8
77.5°	19.4	18.3	19.4	19.4	19.4
80°	14.0	14.0	14.0	14.0	14.0
82.5°	8.6	8.6	8.6	9.7	9.7
85°	4.3	4.3	4.3	5.4	5.4
87.5°	1.1	1.1	1.1	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)