

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: P684582

Luminaire Tested: **LX6C75D010 EX6C759040 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

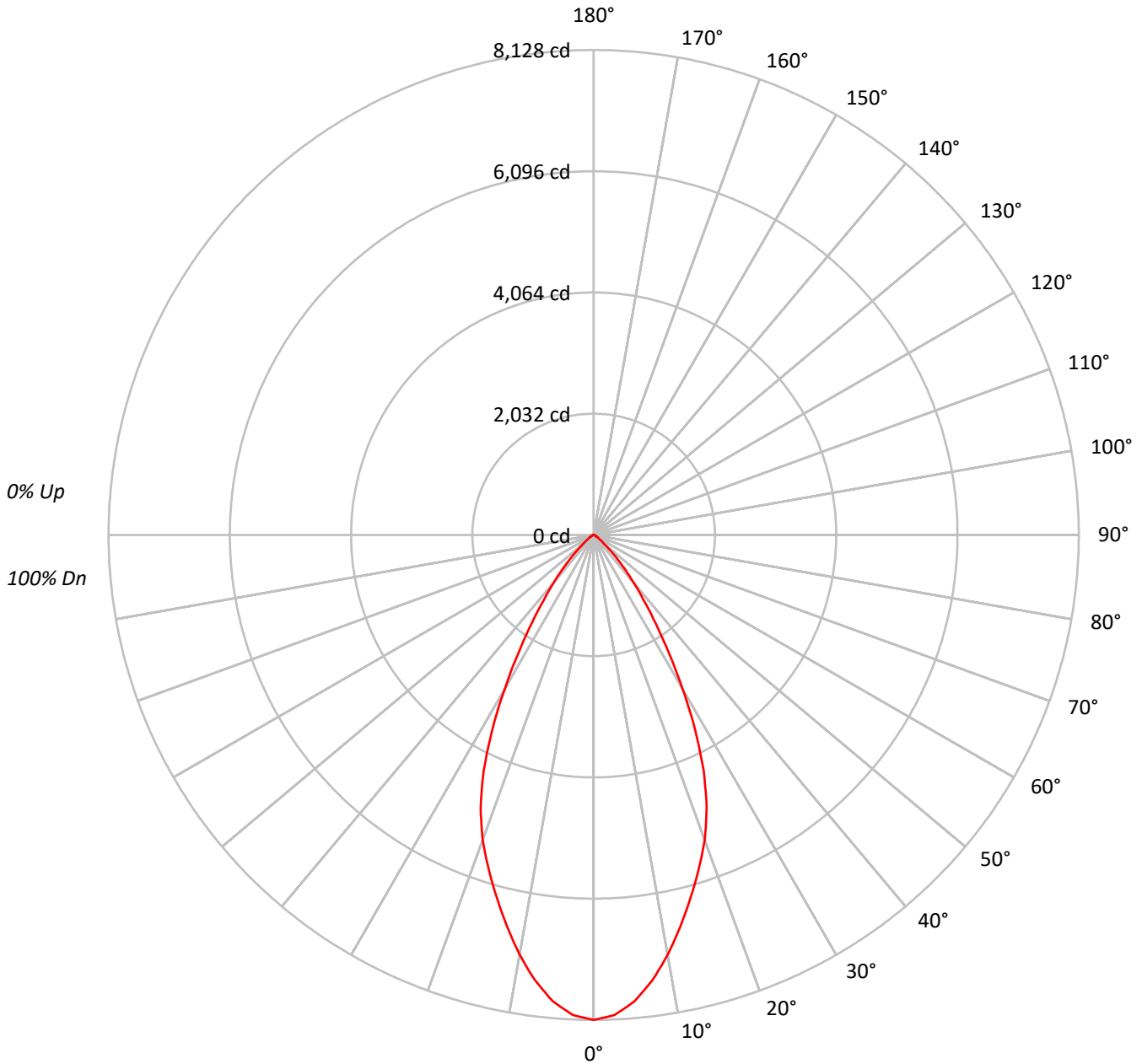
Test Method: LM-79-08  
Report Number: P684582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C75D010 EX6C759040 6LBMDH  
Description: 6 INCH 7500 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: 6184.0 lumens  
Efficiency: N/A  
Efficacy: 75.9 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): 81.5  
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°	445578
5°	431790
10°	397605
15°	356625
20°	317308
25°	263501
30°	188257
35°	121010
40°	73738
45°	40997
50°	18157
55°	10523
60°	6929
65°	4916
70°	3478
75°	2669
80°	1705
85°	1132



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	726.3	11.7
10°-20°	1758.0	28.4
20°-30°	1955.1	31.6
30°-40°	1158.4	18.7
40°-50°	424.4	6.9
50°-60°	106.6	1.7
60°-70°	38.9	0.6
70°-80°	13.5	0.2
80°-90°	2.7	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°	4439.4	71.8
0°-40°	5597.8	90.5
0°-60°	6128.8	99.1
0°-90°	6184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6184.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8128	
5°	7846	726
15°	6284	1758
25°	4356	1955
35°	1808	1158
45°	529	424
55°	110	107
65°	38	39
75°	13	14
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8128.0
2.5°	8055.8
5°	7846.5
7.5°	7528.8
10°	7142.7
12.5°	6716.8
15°	6283.7
17.5°	5863.2
20°	5439.1
22.5°	4946.4
25°	4356.3
27.5°	3677.8
30°	2974.0
32.5°	2344.2
35°	1808.2
37.5°	1373.3
40°	1030.4
42.5°	750.7
45°	528.8
47.5°	335.7
50°	212.9
52.5°	149.8
55°	110.1
57.5°	83.0
60°	63.2
62.5°	48.7
65°	37.9
67.5°	28.9
70°	21.7
72.5°	16.2
75°	12.6
77.5°	9.0
80°	5.4
82.5°	3.6
85°	1.8
87.5°	1.8
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)