

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: P684689

Luminaire Tested: **LX6C90D010 EX6C909030 6LBWH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684689  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C90D010 EX6C909030 6LBWH  
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

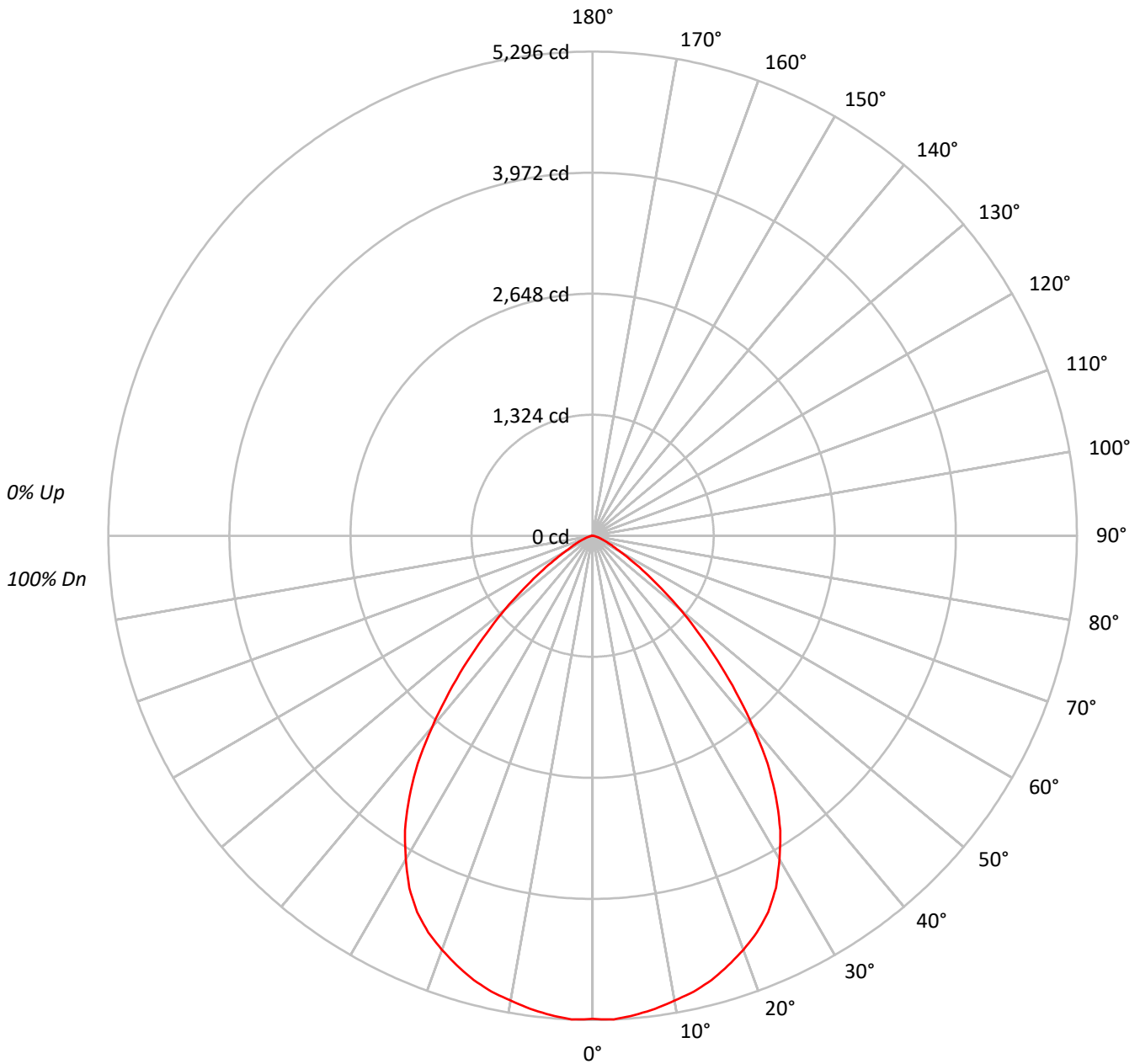
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8569.0 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 97.1  
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: P684689

CATALOG NUMBER: LX6C90D010 EX6C909030 6LBWH

### Luminous Intensity Polar Plot





TEST NUMBER: P684689

CATALOG NUMBER: LX6C90D010 EX6C909030 6LBWH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91																			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81																			
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73																			
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65																			
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59																			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53																			
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49																			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																			
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41																			
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38																			

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

	0°
0°	289725
5°	289626
10°	287397
15°	285473
20°	281121
25°	274697
30°	258647
35°	234077
40°	195459
45°	149767
50°	106069
55°	66875
60°	37727
65°	24490
70°	15996
75°	11755
80°	7072
85°	7045



TEST NUMBER: P684689

CATALOG NUMBER: LX6C90D010 EX6C909030 6LBWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	499.2	5.8
10°-20°	1416.4	16.5
20°-30°	2076.8	24.2
30°-40°	2161.4	25.2
40°-50°	1495.4	17.5
50°-60°	651.1	7.6
60°-70°	199.7	2.3
70°-80°	59.8	0.7
80°-90°	9.1	0.1
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°	3992.4	46.6
0°-40°	6153.8	71.8
0°-60°	8300.3	96.9
0°-90°	8569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8569.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5285	
5°	5263	499
15°	5030	1416
25°	4541	2077
35°	3498	2161
45°	1932	1495
55°	700	651
65°	189	200
75°	56	60
85°	11	9
90°	0	



TEST NUMBER: P684689

CATALOG NUMBER: LX6C90D010 EX6C909030 6LBWH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5285.0
2.5°	5296.2
5°	5263.1
7.5°	5218.8
10°	5162.9
12.5°	5107.4
15°	5030.0
17.5°	4929.8
20°	4818.8
22.5°	4696.7
25°	4541.4
27.5°	4341.5
30°	4086.0
32.5°	3819.4
35°	3497.7
37.5°	3142.4
40°	2731.3
42.5°	2320.6
45°	1931.8
47.5°	1565.4
50°	1243.7
52.5°	944.0
55°	699.7
57.5°	499.7
60°	344.1
62.5°	255.5
65°	188.8
67.5°	144.5
70°	99.8
72.5°	77.8
75°	55.5
77.5°	33.1
80°	22.4
82.5°	11.2
85°	11.2
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)