

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: P684556

Luminaire Tested: **LX6C70D010 EX6C709727 6LBSH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684556  
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: LX6C70D010 EX6C709727 6LBSH  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 97CRI LEDS  
AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

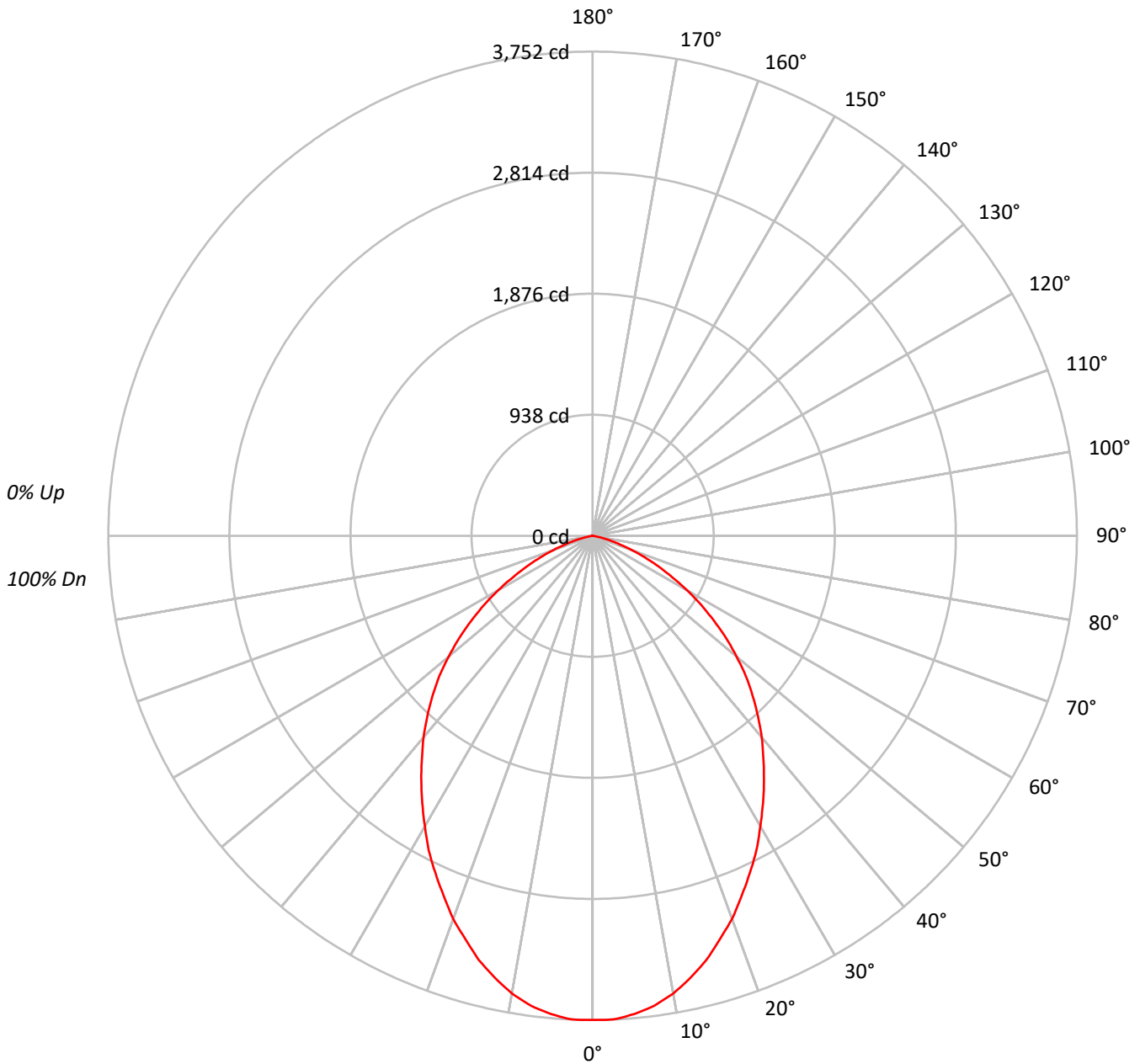
Lumens per Lamp: N/A  
Luminaire Lumens: 7174.0 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 78  
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	49	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°	205685
5°	204727
10°	200503
15°	193208
20°	184326
25°	174391
30°	164500
35°	154887
40°	145838
45°	135944
50°	123953
55°	109473
60°	92657
65°	72757
70°	51916
75°	28446
80°	5020
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.4	4.9
10°-20°	955.2	13.3
20°-30°	1326.6	18.5
30°-40°	1447.6	20.2
40°-50°	1350.4	18.8
50°-60°	1025.0	14.3
60°-70°	561.3	7.8
70°-80°	154.5	2.2
80°-90°	2.2	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°	2633.2	36.7
0°-40°	4080.8	56.9
0°-60°	6456.1	90.0
0°-90°	7174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7174.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3752	
5°	3720	351
15°	3404	955
25°	2883	1327
35°	2314	1448
45°	1754	1350
55°	1145	1025
65°	561	561
75°	134	154
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3752.0
2.5°	3752.0
5°	3720.3
7.5°	3672.9
10°	3601.9
12.5°	3507.1
15°	3404.3
17.5°	3278.0
20°	3159.6
22.5°	3017.4
25°	2883.1
27.5°	2748.8
30°	2598.7
32.5°	2456.5
35°	2314.4
37.5°	2172.2
40°	2037.9
42.5°	1895.7
45°	1753.5
47.5°	1611.3
50°	1453.4
52.5°	1303.3
55°	1145.4
57.5°	995.3
60°	845.1
62.5°	695.2
65°	560.9
67.5°	434.4
70°	323.9
72.5°	221.2
75°	134.3
77.5°	63.3
80°	15.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)