

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: P684302

Luminaire Tested: **LX6C45D010 EX6C459035 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684302  
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: LX6C45D010 EX6C459035 6LBMDH  
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

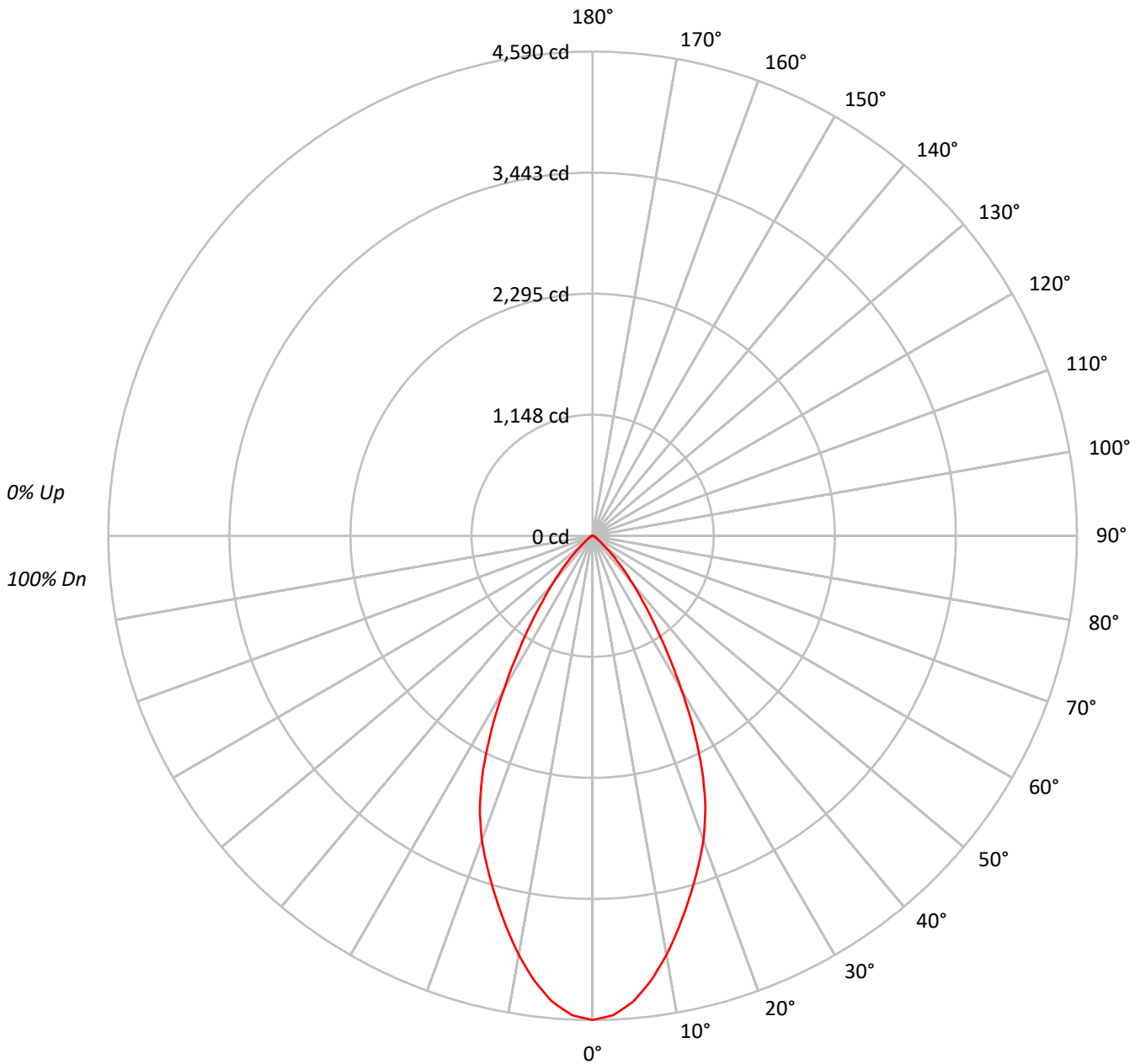
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3492.0 lumens  
Efficiency: N/A  
Efficacy: 70.4 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): 49.6  
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				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°	251608
5°	243825
10°	224517
15°	201380
20°	179181
25°	148793
30°	106307
35°	68335
40°	41642
45°	23150
50°	10251
55°	5945
60°	3914
65°	2776
70°	1955
75°	1504
80°	979
85°	629



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	410.1	11.7
10°-20°	992.7	28.4
20°-30°	1104.0	31.6
30°-40°	654.2	18.7
40°-50°	239.6	6.9
50°-60°	60.2	1.7
60°-70°	22.0	0.6
70°-80°	7.6	0.2
80°-90°	1.5	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°	2506.8	71.8
0°-40°	3161.0	90.5
0°-60°	3460.9	99.1
0°-90°	3492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3492.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4590	
5°	4431	410
15°	3548	993
25°	2460	1104
35°	1021	654
45°	299	240
55°	62	60
65°	21	22
75°	7	8
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4589.7
2.5°	4549.0
5°	4430.8
7.5°	4251.4
10°	4033.3
12.5°	3792.8
15°	3548.3
17.5°	3310.8
20°	3071.4
22.5°	2793.2
25°	2459.9
27.5°	2076.8
30°	1679.4
32.5°	1323.7
35°	1021.1
37.5°	775.5
40°	581.9
42.5°	423.9
45°	298.6
47.5°	189.5
50°	120.2
52.5°	84.6
55°	62.2
57.5°	46.9
60°	35.7
62.5°	27.5
65°	21.4
67.5°	16.3
70°	12.2
72.5°	9.2
75°	7.1
77.5°	5.1
80°	3.1
82.5°	2.0
85°	1.0
87.5°	1.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)