

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: P684358

Luminaire Tested: **LX6C05D010 EX6C059050 6LBSH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684358  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204188)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C05D010 EX6C059050 6LBSH  
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

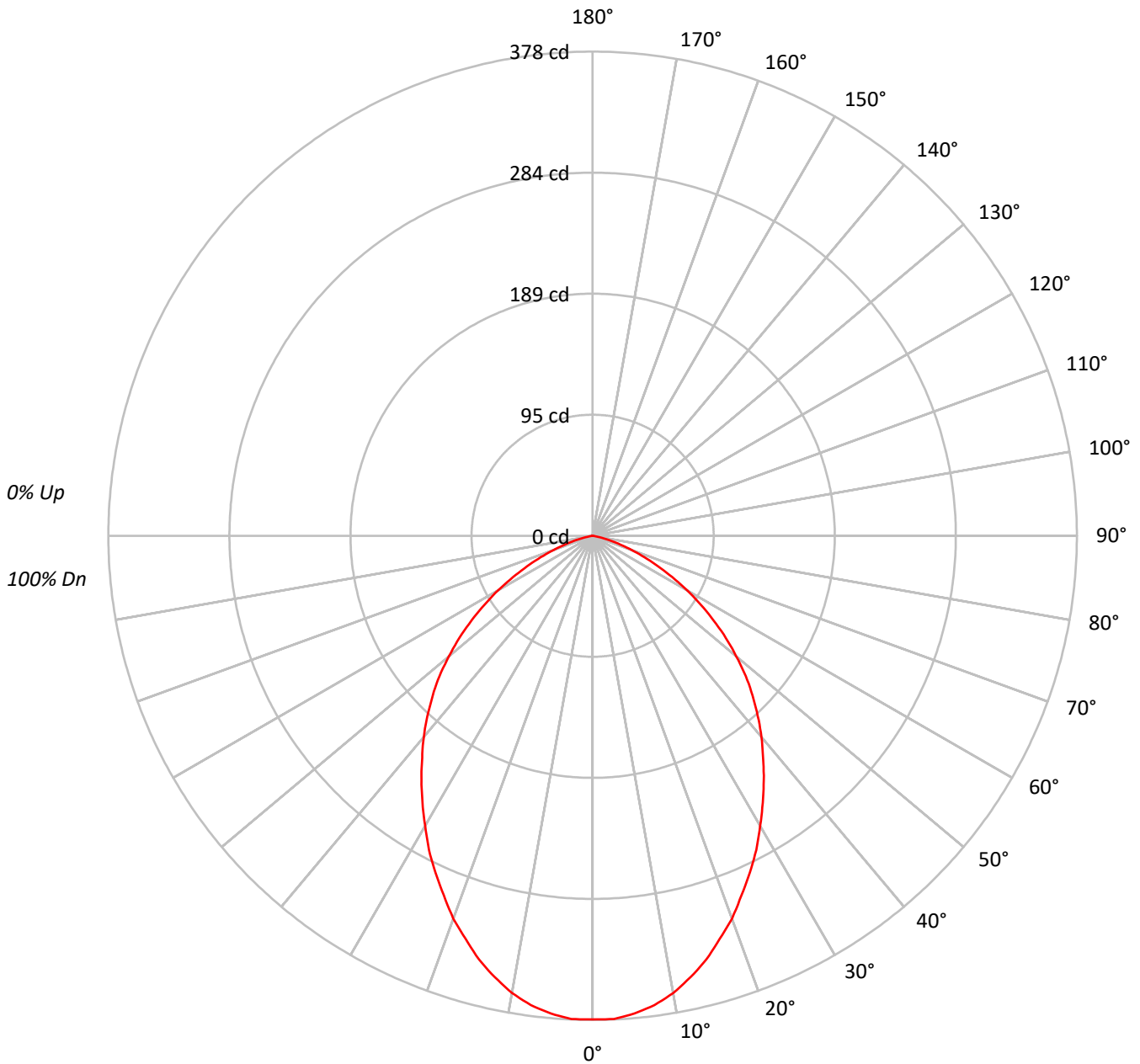
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 722.0 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	48	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

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

	0°
0°	20700
5°	20603
10°	20179
15°	19444
20°	18552
25°	17553
30°	16553
35°	15586
40°	14677
45°	13684
50°	12477
55°	11020
60°	9330
65°	7316
70°	5225
75°	2859
80°	505
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.4	4.9
10°-20°	96.1	13.3
20°-30°	133.5	18.5
30°-40°	145.7	20.2
40°-50°	135.9	18.8
50°-60°	103.2	14.3
60°-70°	56.5	7.8
70°-80°	15.6	2.2
80°-90°	0.2	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°	265.0	36.7
0°-40°	410.7	56.9
0°-60°	649.8	90.0
0°-90°	722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	722.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	378	
5°	374	35
15°	343	96
25°	290	134
35°	233	146
45°	176	136
55°	115	103
65°	56	56
75°	14	16
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	377.6
2.5°	377.6
5°	374.4
7.5°	369.6
10°	362.5
12.5°	353.0
15°	342.6
17.5°	329.9
20°	318.0
22.5°	303.7
25°	290.2
27.5°	276.6
30°	261.5
32.5°	247.2
35°	232.9
37.5°	218.6
40°	205.1
42.5°	190.8
45°	176.5
47.5°	162.2
50°	146.3
52.5°	131.2
55°	115.3
57.5°	100.2
60°	85.1
62.5°	70.0
65°	56.4
67.5°	43.7
70°	32.6
72.5°	22.3
75°	13.5
77.5°	6.4
80°	1.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)