

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: P684004

Luminaire Tested: **LX6C130D010 EX6C1309035 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684004  
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: LX6C130D010 EX6C1309035 6LBMDH  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

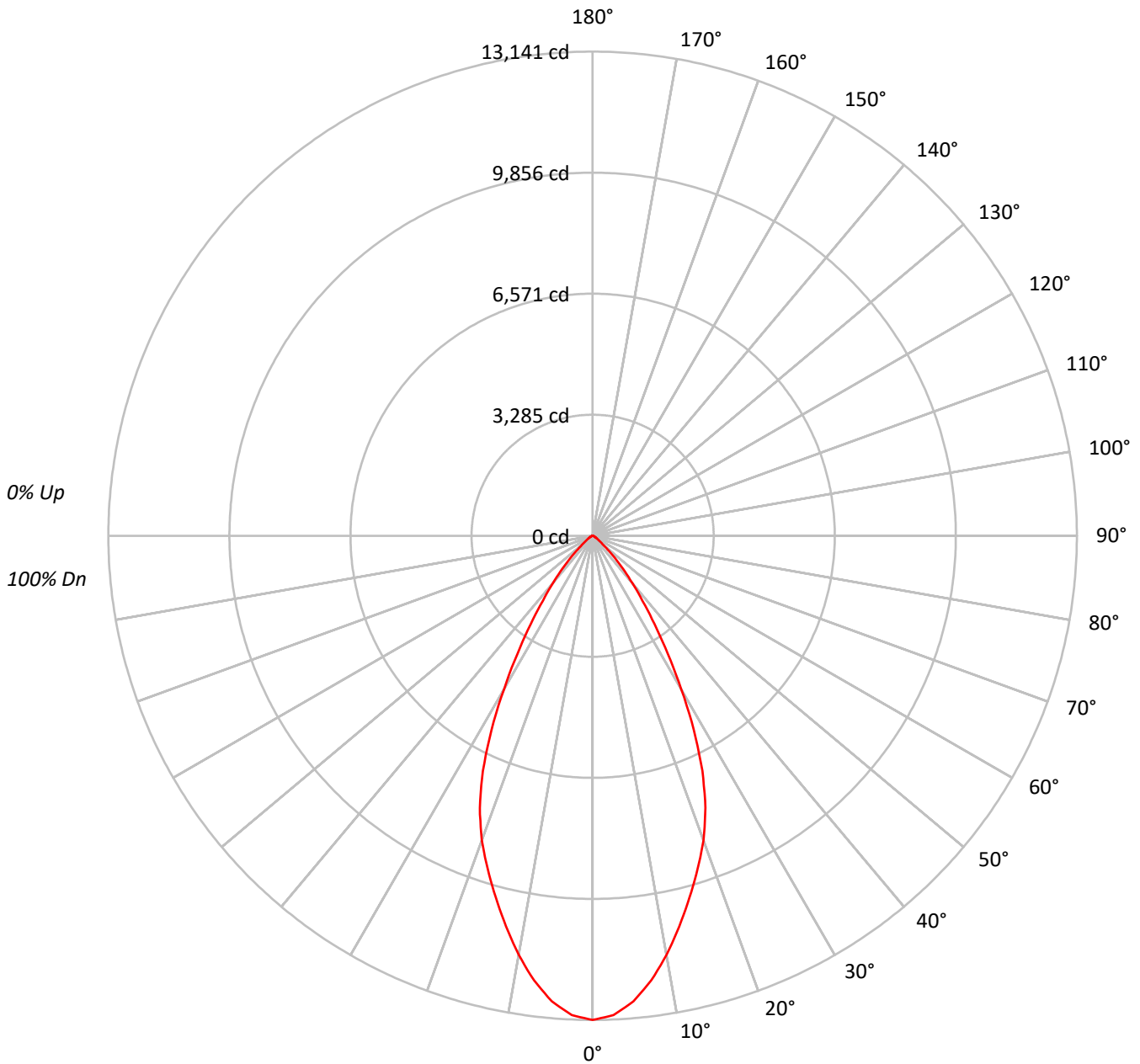
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9998.0 lumens  
Efficiency: N/A  
Efficacy: 69.3 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): 144.3  
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°	720386
5°	698094
10°	642824
15°	576570
20°	513010
25°	426019
30°	304363
35°	195643
40°	119223
45°	66278
50°	29364
55°	17013
60°	11194
65°	7952
70°	5610
75°	4321
80°	2778
85°	1824



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1174.2	11.7
10°-20°	2842.3	28.4
20°-30°	3160.9	31.6
30°-40°	1872.9	18.7
40°-50°	686.1	6.9
50°-60°	172.4	1.7
60°-70°	62.9	0.6
70°-80°	21.9	0.2
80°-90°	4.4	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°	7177.4	71.8
0°-40°	9050.3	90.5
0°-60°	9908.8	99.1
0°-90°	9998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9998.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13141	
5°	12686	###
15°	10159	2842
25°	7043	3161
35°	2923	1873
45°	855	686
55°	178	172
65°	61	63
75°	20	22
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	13140.9
2.5°	13024.2
5°	12685.8
7.5°	12172.3
10°	11547.9
12.5°	10859.4
15°	10159.1
17.5°	9479.3
20°	8793.7
22.5°	7997.2
25°	7043.1
27.5°	5946.1
30°	4808.2
32.5°	3790.0
35°	2923.4
37.5°	2220.3
40°	1666.0
42.5°	1213.7
45°	854.9
47.5°	542.7
50°	344.3
52.5°	242.2
55°	178.0
57.5°	134.2
60°	102.1
62.5°	78.8
65°	61.3
67.5°	46.7
70°	35.0
72.5°	26.3
75°	20.4
77.5°	14.6
80°	8.8
82.5°	5.8
85°	2.9
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)