

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: P1308258

Luminaire Tested: LDSQA3D17R209027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308258
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: LDSQA3D17R209027DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

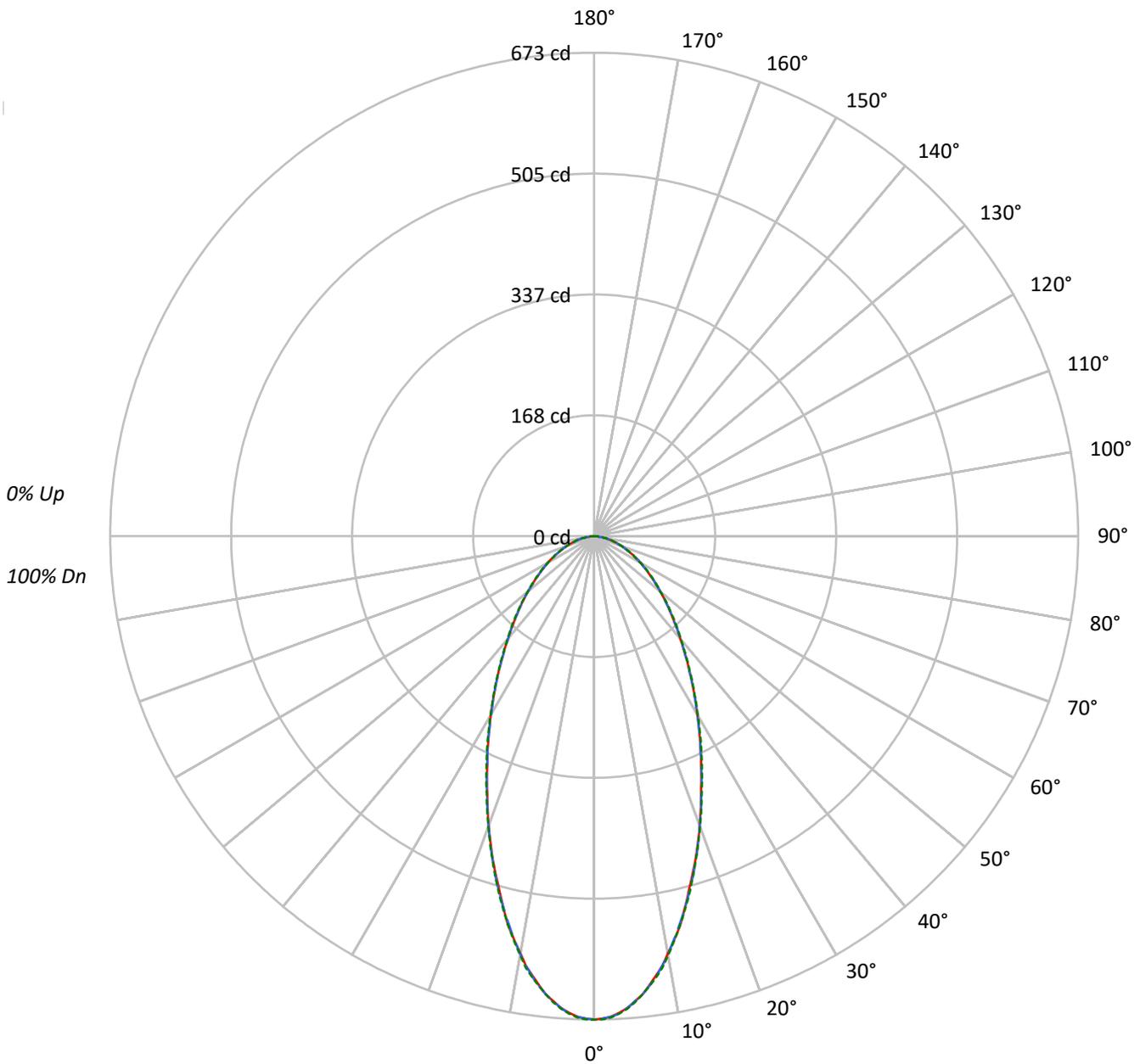
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 805.0 lumens
Efficiency: N/A
Efficacy: 38.0 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

TEST NUMBER: P1308258
CATALOG NUMBER: LDSQA3D17R209027DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270°



