

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: P684020

Luminaire Tested: **LX6C130D010 EX6C1309050 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684020  
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 EX6C1309050 6LBMDH  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

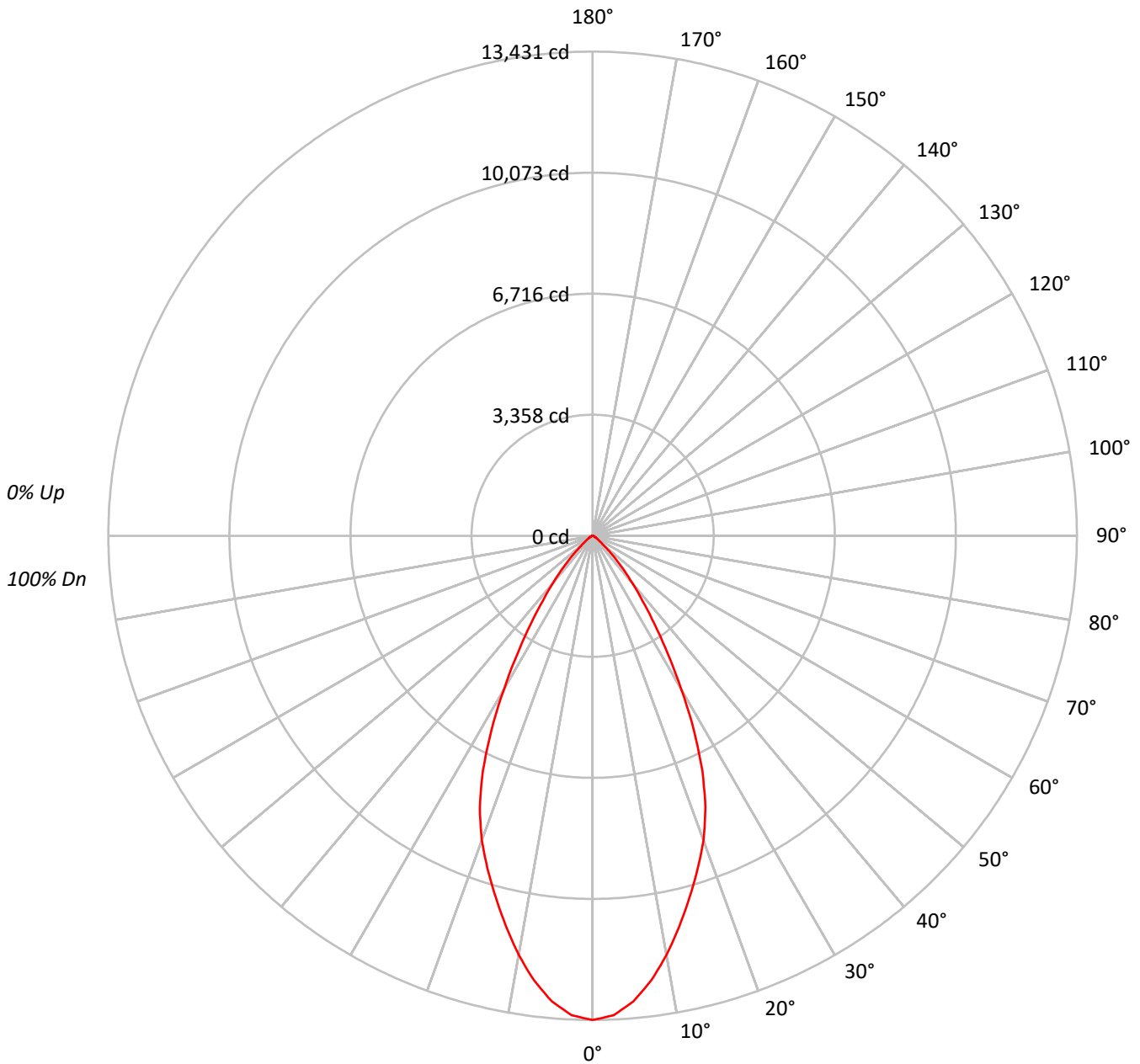
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10219.0 lumens  
Efficiency: N/A  
Efficacy: 70.8 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				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
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93				93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87				87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81				81
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75				75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66				66
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62				62
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58				58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54				54
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51				51

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

	0°
0°	736312
5°	713524
10°	657035
15°	589317
20°	524351
25°	435436
30°	311092
35°	199973
40°	121857
45°	67743
50°	30012
55°	17385
60°	11446
65°	8120
70°	5738
75°	4427
80°	2810
85°	1887



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1200.2	11.7
10°-20°	2905.1	28.4
20°-30°	3230.7	31.6
30°-40°	1914.3	18.7
40°-50°	701.3	6.9
50°-60°	176.2	1.7
60°-70°	64.3	0.6
70°-80°	22.4	0.2
80°-90°	4.5	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°	7336.0	71.8
0°-40°	9250.4	90.5
0°-60°	10127.9	99.1
0°-90°	10219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10219.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13431	
5°	12966	###
15°	10384	2905
25°	7199	3231
35°	2988	1914
45°	874	701
55°	182	176
65°	63	64
75°	21	22
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	13431.4
2.5°	13312.1
5°	12966.2
7.5°	12441.3
10°	11803.2
12.5°	11099.4
15°	10383.7
17.5°	9688.9
20°	8988.1
22.5°	8174.0
25°	7198.8
27.5°	6077.5
30°	4914.5
32.5°	3873.8
35°	2988.1
37.5°	2269.4
40°	1702.8
42.5°	1240.6
45°	873.8
47.5°	554.7
50°	351.9
52.5°	247.5
55°	181.9
57.5°	137.2
60°	104.4
62.5°	80.5
65°	62.6
67.5°	47.7
70°	35.8
72.5°	26.8
75°	20.9
77.5°	14.9
80°	8.9
82.5°	6.0
85°	3.0
87.5°	3.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)