

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P839480

Luminaire Tested: **LD6C20D010 EU6209050 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20D010 EU6209050 6LCSQWLI
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

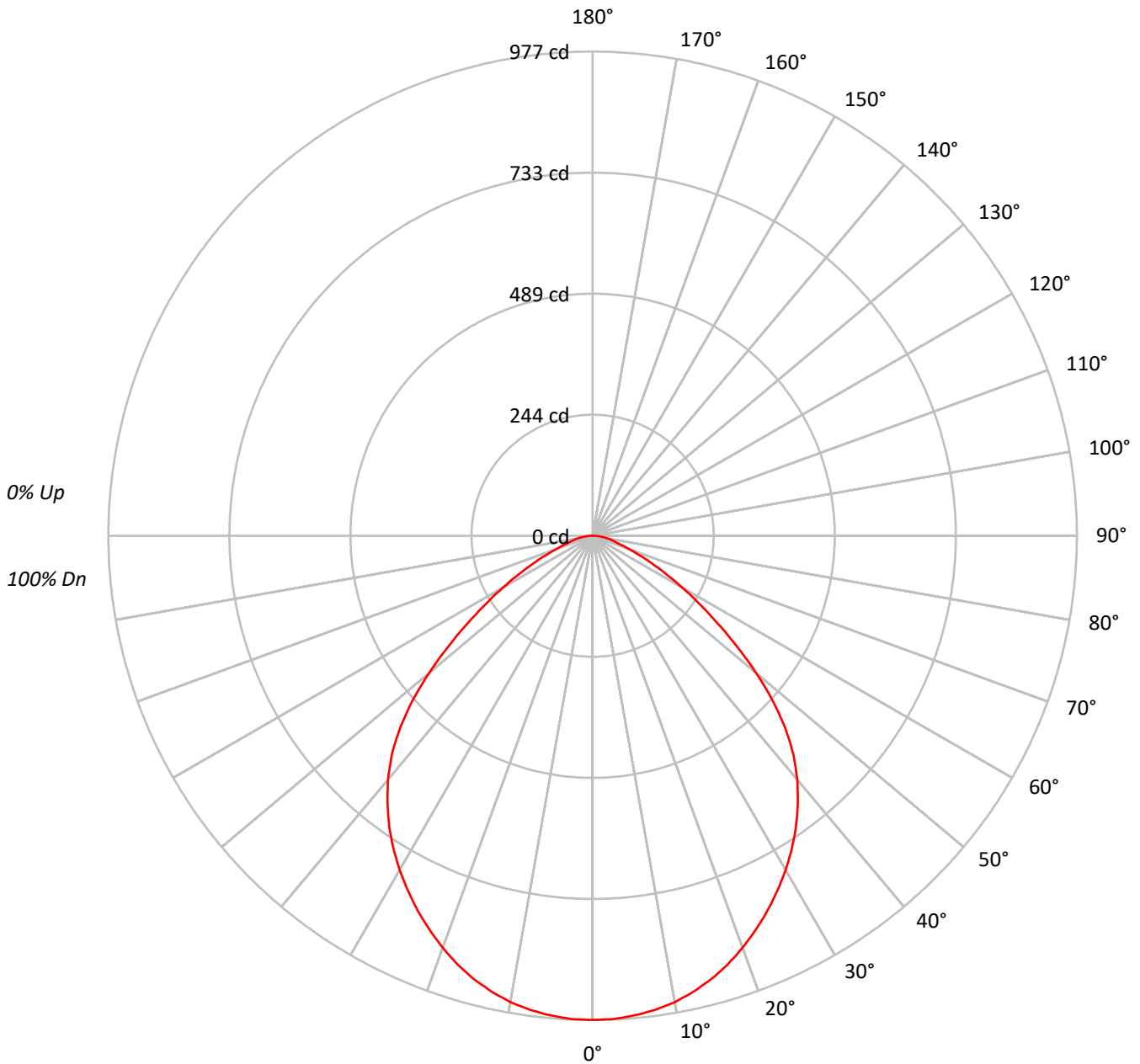
Lumens per Lamp: N/A
Luminaire Lumens: 2082.9 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V):
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: 25 FT



TEST NUMBER: P839480
CATALOG NUMBER: LD6C20D010 EU6209050 6LCSQWLI

Luminous Intensity Polar Plot





TEST NUMBER: P839480

CATALOG NUMBER: LD6C20D010 EU6209050 6LCSQWLI

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	100			100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42061
5°	41993
10°	41766
15°	41280
20°	40531
25°	39654
30°	38709
35°	37608
40°	36089
45°	33477
50°	28843
55°	23007
60°	17911
65°	13407
70°	9731
75°	7719
80°	7215
85°	7213



TEST NUMBER: P839480

CATALOG NUMBER: LD6C20D010 EU6209050 6LCSQWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	4.4
10°-20°	260.8	12.5
20°-30°	384.4	18.5
30°-40°	446.5	21.4
40°-50°	419.7	20.1
50°-60°	277.8	13.3
60°-70°	133.9	6.4
70°-80°	51.6	2.5
80°-90°	16.1	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°	737.4	35.4
0°-40°	1183.9	56.8
0°-60°	1881.4	90.3
0°-90°	2082.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2082.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	977	
5°	972	92
15°	926	261
25°	835	384
35°	716	446
45°	550	420
55°	306	278
65°	132	134
75°	46	52
85°	15	16
90°	0	



TEST NUMBER: P839480

CATALOG NUMBER: LD6C20D010 EU6209050 6LCSQWLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	976.9
2.5°	976.0
5°	971.6
7.5°	965.0
10°	955.3
12.5°	942.0
15°	926.1
17.5°	906.7
20°	884.6
22.5°	860.3
25°	834.7
27.5°	807.3
30°	778.6
32.5°	748.1
35°	715.5
37.5°	679.7
40°	642.1
42.5°	599.7
45°	549.8
47.5°	493.3
50°	430.6
52.5°	367.0
55°	306.5
57.5°	254.4
60°	208.0
62.5°	166.5
65°	131.6
67.5°	102.0
70°	77.3
72.5°	58.7
75°	46.4
77.5°	37.5
80°	29.1
82.5°	21.6
85°	14.6
87.5°	8.4
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)