

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: P684256

Luminaire Tested: **LX6C40D010 EX6C409030 6LBMDH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684256  
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: LX6C40D010 EX6C409030 6LBMDH  
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

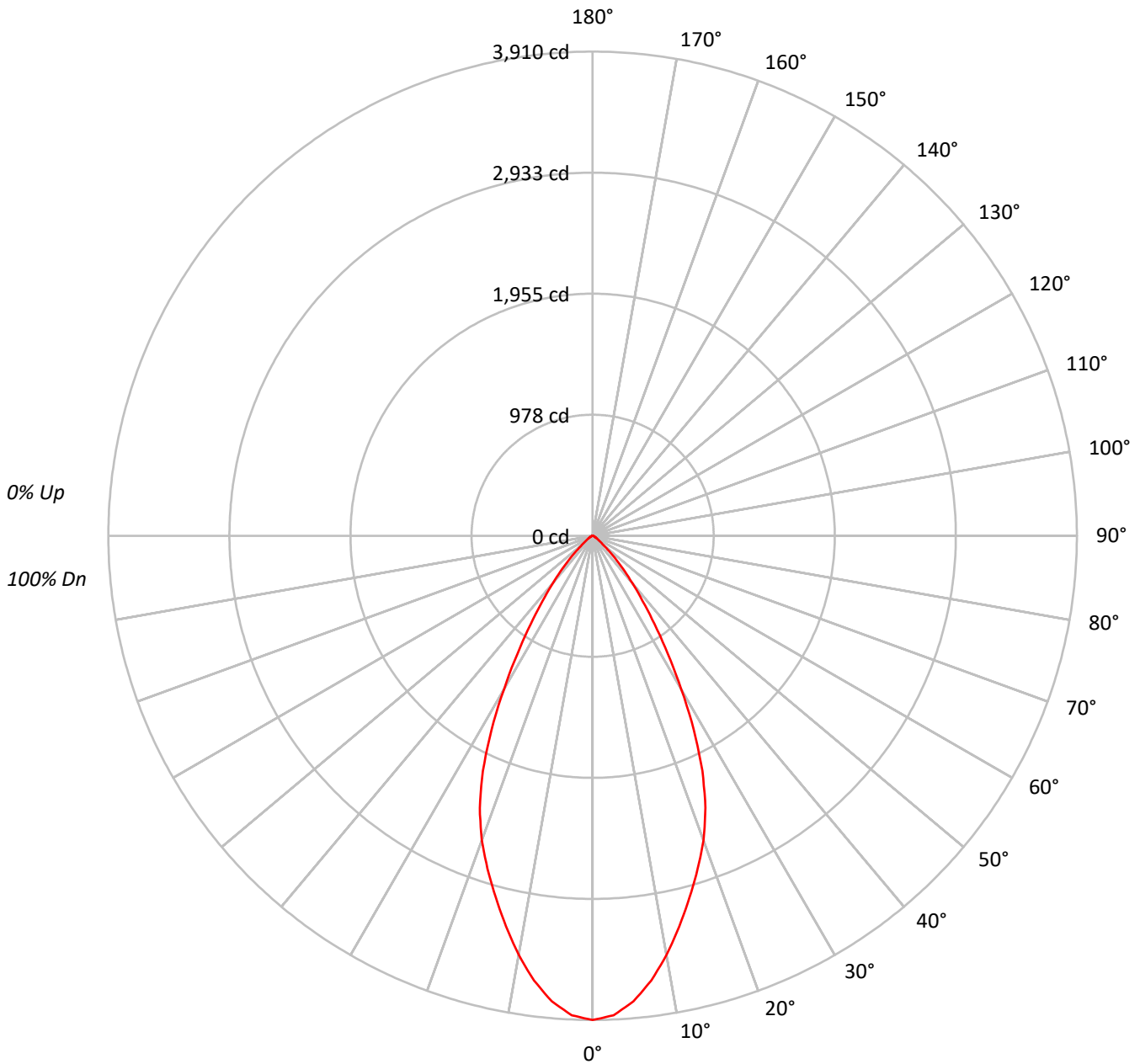
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2975.0 lumens  
Efficiency: N/A  
Efficacy: 63.3 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): 47  
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	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°	214358
5°	207726
10°	191279
15°	171562
20°	152648
25°	126763
30°	90565
35°	58216
40°	35474
45°	19723
50°	8733
55°	5066
60°	3333
65°	2361
70°	1667
75°	1292
80°	821
85°	566



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.4	11.7
10°-20°	845.7	28.4
20°-30°	940.5	31.6
30°-40°	557.3	18.7
40°-50°	204.2	6.9
50°-60°	51.3	1.7
60°-70°	18.7	0.6
70°-80°	6.5	0.2
80°-90°	1.3	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°	2135.7	71.8
0°-40°	2693.0	90.5
0°-60°	2948.5	99.1
0°-90°	2975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2975.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3910	
5°	3775	349
15°	3023	846
25°	2096	941
35°	870	557
45°	254	204
55°	53	51
65°	18	19
75°	6	7
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3910.2
2.5°	3875.5
5°	3774.8
7.5°	3622.0
10°	3436.2
12.5°	3231.3
15°	3022.9
17.5°	2820.7
20°	2616.6
22.5°	2379.6
25°	2095.7
27.5°	1769.3
30°	1430.7
32.5°	1127.7
35°	869.9
37.5°	660.7
40°	495.7
42.5°	361.2
45°	254.4
47.5°	161.5
50°	102.4
52.5°	72.1
55°	53.0
57.5°	39.9
60°	30.4
62.5°	23.4
65°	18.2
67.5°	13.9
70°	10.4
72.5°	7.8
75°	6.1
77.5°	4.3
80°	2.6
82.5°	1.7
85°	0.9
87.5°	0.9
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)