

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: P684558

Luminaire Tested: **LX6C70D010 EX6C709730 6LBSH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684558
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: LX6C70D010 EX6C709730 6LBSH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

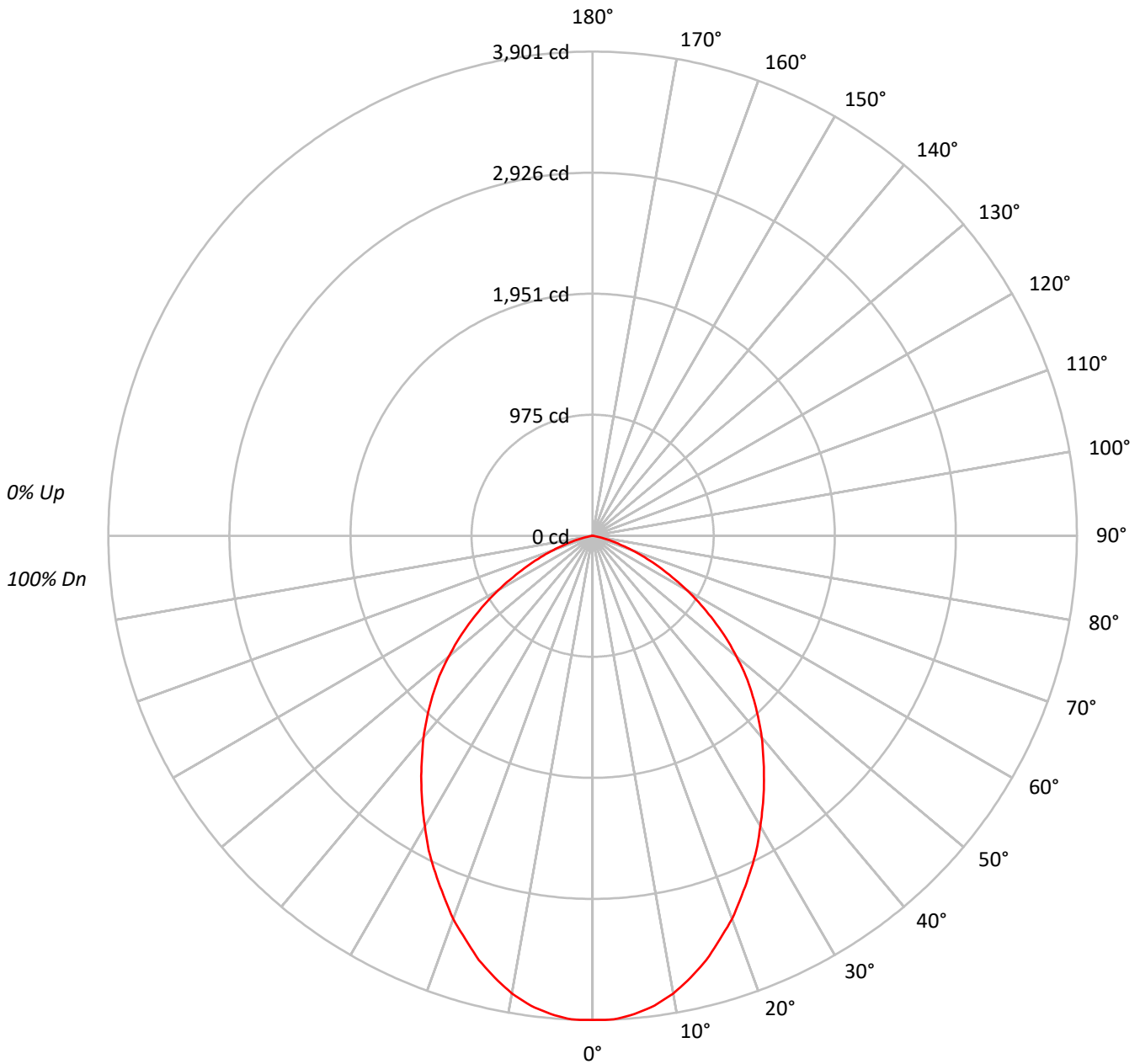
Lumens per Lamp: N/A
Luminaire Lumens: 7459.0 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P684558

CATALOG NUMBER: LX6C70D010 EX6C709730 6LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P684558

CATALOG NUMBER: LX6C70D010 EX6C709730 6LBSH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77				77
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67				67
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58				58
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51				51
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46				46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41				41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37				37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34				34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31				31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	213859
5°	212860
10°	208469
15°	200887
20°	191647
25°	181317
30°	171033
35°	161044
40°	151634
45°	141348
50°	128883
55°	113822
60°	96341
65°	75650
70°	53983
75°	29569
80°	5209
85°	0



TEST NUMBER: P684558

CATALOG NUMBER: LX6C70D010 EX6C709730 6LBSH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.4	4.9
10°-20°	993.1	13.3
20°-30°	1379.2	18.5
30°-40°	1505.1	20.2
40°-50°	1404.0	18.8
50°-60°	1065.7	14.3
60°-70°	583.5	7.8
70°-80°	160.6	2.2
80°-90°	2.2	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°	2737.8	36.7
0°-40°	4242.9	56.9
0°-60°	6712.6	90.0
0°-90°	7459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7459.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3901	
5°	3868	365
15°	3540	993
25°	2998	1379
35°	2406	1505
45°	1823	1404
55°	1191	1066
65°	583	584
75°	140	161
85°	0	2
90°	0	



TEST NUMBER: P684558

CATALOG NUMBER: LX6C70D010 EX6C709730 6LBSH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3901.1
2.5°	3901.1
5°	3868.1
7.5°	3818.8
10°	3745.0
12.5°	3646.4
15°	3539.6
17.5°	3408.2
20°	3285.1
22.5°	3137.2
25°	2997.6
27.5°	2858.0
30°	2701.9
32.5°	2554.1
35°	2406.4
37.5°	2258.5
40°	2118.9
42.5°	1971.1
45°	1823.2
47.5°	1675.3
50°	1511.2
52.5°	1355.1
55°	1190.9
57.5°	1034.8
60°	878.7
62.5°	722.8
65°	583.2
67.5°	451.6
70°	336.8
72.5°	229.9
75°	139.6
77.5°	65.8
80°	16.5
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)