

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: P684550

Luminaire Tested: **LX6C70D010 EX6C709050 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684550
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: LX6C70D010 EX6C709050 6LBMDH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

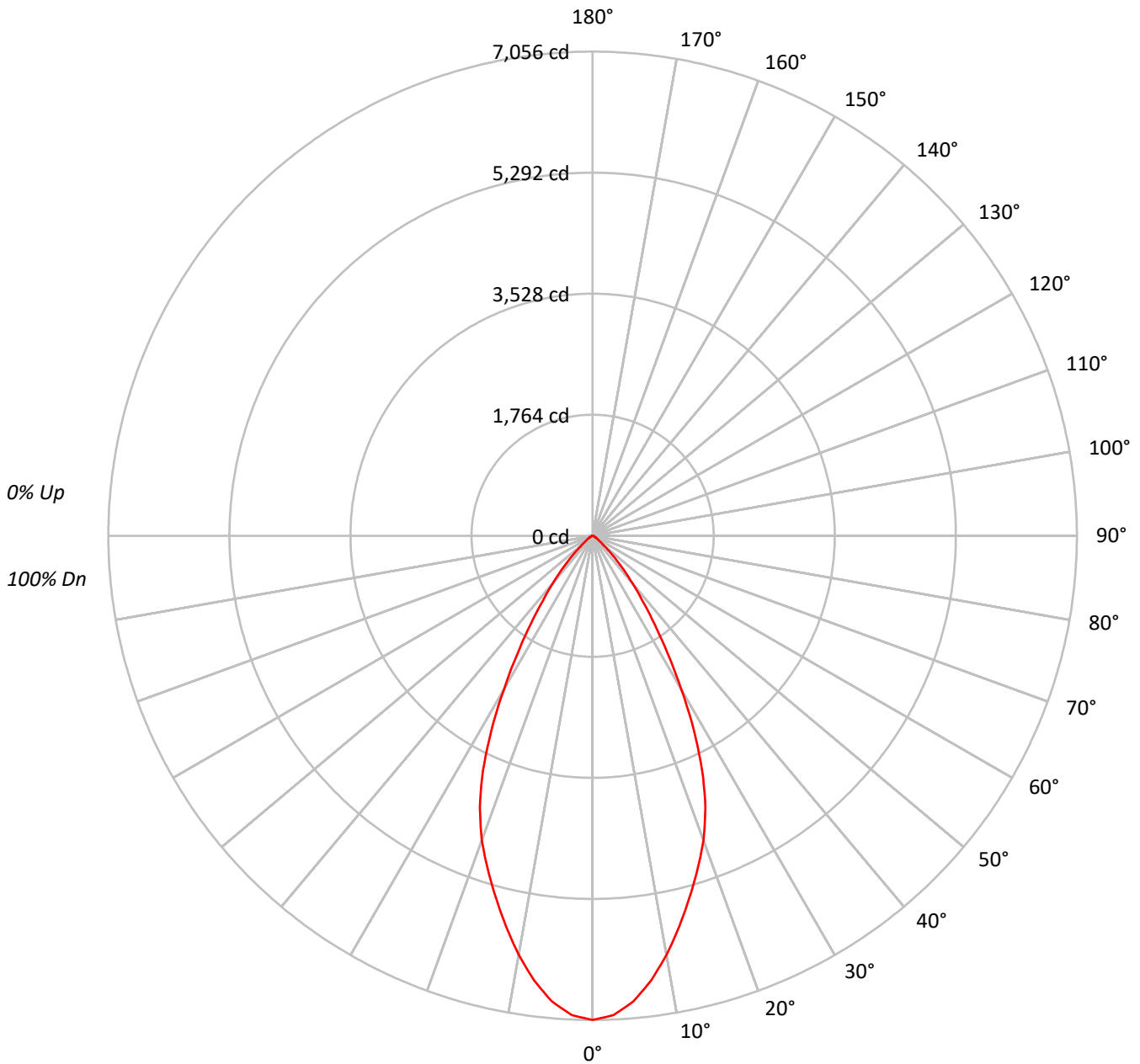
Lumens per Lamp: N/A
Luminaire Lumens: 5368.0 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
Input Voltage (V):
Input Current (A_{in}): 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: P684550

CATALOG NUMBER: LX6C70D010 EX6C709050 6LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P684550

CATALOG NUMBER: LX6C70D010 EX6C709050 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°	386784
5°	374812
10°	345139
15°	309565
20°	275439
25°	228733
30°	163418
35°	105042
40°	64013
45°	35585
50°	15761
55°	9137
60°	6008
65°	4268
70°	3013
75°	2330
80°	1484
85°	1006



TEST NUMBER: P684550

CATALOG NUMBER: LX6C70D010 EX6C709050 6LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	630.5	11.7
10°-20°	1526.0	28.4
20°-30°	1697.1	31.6
30°-40°	1005.6	18.7
40°-50°	368.4	6.9
50°-60°	92.6	1.7
60°-70°	33.8	0.6
70°-80°	11.8	0.2
80°-90°	2.4	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°	3853.6	71.8
0°-40°	4859.2	90.5
0°-60°	5320.1	99.1
0°-90°	5368.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5368.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7056	
5°	6811	630
15°	5454	1526
25°	3782	1697
35°	1570	1006
45°	459	368
55°	96	93
65°	33	34
75°	11	12
85°	2	2
90°	0	



TEST NUMBER: P684550

CATALOG NUMBER: LX6C70D010 EX6C709050 6LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	7055.5
2.5°	6992.8
5°	6811.1
7.5°	6535.4
10°	6200.2
12.5°	5830.5
15°	5454.5
17.5°	5089.5
20°	4721.4
22.5°	4293.7
25°	3781.5
27.5°	3192.5
30°	2581.6
32.5°	2034.9
35°	1569.6
37.5°	1192.1
40°	894.5
42.5°	651.7
45°	459.0
47.5°	291.4
50°	184.8
52.5°	130.0
55°	95.6
57.5°	72.1
60°	54.8
62.5°	42.3
65°	32.9
67.5°	25.1
70°	18.8
72.5°	14.1
75°	11.0
77.5°	7.8
80°	4.7
82.5°	3.1
85°	1.6
87.5°	1.6
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)