

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: P1319514

Luminaire Tested: LDSQA3D20R259835D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R259835D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

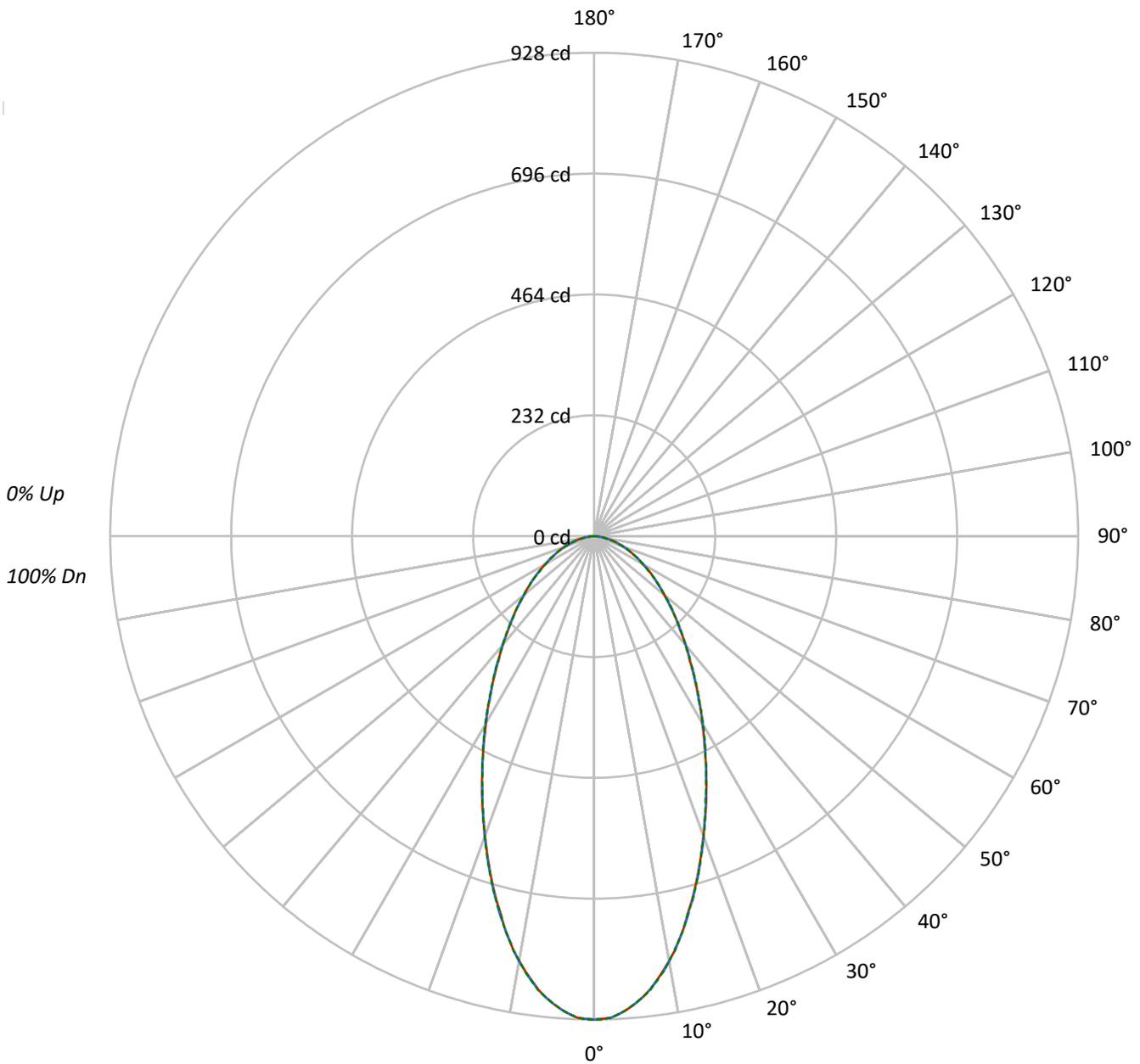
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1162.0 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

TEST NUMBER: P1319514
CATALOG NUMBER: LDSQA3D20R259835D010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1319514

