

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: P563898

Luminaire Tested: **LX6C10D010 EX6C109030 6LBSH**

Issue Date: 2/15/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P563898
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: LX6C10D010 EX6C109030 6LBSH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

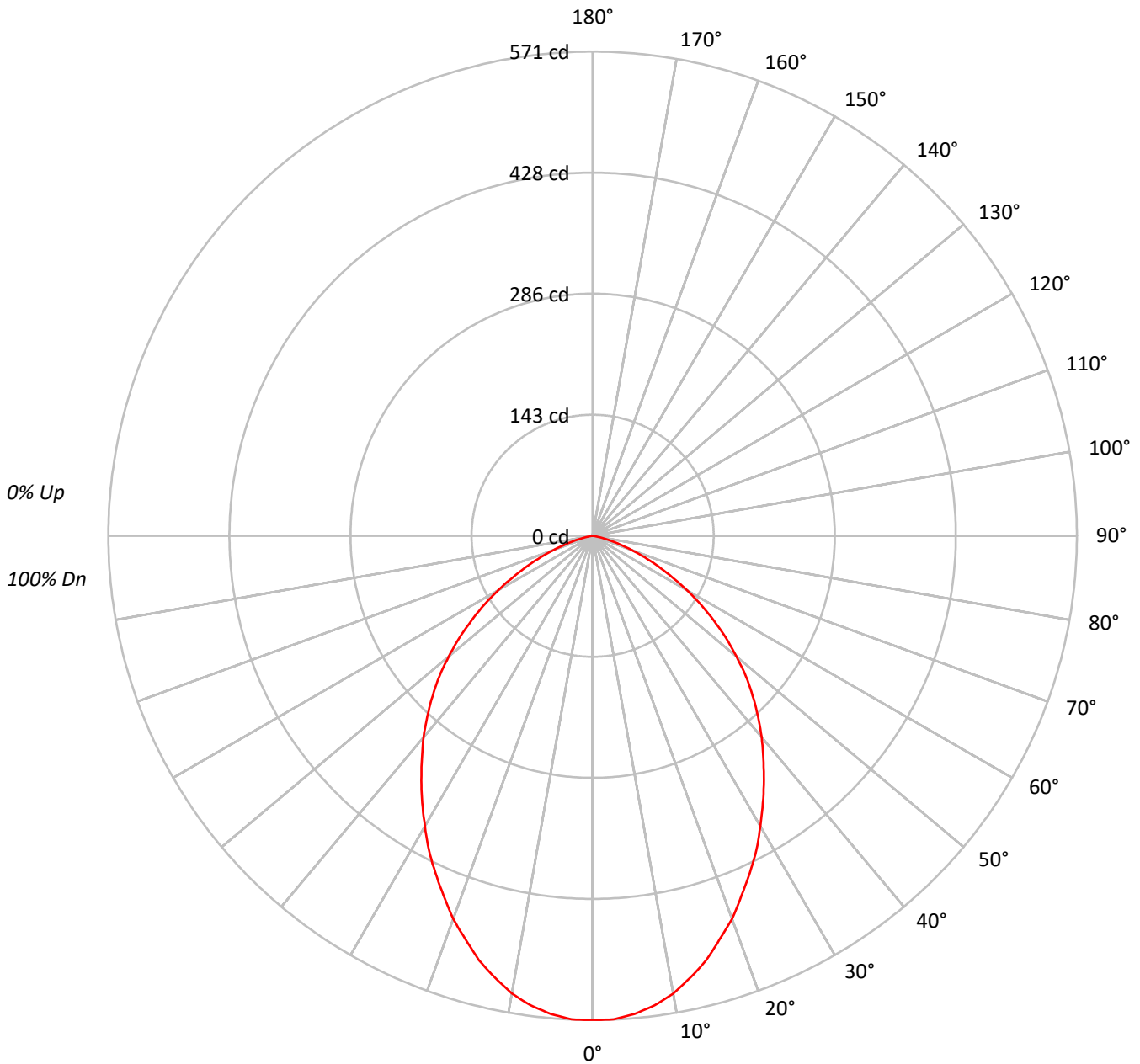
Lumens per Lamp: N/A
Luminaire Lumens: 1091.5 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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: P563898

CATALOG NUMBER: LX6C10D010 EX6C109030 6LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P563898

CATALOG NUMBER: LX6C10D010 EX6C109030 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°	31297
5°	31147
10°	30505
15°	29399
20°	28043
25°	26530
30°	25029
35°	23570
40°	22184
45°	20684
50°	18857
55°	16649
60°	14100
65°	11065
70°	7886
75°	4321
80°	758
85°	0



TEST NUMBER: P563898

CATALOG NUMBER: LX6C10D010 EX6C109030 6LBSH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.5	4.9
10°-20°	145.3	13.3
20°-30°	201.8	18.5
30°-40°	220.2	20.2
40°-50°	205.4	18.8
50°-60°	155.9	14.3
60°-70°	85.4	7.8
70°-80°	23.5	2.2
80°-90°	0.3	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°	400.6	36.7
0°-40°	620.9	56.9
0°-60°	982.2	90.0
0°-90°	1091.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1091.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	571	
5°	566	53
15°	518	145
25°	439	202
35°	352	220
45°	267	205
55°	174	156
65°	85	85
75°	20	24
85°	0	0
90°	0	



TEST NUMBER: P563898

CATALOG NUMBER: LX6C10D010 EX6C109030 6LBSH

CANDELA DISTRIBUTION (FULL):

	0°
0°	570.9
2.5°	570.9
5°	566.0
7.5°	558.7
10°	548.0
12.5°	533.5
15°	518.0
17.5°	498.7
20°	480.7
22.5°	459.1
25°	438.6
27.5°	418.2
30°	395.4
32.5°	373.7
35°	352.2
37.5°	330.5
40°	310.0
42.5°	288.4
45°	266.8
47.5°	245.1
50°	221.1
52.5°	198.3
55°	174.2
57.5°	151.5
60°	128.6
62.5°	105.8
65°	85.3
67.5°	66.1
70°	49.2
72.5°	33.7
75°	20.4
77.5°	9.7
80°	2.4
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)