

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: P684178

Luminaire Tested: **LX6C30D010 EX6C309030 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684178  
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: LX6C30D010 EX6C309030 6LBMDH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

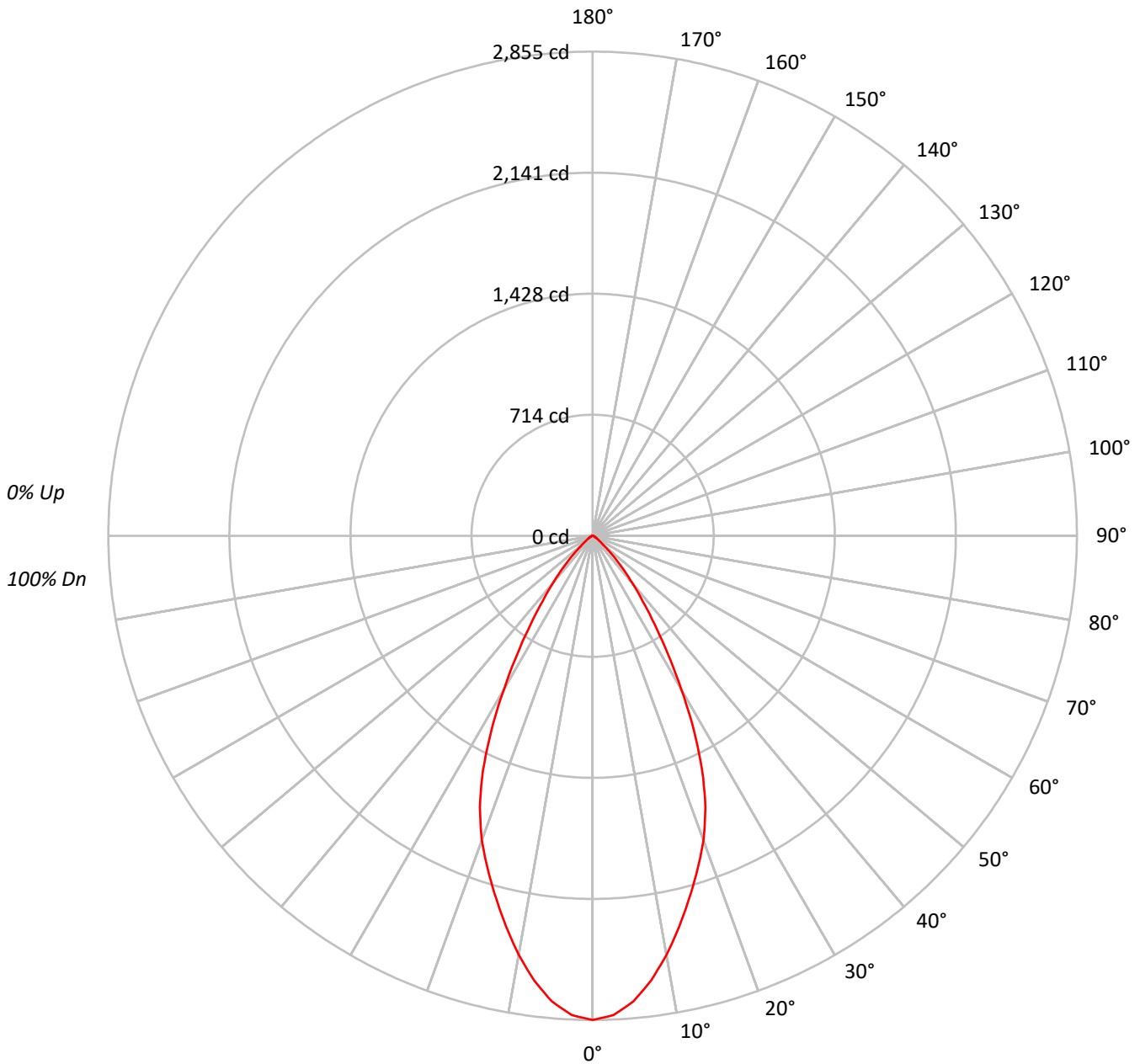
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2172.0 lumens  
Efficiency: N/A  
Efficacy: 68.7 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): 31.6  
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°	156501
5°	151656
10°	139649
15°	125256
20°	111450
25°	92552
30°	66124
35°	42503
40°	25899
45°	14397
50°	6379
55°	3699
60°	2434
65°	1725
70°	1218
75°	932
80°	600
85°	377



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.1	11.7
10°-20°	617.5	28.4
20°-30°	686.7	31.6
30°-40°	406.9	18.7
40°-50°	149.1	6.9
50°-60°	37.5	1.7
60°-70°	13.7	0.6
70°-80°	4.8	0.2
80°-90°	0.9	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°	1559.2	71.8
0°-40°	1966.1	90.5
0°-60°	2152.6	99.1
0°-90°	2172.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2172.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2855	
5°	2756	255
15°	2207	617
25°	1530	687
35°	635	407
45°	186	149
55°	39	37
65°	13	14
75°	4	5
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2854.8
2.5°	2829.4
5°	2755.9
7.5°	2644.3
10°	2508.7
12.5°	2359.1
15°	2207.0
17.5°	2059.3
20°	1910.4
22.5°	1737.3
25°	1530.1
27.5°	1291.8
30°	1044.6
32.5°	823.3
35°	635.1
37.5°	482.3
40°	361.9
42.5°	263.7
45°	185.7
47.5°	117.9
50°	74.8
52.5°	52.6
55°	38.7
57.5°	29.2
60°	22.2
62.5°	17.1
65°	13.3
67.5°	10.1
70°	7.6
72.5°	5.7
75°	4.4
77.5°	3.2
80°	1.9
82.5°	1.3
85°	0.6
87.5°	0.6
90°	0.0



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— 0°-180°







(END OF REPORT)