

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: P684021

Luminaire Tested: **LX6C130D010 EX6C1309050 6LBMH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684021  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C130D010 EX6C1309050 6LBMH  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBM TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

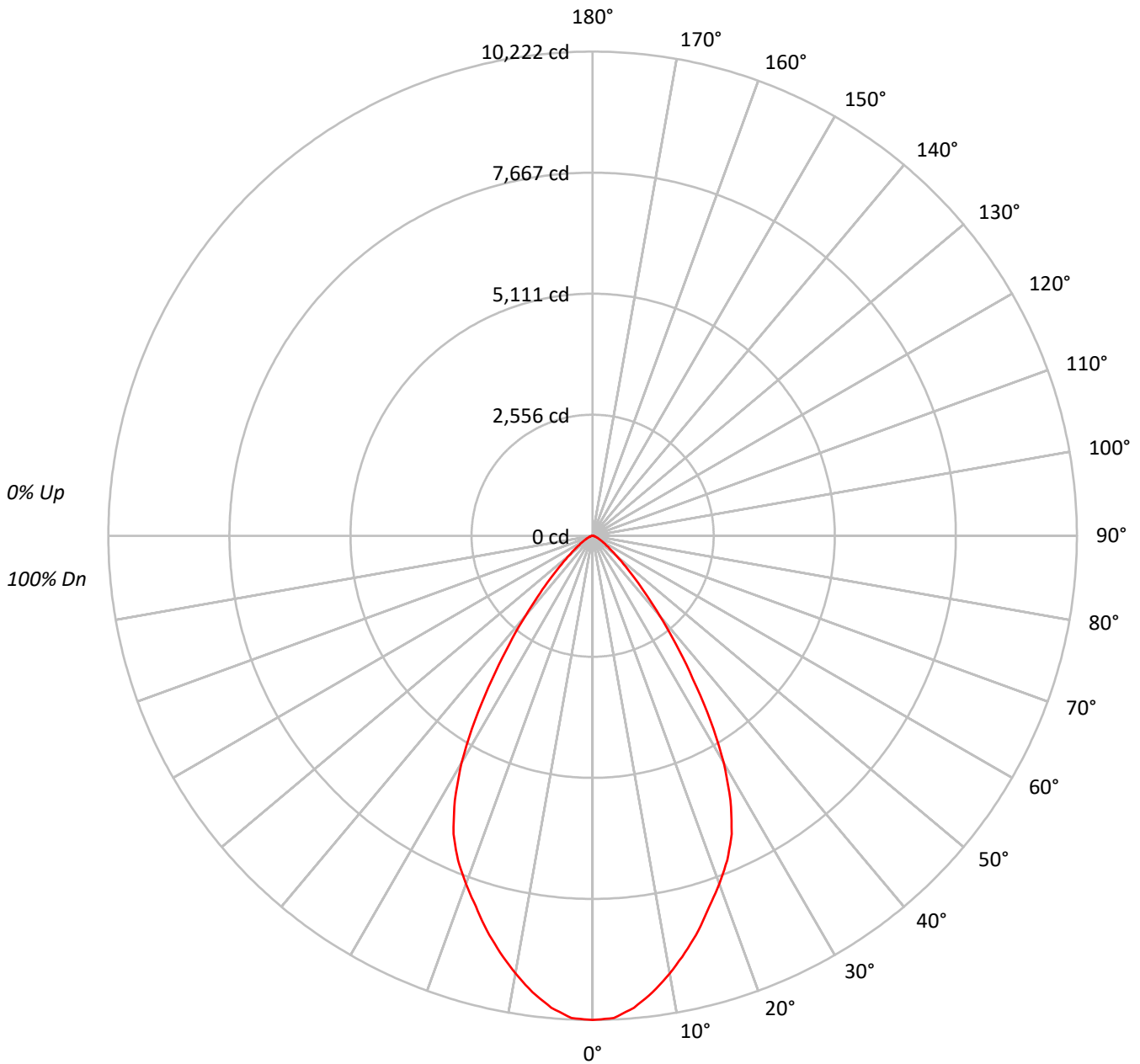
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10328.9 lumens  
Efficiency: N/A  
Efficacy: 71.6 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

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

	0°
0°	560377
5°	550345
10°	522229
15°	489713
20°	456072
25°	420224
30°	350142
35°	246786
40°	157280
45°	93793
50°	55359
55°	35220
60°	24252
65°	17213
70°	11845
75°	9362
80°	4609
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	934.6	9.0
10°-20°	2417.9	23.4
20°-30°	3132.9	30.3
30°-40°	2325.9	22.5
40°-50°	981.9	9.5
50°-60°	348.6	3.4
60°-70°	134.5	1.3
70°-80°	46.6	0.5
80°-90°	5.9	0.1
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°	6485.5	62.8
0°-40°	8811.4	85.3
0°-60°	10141.9	98.2
0°-90°	10328.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10328.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10222	
5°	10001	935
15°	8629	2418
25°	6947	3133
35°	3688	2326
45°	1210	982
55°	368	349
65°	133	135
75°	44	47
85°	0	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10222.1
2.5°	10192.5
5°	10000.9
7.5°	9720.3
10°	9381.5
12.5°	9012.3
15°	8628.7
17.5°	8201.4
20°	7817.7
22.5°	7419.5
25°	6947.3
27.5°	6298.2
30°	5531.4
32.5°	4631.3
35°	3687.6
37.5°	2891.2
40°	2197.8
42.5°	1637.1
45°	1209.8
47.5°	884.9
50°	649.1
52.5°	486.7
55°	368.5
57.5°	280.0
60°	221.2
62.5°	162.4
65°	132.7
67.5°	103.0
70°	73.9
72.5°	58.8
75°	44.2
77.5°	29.7
80°	14.6
82.5°	14.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)