

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: P839459

Luminaire Tested: **LD6C120D010 EU61209040 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839459  
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: LD6C120D010 EU61209040 6LCSQWLI  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

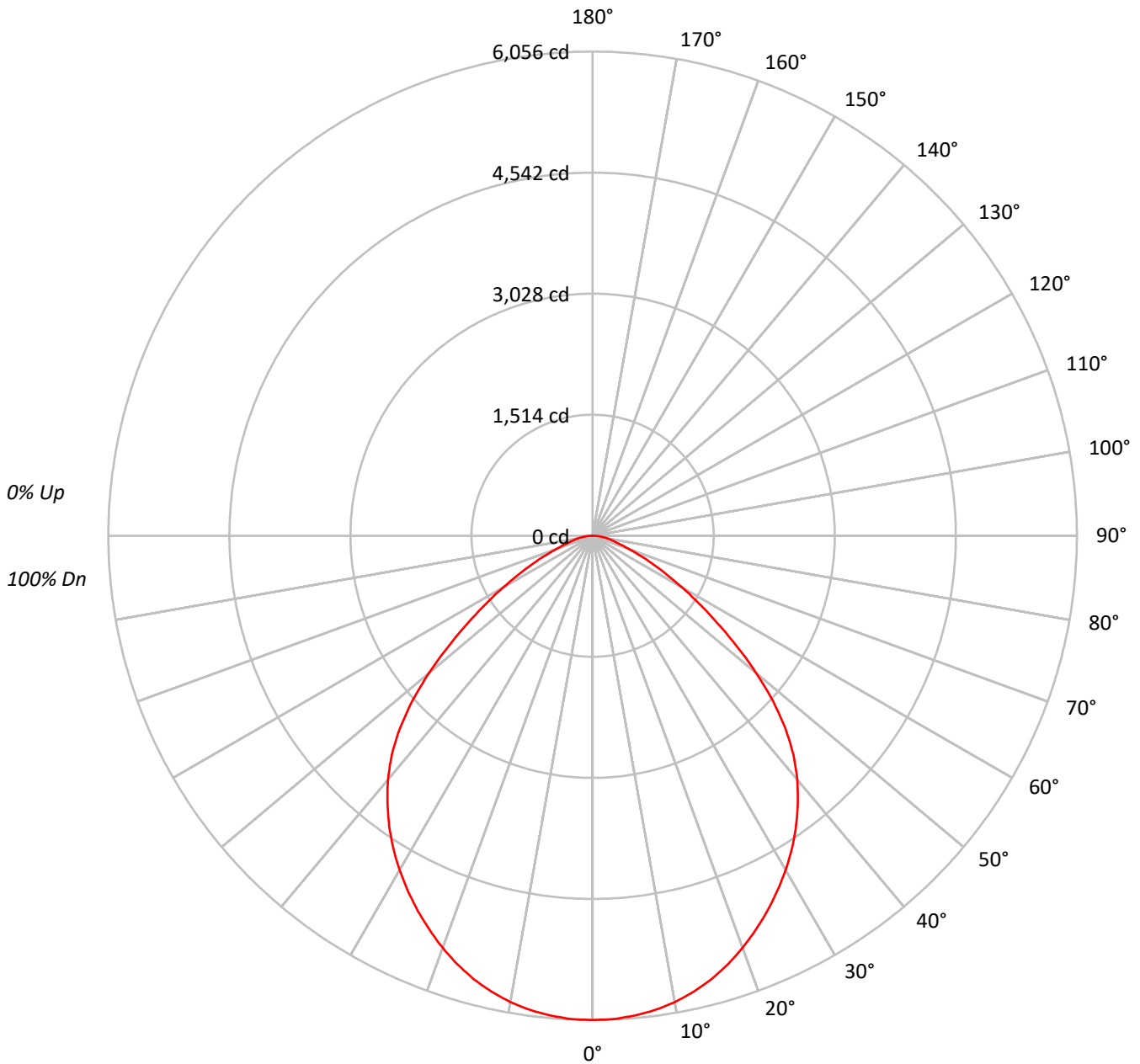
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12914.0 lumens  
Efficiency: N/A  
Efficacy: 90.8 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): 142.3  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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

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### Luminous Intensity Polar Plot





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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	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°	260767
5°	260345
10°	258927
15°	255933
20°	251284
25°	245842
30°	239986
35°	233141
40°	223758
45°	207561
50°	178817
55°	142639
60°	111049
65°	83123
70°	60325
75°	47827
80°	44804
85°	44658



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	571.8	4.4
10°-20°	1617.0	12.5
20°-30°	2382.9	18.5
30°-40°	2768.1	21.4
40°-50°	2602.0	20.1
50°-60°	1722.4	13.3
60°-70°	829.9	6.4
70°-80°	320.1	2.5
80°-90°	99.9	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°	4571.7	35.4
0°-40°	7339.8	56.8
0°-60°	11664.1	90.3
0°-90°	12914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12914.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6056	
5°	6024	572
15°	5742	1617
25°	5175	2383
35°	4436	2768
45°	3409	2602
55°	1900	1722
65°	816	830
75°	288	320
85°	90	100
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6056.5
2.5°	6051.0
5°	6023.7
7.5°	5982.6
10°	5922.4
12.5°	5840.2
15°	5741.7
17.5°	5621.2
20°	5484.3
22.5°	5333.7
25°	5174.9
27.5°	5005.1
30°	4827.1
32.5°	4638.2
35°	4435.6
37.5°	4213.8
40°	3981.1
42.5°	3718.2
45°	3408.8
47.5°	3058.4
50°	2669.6
52.5°	2275.3
55°	1900.2
57.5°	1577.1
60°	1289.6
62.5°	1032.2
65°	815.9
67.5°	632.5
70°	479.2
72.5°	364.2
75°	287.5
77.5°	232.7
80°	180.7
82.5°	134.2
85°	90.4
87.5°	52.0
90°	0.0



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— 0°-180°







(END OF REPORT)