

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: P839478

Luminaire Tested: **LD6C20D010 EU6209035 6LCSQWLI**

Issue Date: 6/29/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P839478  
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 EU6209035 6LCSQWLI  
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

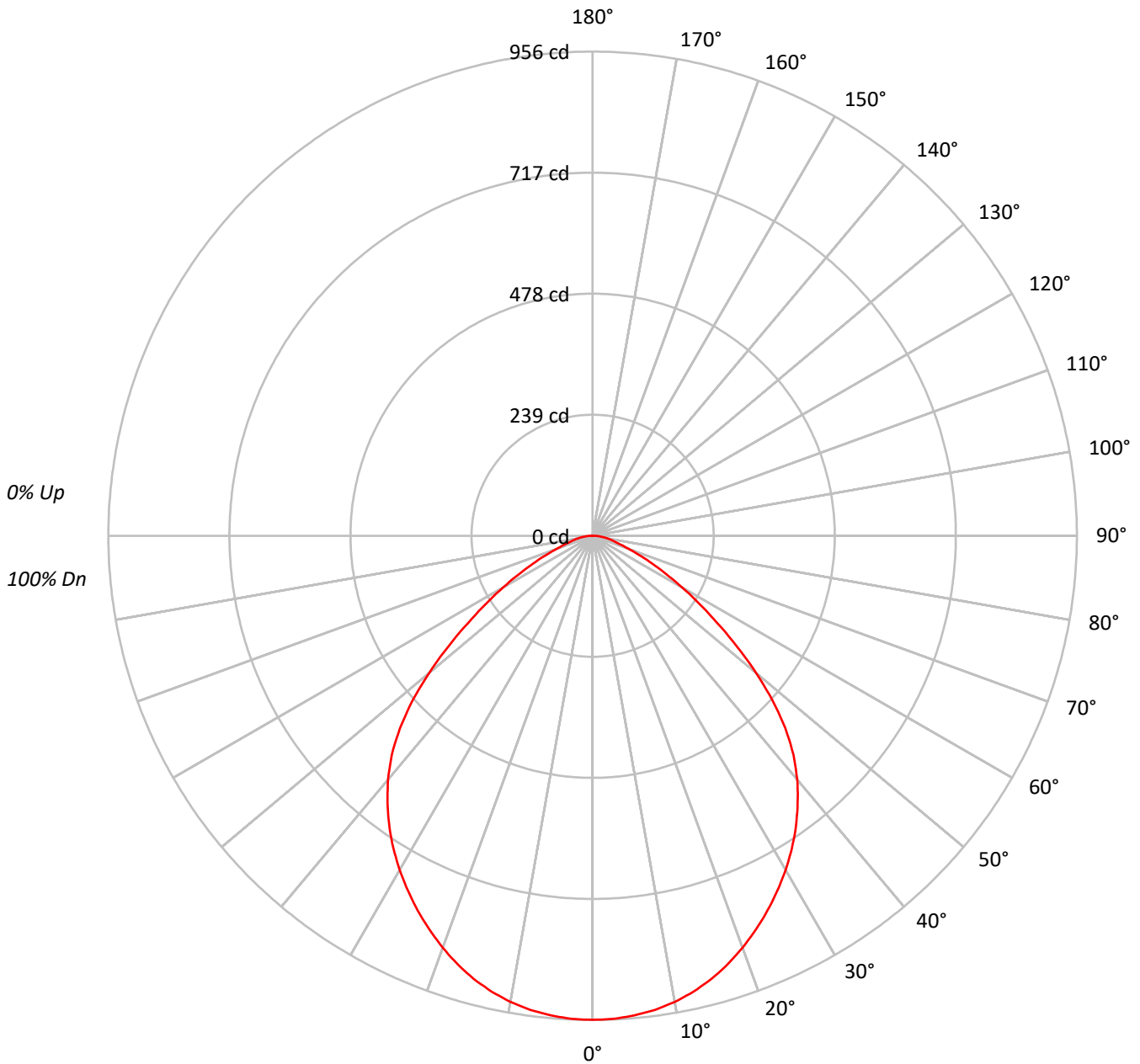
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2038.1 lumens  
Efficiency: N/A  
Efficacy: 93.5 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<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°	41153
5°	41085
10°	40861
15°	40389
20°	39656
25°	38799
30°	37874
35°	36793
40°	35314
45°	32759
50°	28220
55°	22512
60°	17524
65°	13122
70°	9517
75°	7552
80°	7067
85°	7064



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.2	4.4
10°-20°	255.2	12.5
20°-30°	376.1	18.5
30°-40°	436.9	21.4
40°-50°	410.6	20.1
50°-60°	271.8	13.3
60°-70°	131.0	6.4
70°-80°	50.5	2.5
80°-90°	15.8	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°	721.5	35.4
0°-40°	1158.3	56.8
0°-60°	1840.8	90.3
0°-90°	2038.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2038.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	956	
5°	951	90
15°	906	255
25°	817	376
35°	700	437
45°	538	411
55°	300	272
65°	129	131
75°	45	51
85°	14	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	955.8
2.5°	954.9
5°	950.6
7.5°	944.1
10°	934.6
12.5°	921.7
15°	906.1
17.5°	887.1
20°	865.5
22.5°	841.7
25°	816.7
27.5°	789.9
30°	761.8
32.5°	732.0
35°	700.0
37.5°	665.0
40°	628.3
42.5°	586.8
45°	538.0
47.5°	482.7
50°	421.3
52.5°	359.1
55°	299.9
57.5°	248.9
60°	203.5
62.5°	162.9
65°	128.8
67.5°	99.8
70°	75.6
72.5°	57.5
75°	45.4
77.5°	36.7
80°	28.5
82.5°	21.2
85°	14.3
87.5°	8.2
90°	0.0



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— 0°-180°







(END OF REPORT)