

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: P684699

Luminaire Tested: **LX6C90D010 EX6C909040 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684699  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C90D010 EX6C909040 6LBMDH  
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

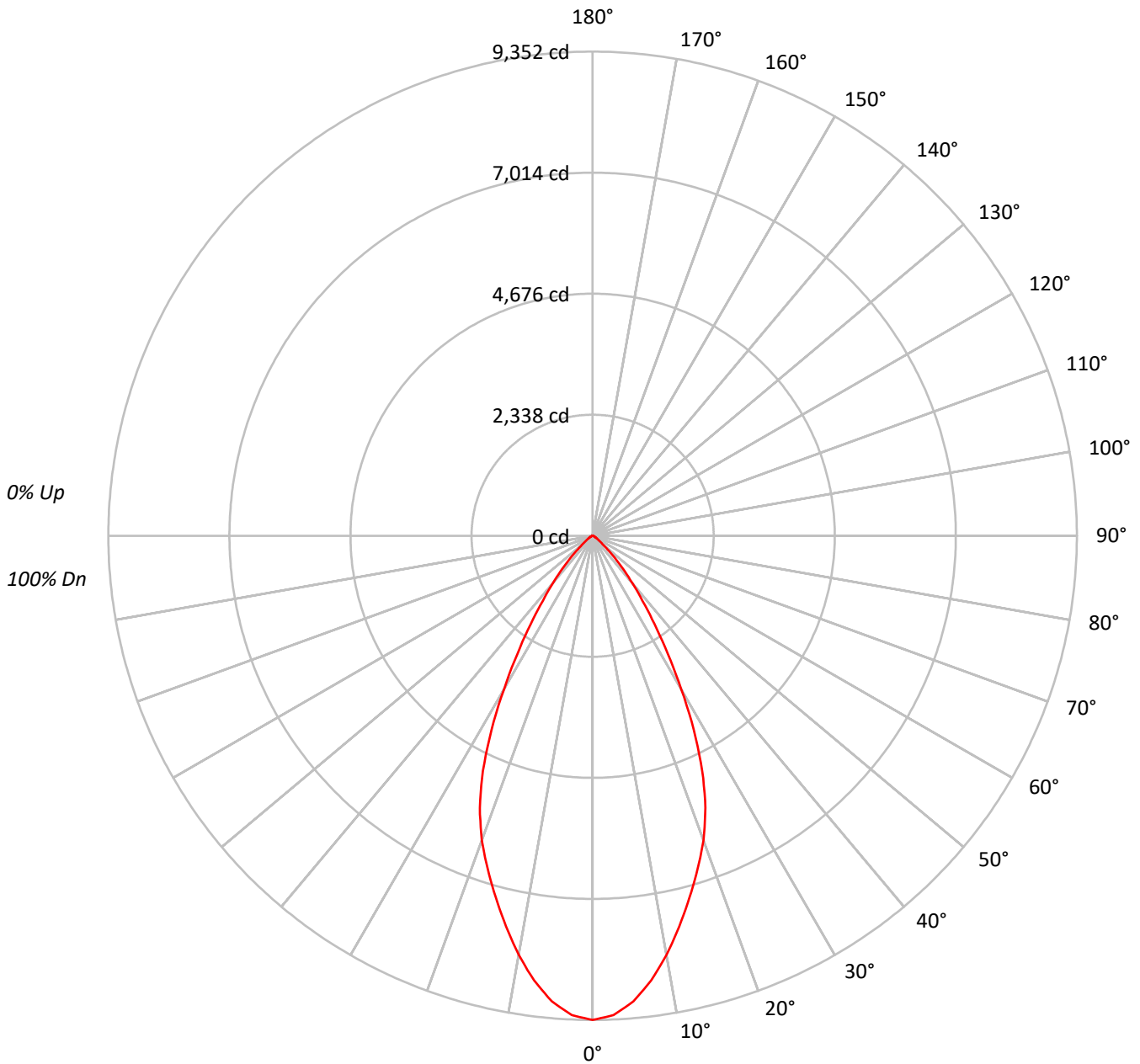
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7115.0 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8  
Luminous Opening: Circular (Dia: 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54			
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51			

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

	0°
0°	512656
5°	496790
10°	457462
15°	410315
20°	365082
25°	303175
30°	216597
35°	139233
40°	84845
45°	47168
50°	20895
55°	12109
60°	7971
65°	5656
70°	3991
75°	3071
80°	1957
85°	1321



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	835.6	11.7
10°-20°	2022.7	28.4
20°-30°	2249.4	31.6
30°-40°	1332.9	18.7
40°-50°	488.3	6.9
50°-60°	122.7	1.7
60°-70°	44.8	0.6
70°-80°	15.6	0.2
80°-90°	3.1	0.0
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°	5107.7	71.8
0°-40°	6440.6	90.5
0°-60°	7051.6	99.1
0°-90°	7115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7115.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9352	
5°	9028	836
15°	7230	2023
25°	5012	2249
35°	2080	1333
45°	608	488
55°	127	123
65°	44	45
75°	14	16
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9351.6
2.5°	9268.6
5°	9027.7
7.5°	8662.3
10°	8218.0
12.5°	7728.0
15°	7229.7
17.5°	6745.9
20°	6258.0
22.5°	5691.1
25°	5012.2
27.5°	4231.5
30°	3421.7
32.5°	2697.1
35°	2080.5
37.5°	1580.1
40°	1185.6
42.5°	863.7
45°	608.4
47.5°	386.2
50°	245.0
52.5°	172.3
55°	126.7
57.5°	95.5
60°	72.7
62.5°	56.1
65°	43.6
67.5°	33.2
70°	24.9
72.5°	18.7
75°	14.5
77.5°	10.4
80°	6.2
82.5°	4.2
85°	2.1
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)