

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: P839489

Luminaire Tested: **LD6C30D010 EU6309040 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839489  
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: LD6C30D010 EU6309040 6LCSQWLI  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

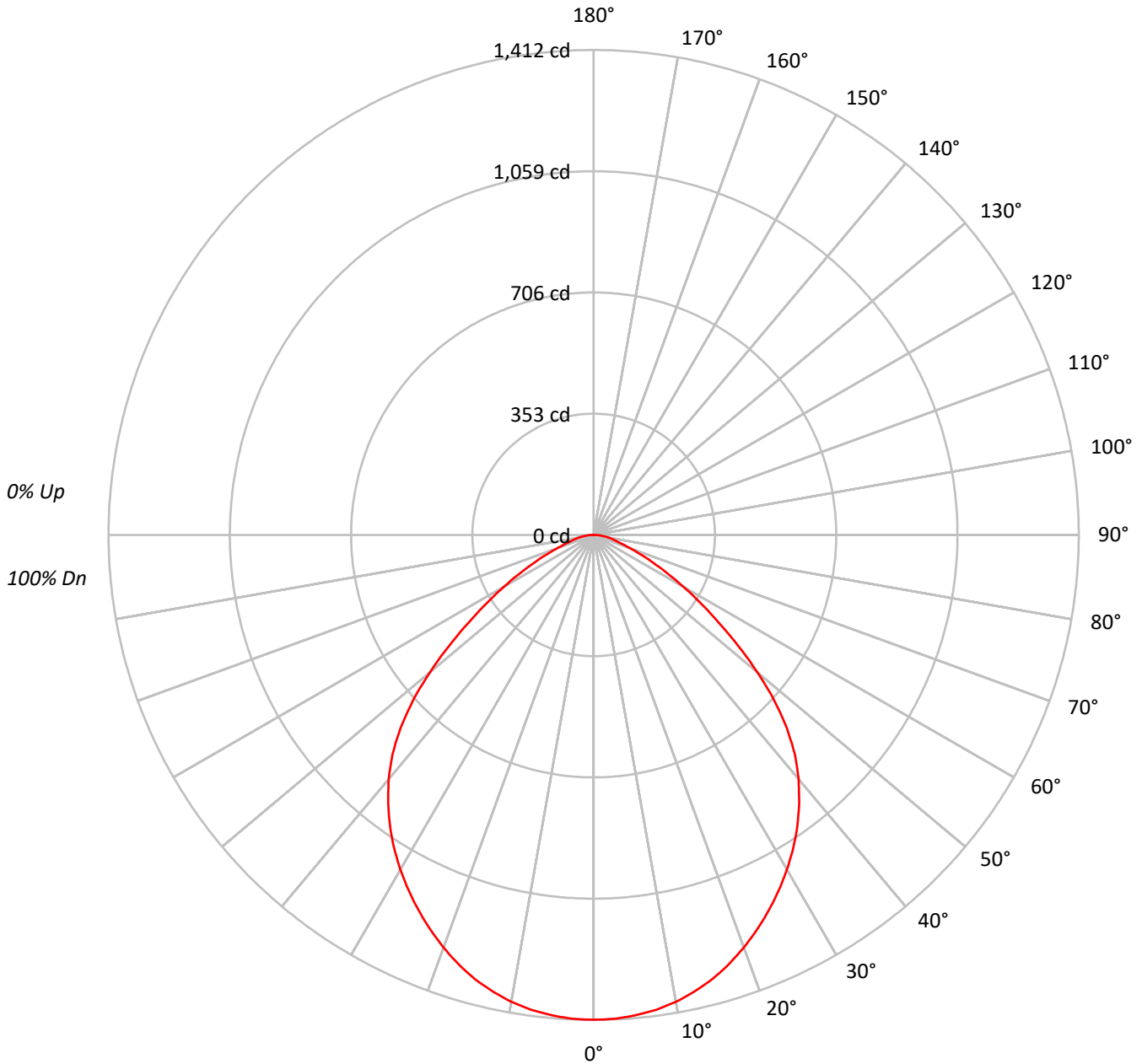
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3010.0 lumens  
Efficiency: N/A  
Efficacy: 95.3 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): 31.6  
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									
RC	80									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																			
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°	60782
5°	60681
10°	60351
15°	59654
20°	58570
25°	57303
30°	55936
35°	54343
40°	52153
45°	48377
50°	41677
55°	33246
60°	25885
65°	19377
70°	14062
75°	11146
80°	10439
85°	10424



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.3	4.4
10°-20°	376.9	12.5
20°-30°	555.4	18.5
30°-40°	645.2	21.4
40°-50°	606.5	20.1
50°-60°	401.4	13.3
60°-70°	193.4	6.4
70°-80°	74.6	2.5
80°-90°	23.3	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°	1065.6	35.4
0°-40°	1710.8	56.8
0°-60°	2718.7	90.3
0°-90°	3010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3010.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1412	
5°	1404	133
15°	1338	377
25°	1206	555
35°	1034	645
45°	794	606
55°	443	401
65°	190	193
75°	67	75
85°	21	23
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1411.7
2.5°	1410.4
5°	1404.0
7.5°	1394.4
10°	1380.4
12.5°	1361.2
15°	1338.3
17.5°	1310.2
20°	1278.3
22.5°	1243.2
25°	1206.2
27.5°	1166.6
30°	1125.1
32.5°	1081.1
35°	1033.9
37.5°	982.2
40°	927.9
42.5°	866.7
45°	794.5
47.5°	712.8
50°	622.2
52.5°	530.3
55°	442.9
57.5°	367.6
60°	300.6
62.5°	240.6
65°	190.2
67.5°	147.4
70°	111.7
72.5°	84.9
75°	67.0
77.5°	54.2
80°	42.1
82.5°	31.3
85°	21.1
87.5°	12.1
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)