

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: P1314925

Luminaire Tested: LDSQA3D20R209730D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314925
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: LDSQA3D20R209730D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

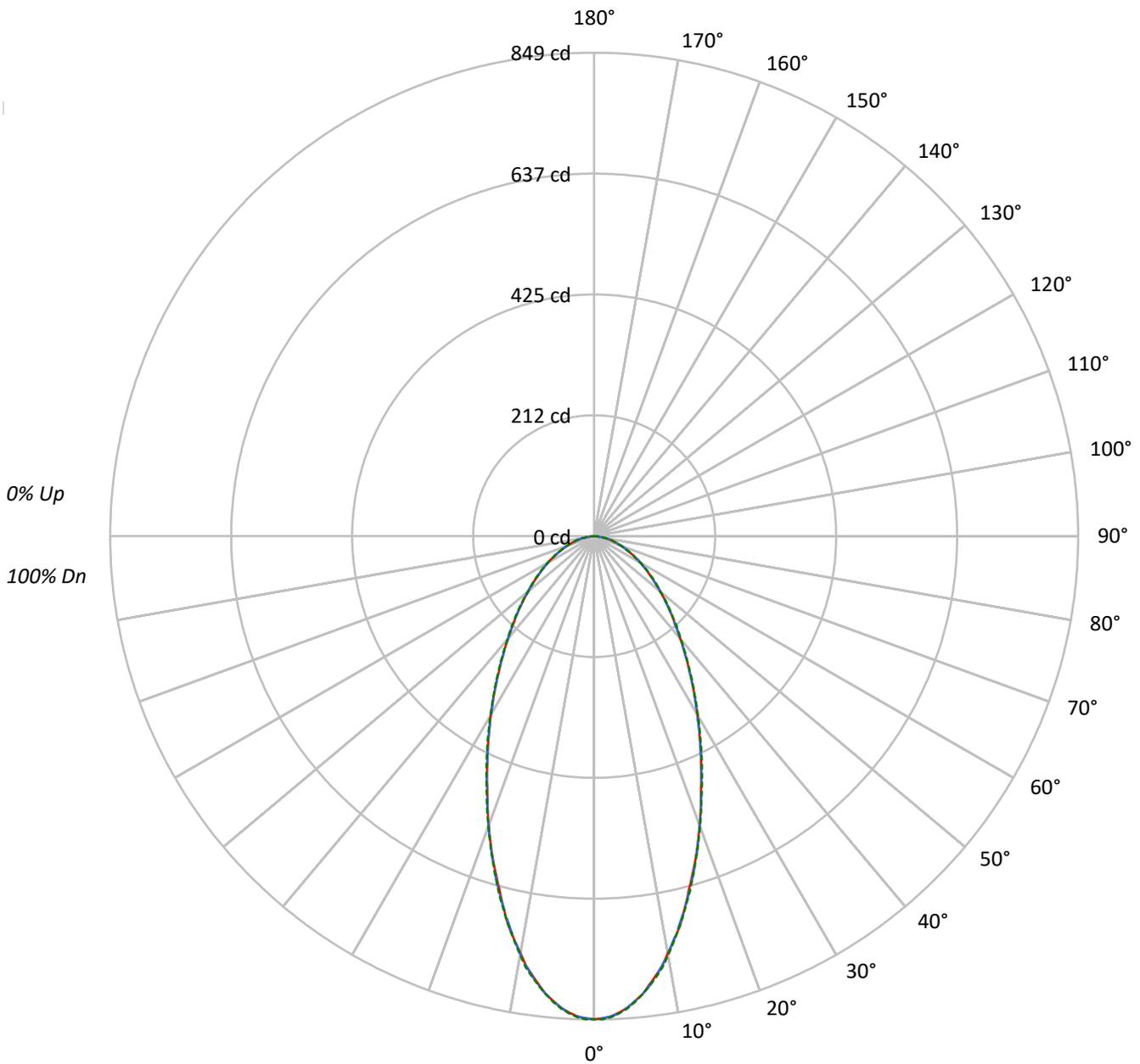
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1015.0 lumens
Efficiency: N/A
Efficacy: 35.2 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): 28.8
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

