

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: P684702

Luminaire Tested: **LX6C90D010 EX6C909040 6LBSH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684702
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: LX6C90D010 EX6C909040 6LBSH
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

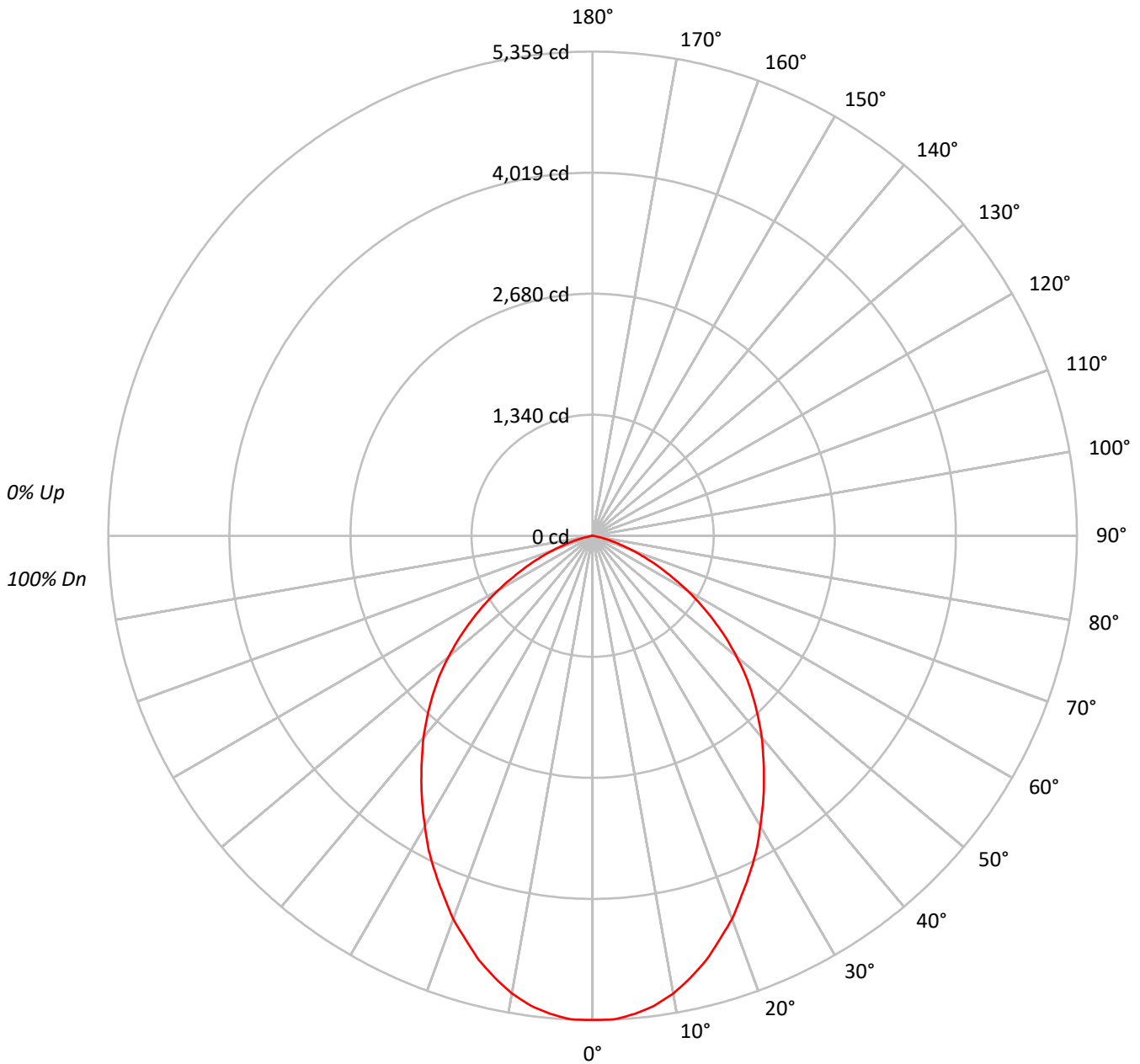
Lumens per Lamp: N/A
Luminaire Lumens: 10246.0 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 97.1
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: P684702

CATALOG NUMBER: LX6C90D010 EX6C909040 6LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P684702

CATALOG NUMBER: LX6C90D010 EX6C909040 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°	293765
5°	292394
10°	286356
15°	275944
20°	263252
25°	249069
30°	234941
35°	221214
40°	208290
45°	194160
50°	177035
55°	156353
60°	132336
65°	103915
70°	74147
75°	40625
80°	7135
85°	0



TEST NUMBER: P684702

CATALOG NUMBER: LX6C90D010 EX6C909040 6LBSH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.9	4.9
10°-20°	1364.2	13.3
20°-30°	1894.6	18.5
30°-40°	2067.5	20.2
40°-50°	1928.6	18.8
50°-60°	1463.9	14.3
60°-70°	801.6	7.8
70°-80°	220.6	2.2
80°-90°	3.1	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°	3760.7	36.7
0°-40°	5828.2	56.9
0°-60°	9220.8	90.0
0°-90°	10246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10246.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5359	
5°	5313	502
15°	4862	1364
25°	4118	1895
35°	3306	2067
45°	2504	1929
55°	1636	1464
65°	801	802
75°	192	221
85°	0	3
90°	0	



TEST NUMBER: P684702

CATALOG NUMBER: LX6C90D010 EX6C909040 6LBSH

CANDELA DISTRIBUTION (FULL):

	0°
0°	5358.7
2.5°	5358.7
5°	5313.4
7.5°	5245.7
10°	5144.2
12.5°	5008.8
15°	4862.1
17.5°	4681.7
20°	4512.5
22.5°	4309.4
25°	4117.7
27.5°	3925.9
30°	3711.5
32.5°	3508.4
35°	3305.5
37.5°	3102.4
40°	2910.6
42.5°	2707.5
45°	2504.4
47.5°	2301.3
50°	2075.8
52.5°	1861.4
55°	1635.9
57.5°	1421.5
60°	1207.0
62.5°	992.9
65°	801.1
67.5°	620.4
70°	462.6
72.5°	315.9
75°	191.8
77.5°	90.3
80°	22.6
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)