

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: P683939

Luminaire Tested: **LX6C100D010 EX6C1009730 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P683939
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: LX6C100D010 EX6C1009730 6LBSH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

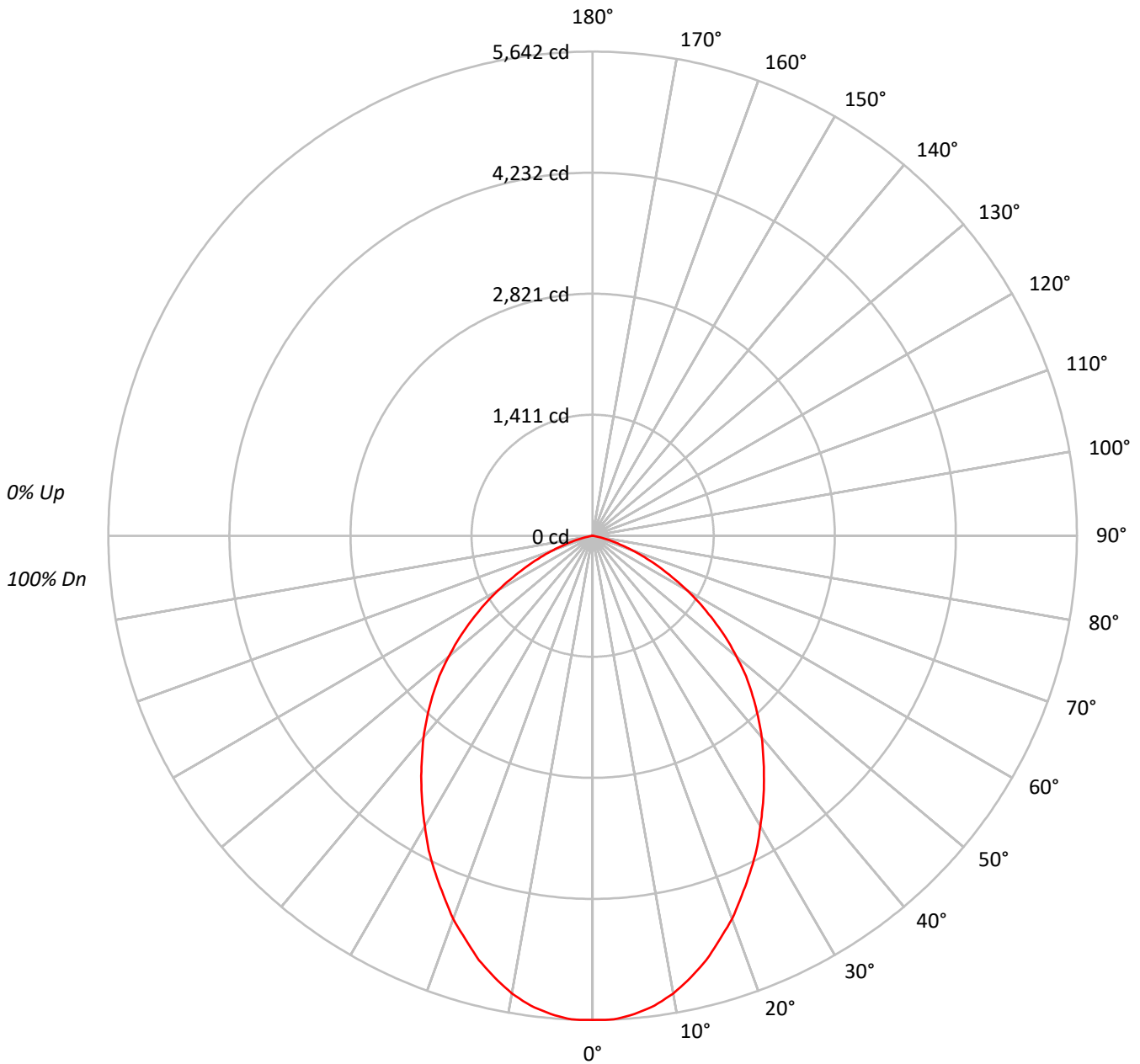
Lumens per Lamp: N/A
Luminaire Lumens: 10788.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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: P683939

CATALOG NUMBER: LX6C100D010 EX6C1009730 6LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P683939

CATALOG NUMBER: LX6C100D010 EX6C1009730 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°	309301
5°	307857
10°	301509
15°	290541
20°	277177
25°	262243
30°	247367
35°	232919
40°	219311
45°	204432
50°	186399
55°	164620
60°	139342
65°	109415
70°	78058
75°	42764
80°	7514
85°	0



TEST NUMBER: P683939

CATALOG NUMBER: LX6C100D010 EX6C1009730 6LBSH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.5	4.9
10°-20°	1436.4	13.3
20°-30°	1994.8	18.5
30°-40°	2176.9	20.2
40°-50°	2030.7	18.8
50°-60°	1541.3	14.3
60°-70°	844.0	7.8
70°-80°	232.2	2.2
80°-90°	3.2	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°	3959.7	36.7
0°-40°	6136.5	56.9
0°-60°	9708.6	90.0
0°-90°	10788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10788.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5642	
5°	5594	528
15°	5119	1436
25°	4336	1995
35°	3480	2177
45°	2637	2031
55°	1722	1541
65°	844	844
75°	202	232
85°	0	3
90°	0	



TEST NUMBER: P683939

CATALOG NUMBER: LX6C100D010 EX6C1009730 6LBSH

CANDELA DISTRIBUTION (FULL):

	0°
0°	5642.1
2.5°	5642.1
5°	5594.4
7.5°	5523.2
10°	5416.4
12.5°	5273.8
15°	5119.3
17.5°	4929.3
20°	4751.2
22.5°	4537.4
25°	4335.5
27.5°	4133.6
30°	3907.8
32.5°	3693.9
35°	3480.4
37.5°	3266.5
40°	3064.6
42.5°	2850.7
45°	2636.9
47.5°	2423.1
50°	2185.6
52.5°	1959.9
55°	1722.4
57.5°	1496.7
60°	1270.9
62.5°	1045.4
65°	843.5
67.5°	653.2
70°	487.0
72.5°	332.6
75°	201.9
77.5°	95.1
80°	23.8
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)