

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: P684660

Luminaire Tested: **LX6C80D010 EX6C809040 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684660  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C80D010 EX6C809040 6LBMDH  
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

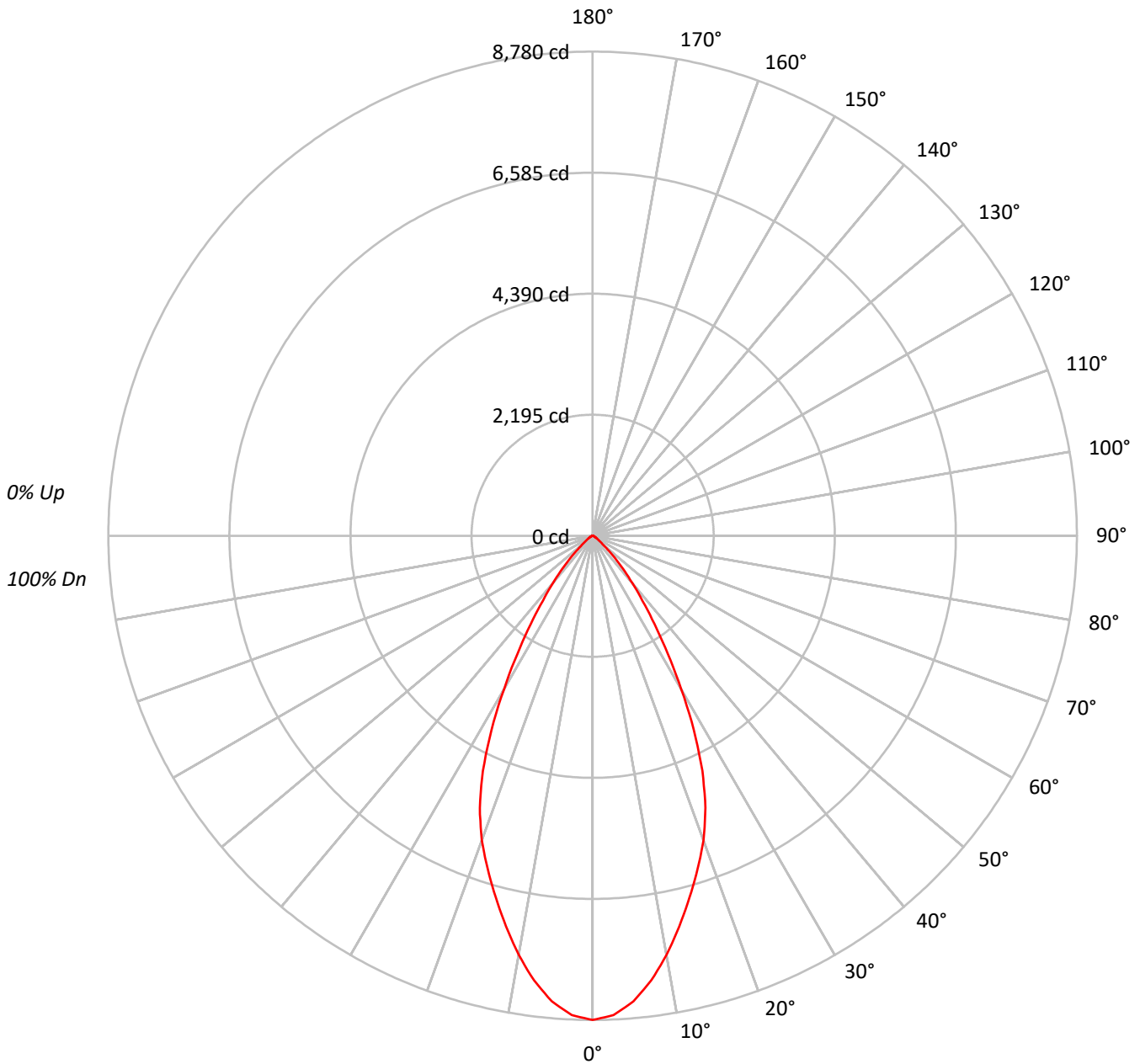
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6679.9 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 89.5  
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: P684660

CATALOG NUMBER: LX6C80D010 EX6C809040 6LBMDH

### Luminous Intensity Polar Plot





TEST NUMBER: P684660

CATALOG NUMBER: LX6C80D010 EX6C809040 6LBMDH

**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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54			
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51			

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

	0°
0°	481316
5°	466420
10°	429495
15°	385229
20°	342761
25°	284635
30°	203354
35°	130721
40°	79656
45°	44284
50°	19616
55°	11364
60°	7477
65°	5305
70°	3751
75°	2881
80°	1831
85°	1195



TEST NUMBER: P684660

CATALOG NUMBER: LX6C80D010 EX6C809040 6LBMDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	784.6	11.7
10°-20°	1899.0	28.4
20°-30°	2111.9	31.6
30°-40°	1251.4	18.7
40°-50°	458.4	6.9
50°-60°	115.2	1.7
60°-70°	42.0	0.6
70°-80°	14.6	0.2
80°-90°	2.9	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°	4795.5	71.8
0°-40°	6046.8	90.5
0°-60°	6620.4	99.1
0°-90°	6679.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6679.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8780	
5°	8476	785
15°	6788	1899
25°	4706	2112
35°	1953	1251
45°	571	458
55°	119	115
65°	41	42
75°	14	15
85°	2	3
90°	0	



TEST NUMBER: P684660

CATALOG NUMBER: LX6C80D010 EX6C809040 6LBMDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8779.9
2.5°	8701.9
5°	8475.8
7.5°	8132.7
10°	7715.6
12.5°	7255.5
15°	6787.7
17.5°	6333.5
20°	5875.4
22.5°	5343.2
25°	4705.7
27.5°	3972.8
30°	3212.5
32.5°	2532.2
35°	1953.3
37.5°	1483.5
40°	1113.1
42.5°	810.9
45°	571.2
47.5°	362.6
50°	230.0
52.5°	161.8
55°	118.9
57.5°	89.7
60°	68.2
62.5°	52.6
65°	40.9
67.5°	31.2
70°	23.4
72.5°	17.5
75°	13.6
77.5°	9.7
80°	5.8
82.5°	3.9
85°	1.9
87.5°	1.9
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)