

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: P685046

Luminaire Tested: **LX6C05D010 EX6059030 6LRMDLI**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P685046  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C05D010 EX6059030 6LRMDLI  
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

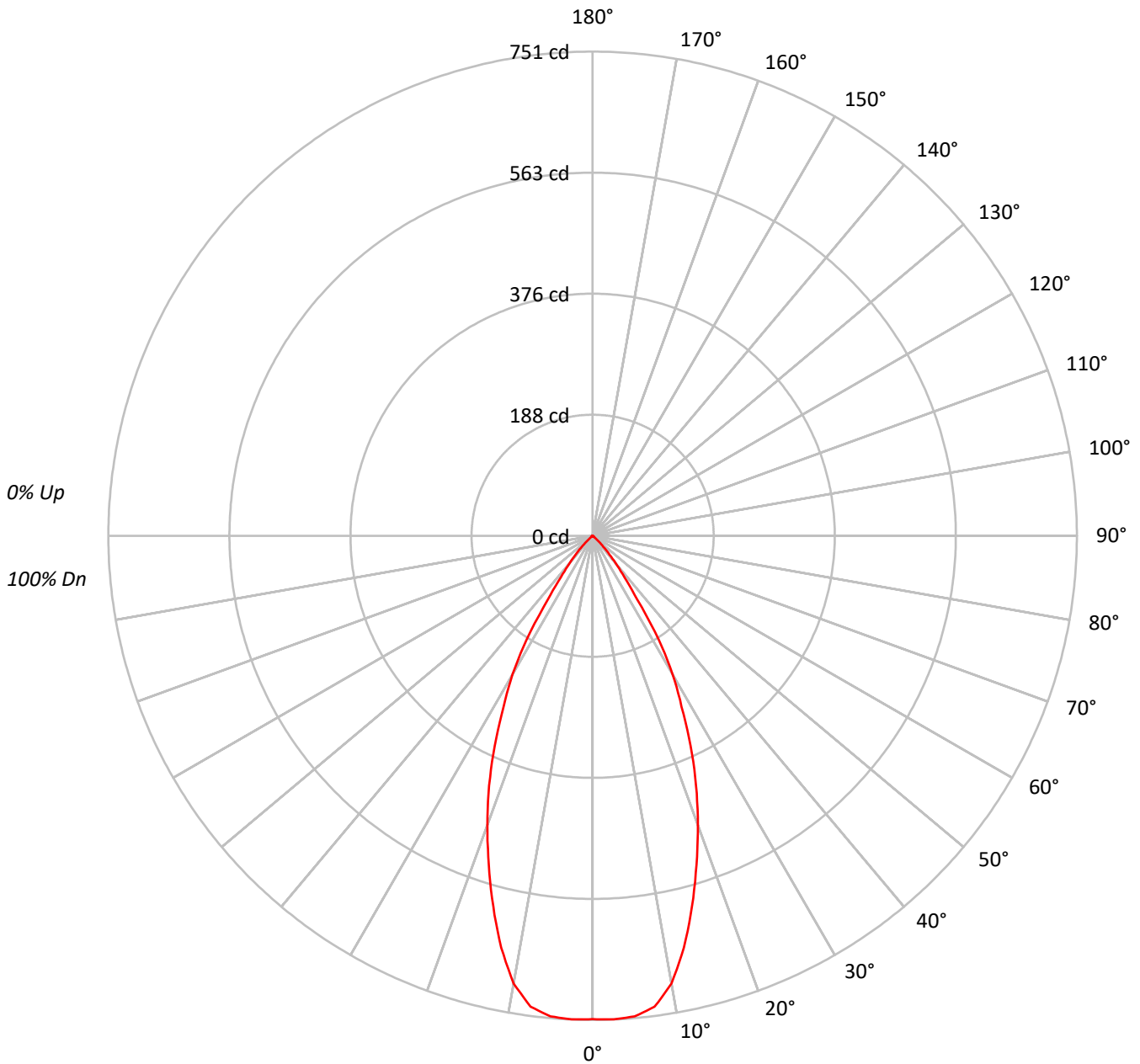
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 502.0 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94		
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89		
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83		
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78		
5	95	87	81	77	93	86	81	77	84	80	76	83	79	76	81	78	75	74		
6	90	82	77	73	89	81	76	72	80	75	72	79	74	71	77	74	71	70		
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66		
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62		
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59		
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56		

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

	0°
0°	41104
5°	41184
10°	39250
15°	33797
20°	27839
25°	21745
30°	15705
35°	8044
40°	3922
45°	1628
50°	298
55°	172
60°	110
65°	78
70°	64
75°	64
80°	32
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.1	14.0
10°-20°	165.0	32.9
20°-30°	163.5	32.6
30°-40°	82.9	16.5
40°-50°	17.9	3.6
50°-60°	1.7	0.3
60°-70°	0.6	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	398.6	79.4
0°-40°	481.5	95.9
0°-60°	501.1	99.8
0°-90°	502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	750	
5°	748	70
15°	596	165
25°	360	163
35°	120	83
45°	21	18
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	749.8
2.5°	750.7
5°	748.4
7.5°	736.6
10°	705.1
12.5°	654.3
15°	595.5
17.5°	535.2
20°	477.2
22.5°	419.2
25°	359.5
27.5°	298.6
30°	248.1
32.5°	191.1
35°	120.2
37.5°	80.8
40°	54.8
42.5°	35.5
45°	21.0
47.5°	9.4
50°	3.5
52.5°	2.3
55°	1.8
57.5°	1.3
60°	1.0
62.5°	0.8
65°	0.6
67.5°	0.5
70°	0.4
72.5°	0.3
75°	0.3
77.5°	0.1
80°	0.1
82.5°	0.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)