

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: P839543

Luminaire Tested: **LD6C90D010 EU6909035 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839543  
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: LD6C90D010 EU6909035 6LCSQWLI  
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

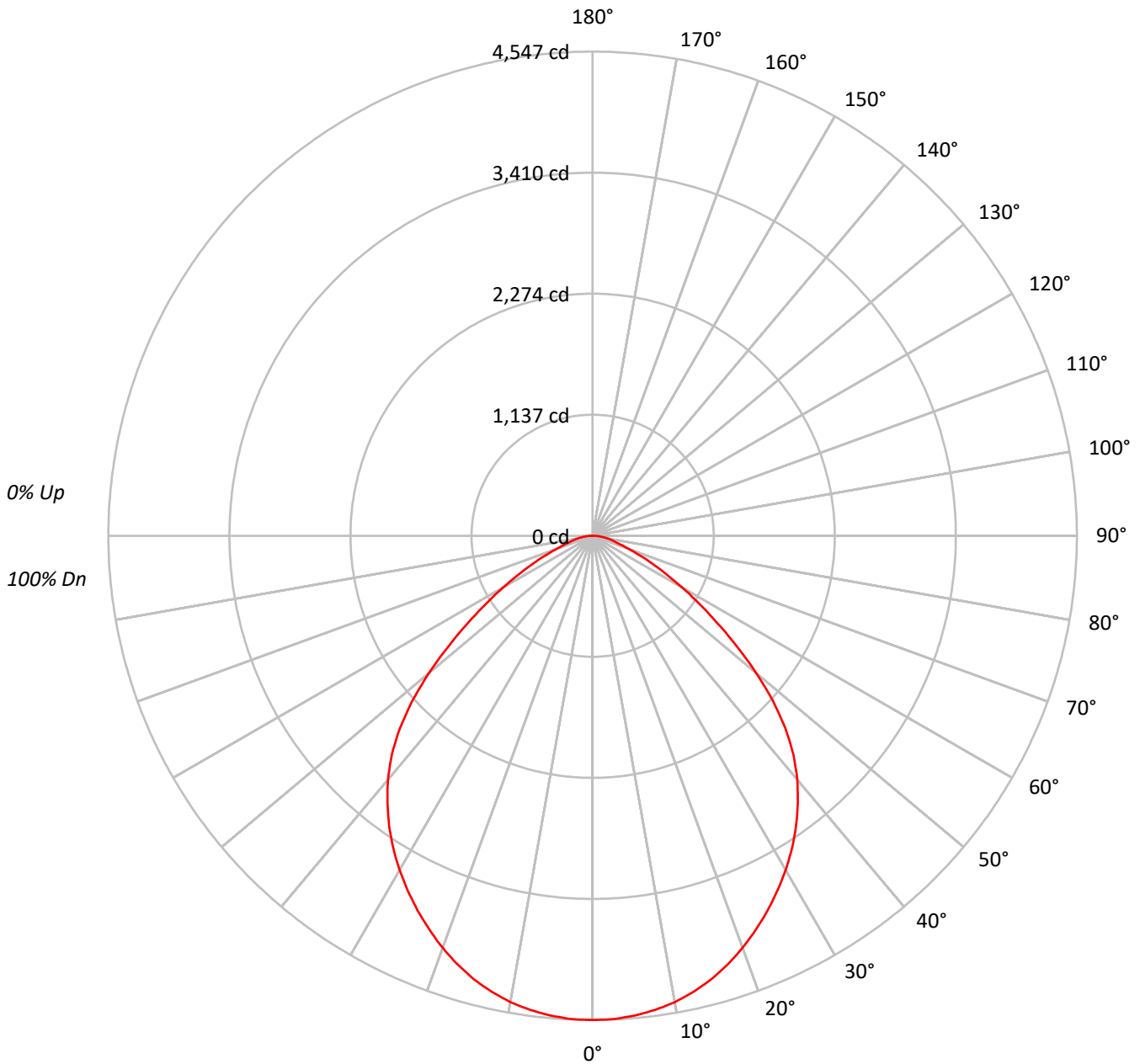
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9696.0 lumens  
Efficiency: N/A  
Efficacy: 99.9 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): 97.1  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88		
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66		
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51		
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46		
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41		
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37		
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33		
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30		

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	195787
5°	195467
10°	194405
15°	192156
20°	188668
25°	184582
30°	180187
35°	175045
40°	168003
45°	155842
50°	134260
55°	107096
60°	83382
65°	62411
70°	45294
75°	35916
80°	33646
85°	33494



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	429.3	4.4
10°-20°	1214.1	12.5
20°-30°	1789.1	18.5
30°-40°	2078.3	21.4
40°-50°	1953.6	20.1
50°-60°	1293.2	13.3
60°-70°	623.1	6.4
70°-80°	240.3	2.5
80°-90°	75.0	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°	3432.5	35.4
0°-40°	5510.8	56.8
0°-60°	8757.6	90.3
0°-90°	9696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9696.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4547	
5°	4523	429
15°	4311	1214
25°	3885	1789
35°	3330	2078
45°	2559	1954
55°	1427	1293
65°	613	623
75°	216	240
85°	68	75
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4547.3
2.5°	4543.2
5°	4522.6
7.5°	4491.8
10°	4446.6
12.5°	4384.9
15°	4310.9
17.5°	4220.5
20°	4117.7
22.5°	4004.6
25°	3885.4
27.5°	3757.9
30°	3624.3
32.5°	3482.4
35°	3330.3
37.5°	3163.8
40°	2989.1
42.5°	2791.7
45°	2559.4
47.5°	2296.3
50°	2004.4
52.5°	1708.3
55°	1426.7
57.5°	1184.1
60°	968.3
62.5°	775.0
65°	612.6
67.5°	474.9
70°	359.8
72.5°	273.4
75°	215.9
77.5°	174.7
80°	135.7
82.5°	100.7
85°	67.8
87.5°	39.1
90°	0.0



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— 0°-180°







(END OF REPORT)