

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: P684117

Luminaire Tested: **LX6C20D010 EX6C209040 6LBSH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684117  
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: LX6C20D010 EX6C209040 6LBSH  
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

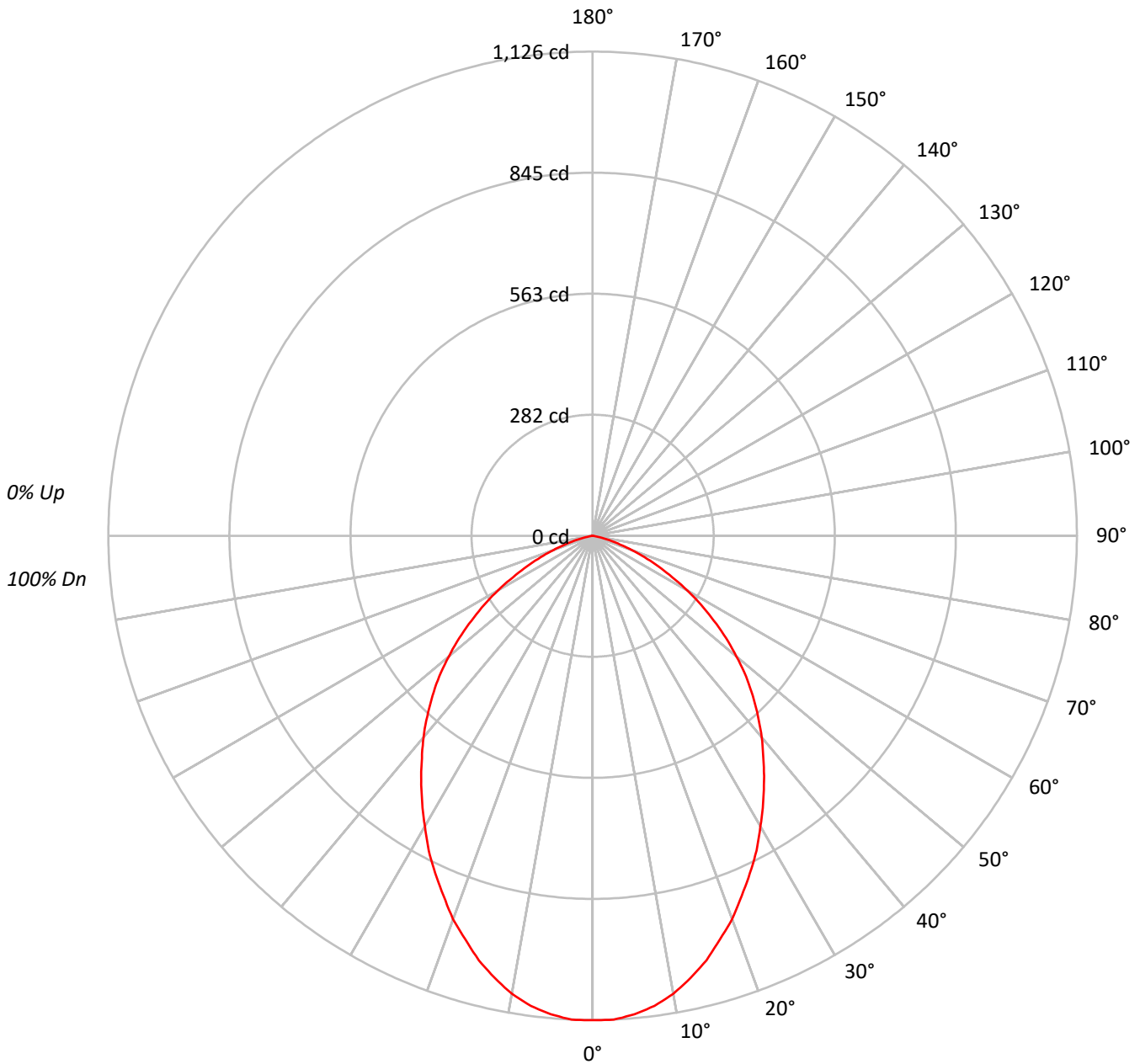
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2154.0 lumens  
Efficiency: N/A  
Efficacy: 98.8 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): 21.8  
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

TEST NUMBER: P684117

CATALOG NUMBER: LX6C20D010 EX6C209040 6LBSH

### Luminous Intensity Polar Plot





TEST NUMBER: P684117

CATALOG NUMBER: LX6C20D010 EX6C209040 6LBSH

**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°	61755
5°	61468
10°	60203
15°	58014
20°	55346
25°	52358
30°	49394
35°	46505
40°	43789
45°	40818
50°	37218
55°	32869
60°	27827
65°	21844
70°	15580
75°	8536
80°	1515
85°	0



TEST NUMBER: P684117

CATALOG NUMBER: LX6C20D010 EX6C209040 6LBSH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.5	4.9
10°-20°	286.8	13.3
20°-30°	398.3	18.5
30°-40°	434.7	20.2
40°-50°	405.5	18.8
50°-60°	307.7	14.3
60°-70°	168.5	7.8
70°-80°	46.4	2.2
80°-90°	0.7	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°	790.6	36.7
0°-40°	1225.3	56.9
0°-60°	1938.5	90.0
0°-90°	2154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2154.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1126	
5°	1117	106
15°	1022	287
25°	866	398
35°	695	435
45°	526	405
55°	344	308
65°	168	168
75°	40	46
85°	0	1
90°	0	



TEST NUMBER: P684117

CATALOG NUMBER: LX6C20D010 EX6C209040 6LBSH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1126.5
2.5°	1126.5
5°	1117.0
7.5°	1102.8
10°	1081.5
12.5°	1053.0
15°	1022.2
17.5°	984.2
20°	948.7
22.5°	906.0
25°	865.6
27.5°	825.3
30°	780.3
32.5°	737.6
35°	694.9
37.5°	652.2
40°	611.9
42.5°	569.2
45°	526.5
47.5°	483.8
50°	436.4
52.5°	391.3
55°	343.9
57.5°	298.8
60°	253.8
62.5°	208.7
65°	168.4
67.5°	130.4
70°	97.2
72.5°	66.4
75°	40.3
77.5°	19.0
80°	4.8
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)