TEST NUMBER: P1308258

CATALOG NUMBER: LDSQA3D17R209027DE010 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	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°	115906	115906	115906
5°	112407	112407	112614
10°	103196	103406	103616
15°	90861	91289	91503
20°	78625	78625	78863
25°	66908	66908	67364
30°	57114	56876	57353
35°	48777	48777	49029
40°	41884	41884	42154
45°	36583	36583	36875
50°	32205	32205	32205
55°	28495	28495	28855
60°	25661	25661	25661
65°	23025	23025	23025
70°	20595	20595	20595
75°	18366	17567	18366
80°	15472	15472	15472
85°	9485	9485	11856

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 36875 cd/sqm



TEST NUMBER: P1308258

CATALOG NUMBER: LDSQA3D17R209027DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	7.5
10°-20°	142.5	17.7
20°-30°	162.2	20.2
30°-40°	145.7	18.1
40°-50°	116.7	14.5
50°-60°	85.8	10.7
60°-70°	56.1	7.0
70°-80°	29.1	3.6
80°-90°	6.7	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°	364.9	45.3
0°-40°	510.6	63.4
0°-60°	713.1	88.6
0°-90°	805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	805.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	673	673	673	673	673	
5°	650	650	650	650	651	60
15°	510	510	512	512	513	142
25°	352	352	352	353	354	162
35°	232	232	232	232	233	146
45°	150	150	150	150	151	116
55°	95	95	95	95	96	86
65°	56	55	56	56	56	56
75°	28	26	26	28	28	29
85°	5	5	5	6	6	6
90°	0	0	0	0	0	



TEST NUMBER: P1308258

CATALOG NUMBER: LDSQA3D17R209027DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	673.0	673.0	673.0	673.0	673.0
1°	671.8	670.6	671.8	671.8	673.0
2°	669.4	669.4	669.4	668.2	670.6
3°	664.6	664.6	665.8	664.6	665.8
4°	658.6	658.6	658.6	657.4	659.8
5°	650.2	650.2	650.2	650.2	651.4
6°	641.8	640.6	641.8	640.6	641.8
7°	629.8	629.8	631.0	629.8	631.0
8°	617.7	616.5	618.9	617.7	620.1
9°	605.7	604.5	605.7	604.5	608.1
10°	590.1	591.3	591.3	591.3	592.5
12.5°	554.0	551.6	551.6	551.6	554.0
15°	509.6	509.6	512.0	512.0	513.2
17.5°	469.9	468.7	471.1	471.1	471.1
20°	429.0	427.8	429.0	429.0	430.3
22.5°	388.2	389.4	389.4	389.4	390.6
25°	352.1	352.1	352.1	353.3	354.5
27.5°	318.5	317.3	318.5	319.7	320.9
30°	287.2	286.0	286.0	287.2	288.4
32.5°	258.4	257.2	258.4	258.4	259.6
35°	232.0	232.0	232.0	232.0	233.2
37.5°	207.9	207.9	207.9	209.1	209.1
40°	186.3	186.3	186.3	187.5	187.5
42.5°	167.1	167.1	167.1	168.3	169.5
45°	150.2	150.2	150.2	150.2	151.4
47.5°	134.6	134.6	134.6	135.8	135.8
50°	120.2	119.0	120.2	121.4	120.2
52.5°	107.0	107.0	107.0	107.0	108.2
55°	94.9	94.9	94.9	94.9	96.1
57.5°	84.1	84.1	84.1	85.3	85.3
60°	74.5	74.5	74.5	74.5	74.5
62.5°	64.9	64.9	64.9	64.9	64.9
65°	56.5	55.3	56.5	56.5	56.5
67.5°	48.1	48.1	48.1	48.1	48.1
70°	40.9	40.9	40.9	40.9	40.9
72.5°	33.7	33.7	33.7	33.7	33.7
75°	27.6	26.4	26.4	27.6	27.6
77.5°	21.6	20.4	21.6	21.6	21.6
80°	15.6	15.6	15.6	15.6	15.6
82.5°	9.6	9.6	9.6	10.8	10.8
85°	4.8	4.8	4.8	6.0	6.0
87.5°	1.2	1.2	1.2	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)