

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: P563906

Luminaire Tested: **LX6C15D010 EX6C159030 6LBMDH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P563906  
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: LX6C15D010 EX6C159030 6LBMDH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

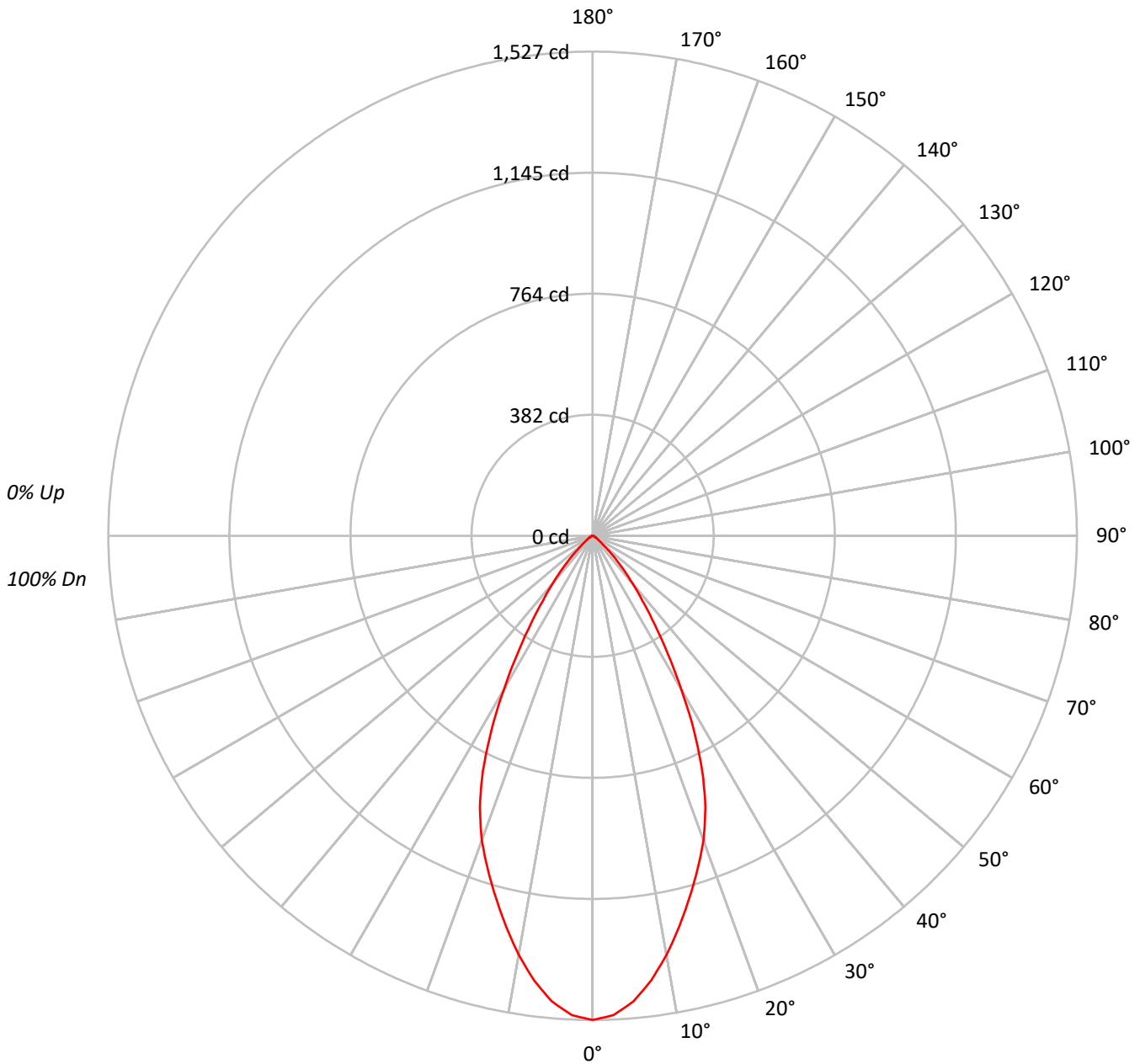
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1161.6 lumens  
Efficiency: N/A  
Efficacy: 73.5 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): 15.8  
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°	83699
5°	81108
10°	74687
15°	66992
20°	59604
25°	49497
30°	35360
35°	22727
40°	13855
45°	7698
50°	3411
55°	1969
60°	1305
65°	921
70°	657
75°	487
80°	316
85°	189



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.4	11.7
10°-20°	330.2	28.4
20°-30°	367.3	31.6
30°-40°	217.6	18.7
40°-50°	79.7	6.9
50°-60°	20.0	1.7
60°-70°	7.3	0.6
70°-80°	2.5	0.2
80°-90°	0.5	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°	833.9	71.8
0°-40°	1051.5	90.5
0°-60°	1151.3	99.1
0°-90°	1161.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1161.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1527	
5°	1474	136
15°	1180	330
25°	818	367
35°	340	218
45°	99	80
55°	21	20
65°	7	7
75°	2	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1526.8
2.5°	1513.3
5°	1473.9
7.5°	1414.3
10°	1341.7
12.5°	1261.7
15°	1180.4
17.5°	1101.4
20°	1021.7
22.5°	929.2
25°	818.3
27.5°	690.9
30°	558.6
32.5°	440.3
35°	339.6
37.5°	258.0
40°	193.6
42.5°	141.0
45°	99.3
47.5°	63.1
50°	40.0
52.5°	28.2
55°	20.6
57.5°	15.6
60°	11.9
62.5°	9.2
65°	7.1
67.5°	5.4
70°	4.1
72.5°	3.1
75°	2.3
77.5°	1.7
80°	1.0
82.5°	0.7
85°	0.3
87.5°	0.3
90°	0.0



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— 0°-180°







(END OF REPORT)