

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: P684259

Luminaire Tested: **LX6C40D010 EX6C409030 6LBSH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684259  
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: LX6C40D010 EX6C409030 6LBSH  
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

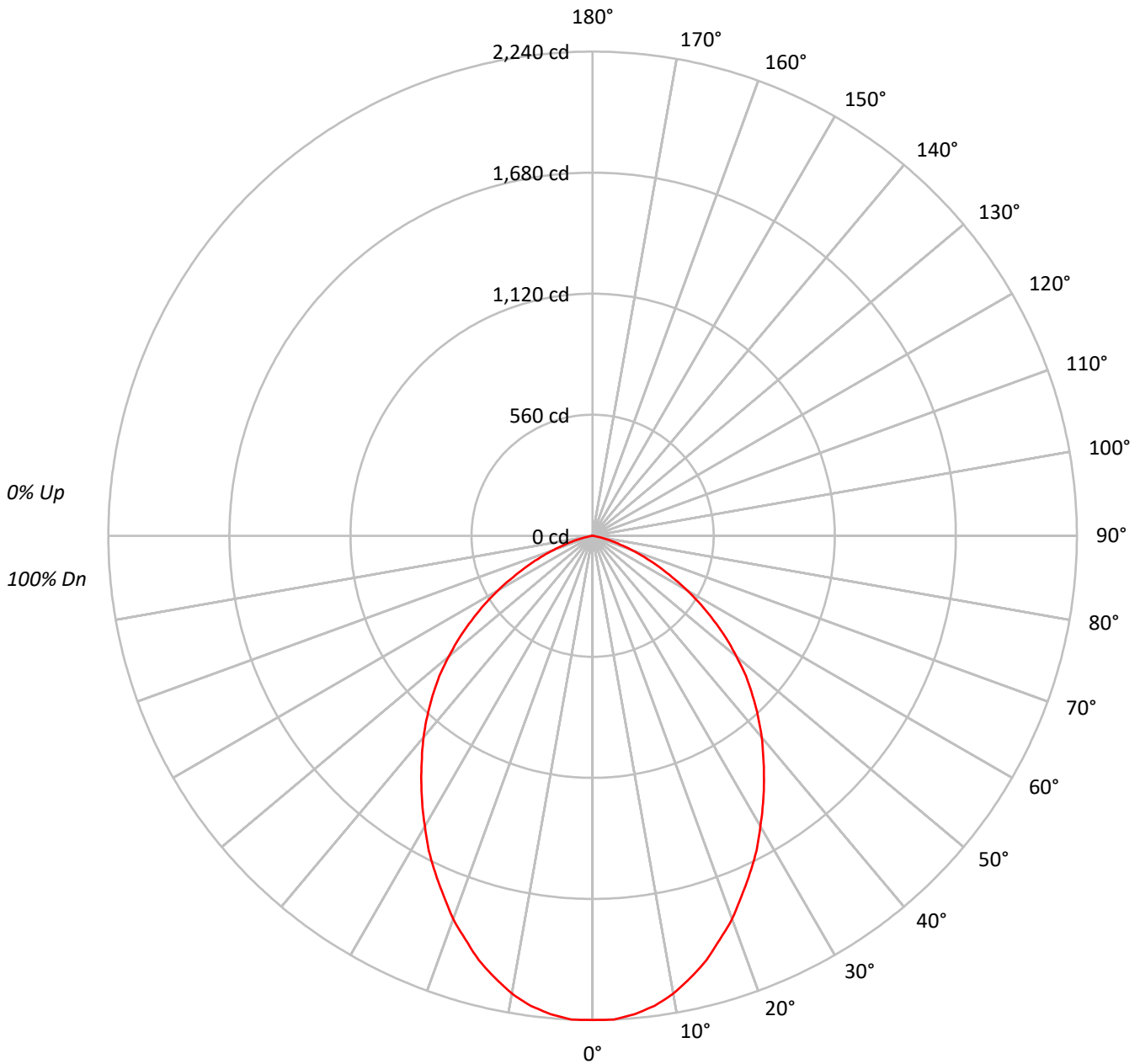
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4284.0 lumens  
Efficiency: N/A  
Efficacy: 91.1 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): 47  
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°	122825
5°	122254
10°	119732
15°	115375
20°	110073
25°	104141
30°	98230
35°	92494
40°	87092
45°	81179
50°	74019
55°	65374
60°	55335
65°	43442
70°	30999
75°	16987
80°	2999
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.9	4.9
10°-20°	570.4	13.3
20°-30°	792.2	18.5
30°-40°	864.5	20.2
40°-50°	806.4	18.8
50°-60°	612.1	14.3
60°-70°	335.1	7.8
70°-80°	92.3	2.2
80°-90°	1.3	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°	1572.4	36.7
0°-40°	2436.9	56.9
0°-60°	3855.4	90.0
0°-90°	4284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4284.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2240	
5°	2222	210
15°	2033	570
25°	1722	792
35°	1382	864
45°	1047	806
55°	684	612
65°	335	335
75°	80	92
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2240.5
2.5°	2240.5
5°	2221.6
7.5°	2193.3
10°	2150.9
12.5°	2094.3
15°	2032.9
17.5°	1957.5
20°	1886.8
22.5°	1801.8
25°	1721.7
27.5°	1641.5
30°	1551.8
32.5°	1466.9
35°	1382.1
37.5°	1297.2
40°	1217.0
42.5°	1132.1
45°	1047.1
47.5°	962.2
50°	867.9
52.5°	778.3
55°	684.0
57.5°	594.3
60°	504.7
62.5°	415.1
65°	334.9
67.5°	259.4
70°	193.4
72.5°	132.1
75°	80.2
77.5°	37.8
80°	9.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)