CATALOG NUMBER: LDSQA3D20R259835D010 3LSQPHRLD1MW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	77	
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	68	
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	61	
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	55	
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	49	
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	45	
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	41	
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	38	
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	159840	159840	159840
5°	155765	155765	155765
10°	144748	145028	144748
15°	129088	129373	129373
20°	112238	112531	112238
25°	96667	96363	96363
30°	82450	82768	83086
35°	70747	70747	71084
40°	61309	61309	61309
45°	53607	53607	53607
50°	46995	46995	47424
55°	42127	42127	42127
60°	37338	37338	37338
65°	33783	33783	33783
70°	30515	29709	30515
75°	27615	26550	26550
80°	22117	22117	22117
85°	15808	15808	15808

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 53607 cd/sqm



TEST NUMBER: P1319514

CATALOG NUMBER: LDSQA3D20R259835D010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	7.2
10°-20°	202.0	17.4
20°-30°	233.5	20.1
30°-40°	211.6	18.2
40°-50°	170.6	14.7
50°-60°	125.6	10.8
60°-70°	82.7	7.1
70°-80°	42.7	3.7
80°-90°	9.7	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°	519.2	44.7
0°-40°	730.8	62.9
0°-60°	1027.0	88.4
0°-90°	1162.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1162.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	928	928	928	928	928	
5°	901	904	901	901	901	84
15°	724	726	726	724	726	202
25°	509	507	507	509	507	234
35°	336	336	336	336	338	211
45°	220	220	220	220	220	171
55°	140	140	140	139	140	126
65°	83	83	83	83	83	83
75°	42	40	40	40	40	43
85°	8	8	8	8	8	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	928.1	928.1	928.1	928.1	928.1
1°	926.5	929.7	926.5	926.5	928.1
2°	924.9	926.5	924.9	924.9	924.9
3°	918.6	921.8	918.6	918.6	918.6
4°	910.6	913.8	910.6	910.6	910.6
5°	901.0	904.2	901.0	901.0	901.0
6°	889.9	891.5	889.9	889.9	889.9
7°	877.1	878.7	877.1	877.1	878.7
8°	861.2	862.7	862.7	861.2	861.2
9°	845.2	846.8	846.8	845.2	846.8
10°	827.7	829.3	829.3	827.7	827.7
11°	810.1	811.7	808.5	808.5	810.1
12°	789.4	791.0	789.4	789.4	789.4
13°	768.7	768.7	768.7	768.7	768.7
14°	744.7	747.9	747.9	746.3	744.7
15°	724.0	725.6	725.6	724.0	725.6
17.5°	668.2	671.4	669.8	669.8	669.8
20°	612.4	614.0	614.0	612.4	612.4
22.5°	559.8	558.2	558.2	558.2	558.2
25°	508.7	507.1	507.1	508.7	507.1
27.5°	459.3	460.9	460.9	459.3	460.9
30°	414.6	414.6	416.2	414.6	417.8
32.5°	374.8	374.8	373.2	374.8	374.8
35°	336.5	336.5	336.5	336.5	338.1
37.5°	301.4	303.0	304.6	304.6	303.0
40°	272.7	272.7	272.7	272.7	272.7
42.5°	244.0	244.0	245.6	245.6	245.6
45°	220.1	220.1	220.1	220.1	220.1
47.5°	197.7	197.7	196.2	196.2	197.7
50°	175.4	177.0	175.4	175.4	177.0
52.5°	157.9	156.3	156.3	157.9	157.9
55°	140.3	140.3	140.3	138.7	140.3
57.5°	124.4	124.4	122.8	122.8	122.8
60°	108.4	108.4	108.4	108.4	108.4
62.5°	95.7	95.7	95.7	95.7	95.7
65°	82.9	82.9	82.9	82.9	82.9
67.5°	71.8	71.8	71.8	71.8	70.2
70°	60.6	60.6	59.0	59.0	60.6
72.5°	49.4	49.4	49.4	49.4	49.4
75°	41.5	39.9	39.9	39.9	39.9
77.5°	31.9	31.9	30.3	31.9	30.3
80°	22.3	22.3	22.3	22.3	22.3
82.5°	15.9	14.4	14.4	14.4	14.4
85°	8.0	8.0	8.0	8.0	8.0
87.5°	1.6	1.6	1.6	1.6	3.2



TEST NUMBER: P1319514
CATALOG NUMBER: LDSQA3D20R259835D010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)