TEST NUMBER: P1314925
CATALOG NUMBER: LDSQA3D20R209730D010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1314925
 CATALOG NUMBER: LDSQA3D20R209730D010 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	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	77	
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	68	
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	61	
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	55	
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	50	
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	46	
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	42	
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	39	
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	146148	146148	146148
5°	141727	141727	141987
10°	130110	130373	130652
15°	114556	115091	115359
20°	99152	99152	99427
25°	84372	84372	84942
30°	72029	71711	72327
35°	61497	61497	61812
40°	52810	52810	53148
45°	46130	46130	46496
50°	40592	40592	40592
55°	35941	35941	36392
60°	32378	32378	32378
65°	29015	29015	29015
70°	25933	25933	25933
75°	23223	22158	23223
80°	19538	19538	19538
85°	12054	12054	15018

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 46496 cd/sqm



TEST NUMBER: P1314925

CATALOG NUMBER: LDSQA3D20R209730D010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	7.5
10°-20°	179.7	17.7
20°-30°	204.6	20.2
30°-40°	183.7	18.1
40°-50°	147.2	14.5
50°-60°	108.2	10.7
60°-70°	70.7	7.0
70°-80°	36.6	3.6
80°-90°	8.5	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°	460.1	45.3
0°-40°	643.8	63.4
0°-60°	899.2	88.6
0°-90°	1015.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	849	849	849	849	849	
5°	820	820	820	820	821	76
15°	642	642	646	646	647	180
25°	444	444	444	446	447	204
35°	292	292	292	292	294	184
45°	189	189	189	189	191	147
55°	120	120	120	120	121	108
65°	71	70	71	71	71	71
75°	35	33	33	35	35	37
85°	6	6	6	8	8	8
90°	0	0	0	0	0	



TEST NUMBER: P1314925

CATALOG NUMBER: LDSQA3D20R209730D010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	848.6	848.6	848.6	848.6	848.6
1°	847.1	845.6	847.1	847.1	848.6
2°	844.0	844.0	844.0	842.5	845.6
3°	838.0	838.0	839.5	838.0	839.5
4°	830.4	830.4	830.4	828.9	831.9
5°	819.8	819.8	819.8	819.8	821.3
6°	809.2	807.7	809.2	807.7	809.2
7°	794.0	794.0	795.6	794.0	795.6
8°	778.9	777.4	780.4	778.9	781.9
9°	763.7	762.2	763.7	762.2	766.8
10°	744.0	745.5	745.5	745.5	747.1
12.5°	698.6	695.5	695.5	695.5	698.6
15°	642.5	642.5	645.5	645.5	647.0
17.5°	592.5	591.0	594.0	594.0	594.0
20°	541.0	539.5	541.0	541.0	542.5
22.5°	489.5	491.0	491.0	491.0	492.5
25°	444.0	444.0	444.0	445.5	447.0
27.5°	401.6	400.0	401.6	403.1	404.6
30°	362.2	360.6	360.6	362.2	363.7
32.5°	325.8	324.3	325.8	325.8	327.3
35°	292.5	292.5	292.5	292.5	294.0
37.5°	262.2	262.2	262.2	263.7	263.7
40°	234.9	234.9	234.9	236.4	236.4
42.5°	210.6	210.6	210.6	212.1	213.7
45°	189.4	189.4	189.4	189.4	190.9
47.5°	169.7	169.7	169.7	171.2	171.2
50°	151.5	150.0	151.5	153.0	151.5
52.5°	134.9	134.9	134.9	134.9	136.4
55°	119.7	119.7	119.7	119.7	121.2
57.5°	106.1	106.1	106.1	107.6	107.6
60°	94.0	94.0	94.0	94.0	94.0
62.5°	81.8	81.8	81.8	81.8	81.8
65°	71.2	69.7	71.2	71.2	71.2
67.5°	60.6	60.6	60.6	60.6	60.6
70°	51.5	51.5	51.5	51.5	51.5
72.5°	42.4	42.4	42.4	42.4	42.4
75°	34.9	33.3	33.3	34.9	34.9
77.5°	27.3	25.8	27.3	27.3	27.3
80°	19.7	19.7	19.7	19.7	19.7
82.5°	12.1	12.1	12.1	13.6	13.6
85°	6.1	6.1	6.1	7.6	7.6
87.5°	1.5	1.5	1.5	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)