

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: P684006

Luminaire Tested: **LX6C130D010 EX6C1309035 6LBNH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684006  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C130D010 EX6C1309035 6LBNH  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBN TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

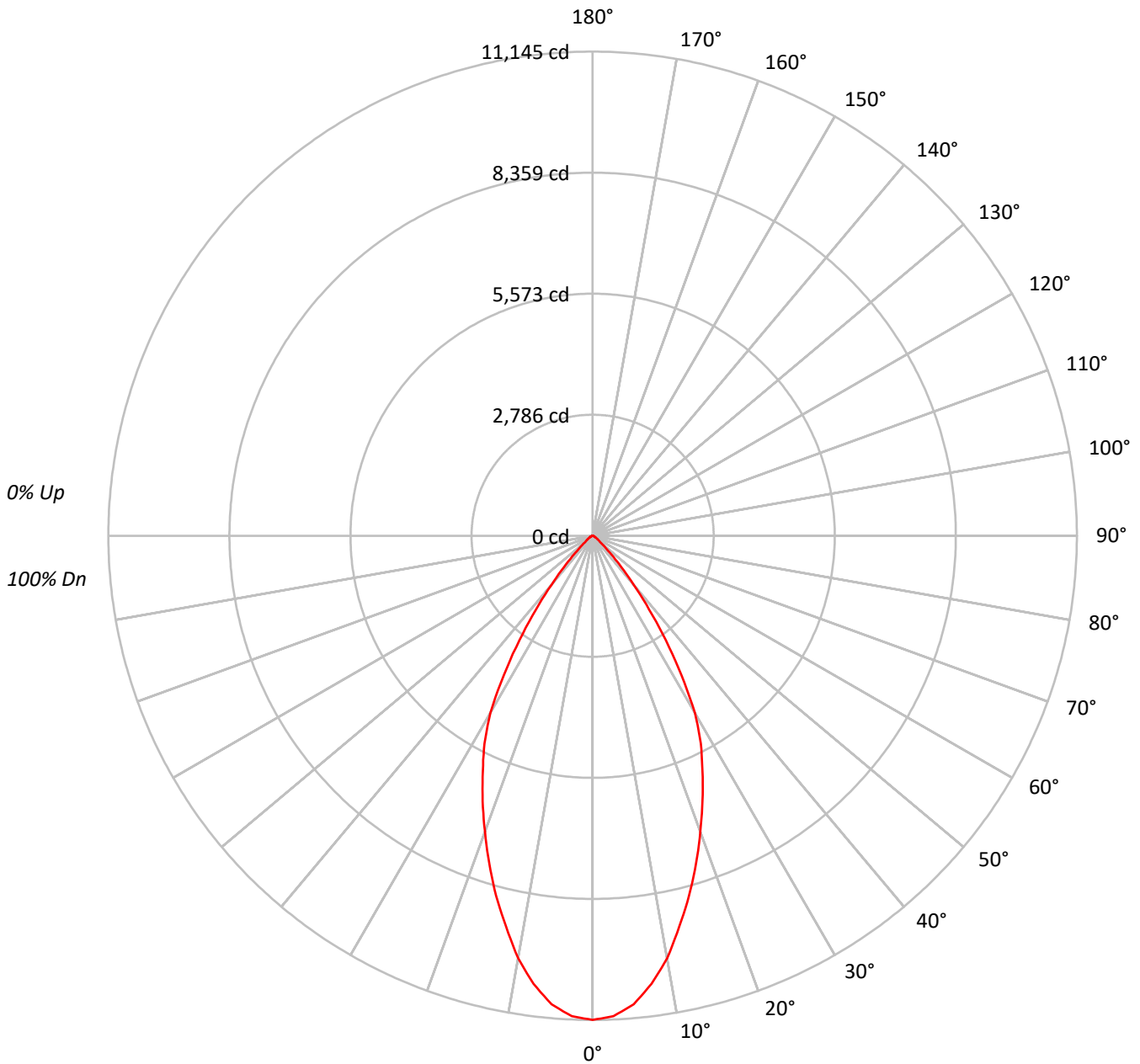
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8693.9 lumens  
Efficiency: N/A  
Efficacy: 60.2 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84  
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	104	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	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

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

	0°
0°	610960
5°	595838
10°	549795
15°	486756
20°	422638
25°	361497
30°	298040
35°	196265
40°	105505
45°	46710
50°	18942
55°	13658
60°	8684
65°	6200
70°	5113
75°	3368
80°	5020
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1002.2	11.5
10°-20°	2390.0	27.5
20°-30°	2738.0	31.5
30°-40°	1839.6	21.2
40°-50°	525.6	6.0
50°-60°	128.7	1.5
60°-70°	48.9	0.6
70°-80°	18.9	0.2
80°-90°	2.2	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°	6130.2	70.5
0°-40°	7969.8	91.7
0°-60°	8624.0	99.2
0°-90°	8693.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8693.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11145	
5°	10828	###
15°	8577	2390
25°	5976	2738
35°	2933	1840
45°	602	526
55°	143	129
65°	48	49
75°	16	19
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	11144.8
2.5°	11065.7
5°	10827.6
7.5°	10399.4
10°	9876.7
12.5°	9210.4
15°	8576.6
17.5°	7910.9
20°	7244.6
22.5°	6610.8
25°	5976.4
27.5°	5389.9
30°	4708.3
32.5°	3804.5
35°	2932.7
37.5°	2140.0
40°	1474.3
42.5°	966.9
45°	602.5
47.5°	364.5
50°	222.1
52.5°	174.3
55°	142.9
57.5°	111.0
60°	79.2
62.5°	63.2
65°	47.8
67.5°	31.9
70°	31.9
72.5°	15.9
75°	15.9
77.5°	15.9
80°	15.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)