

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: P684061

Luminaire Tested: **LX6C15D010 EX6C159035 6LBSH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684061
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: LX6C15D010 EX6C159035 6LBSH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

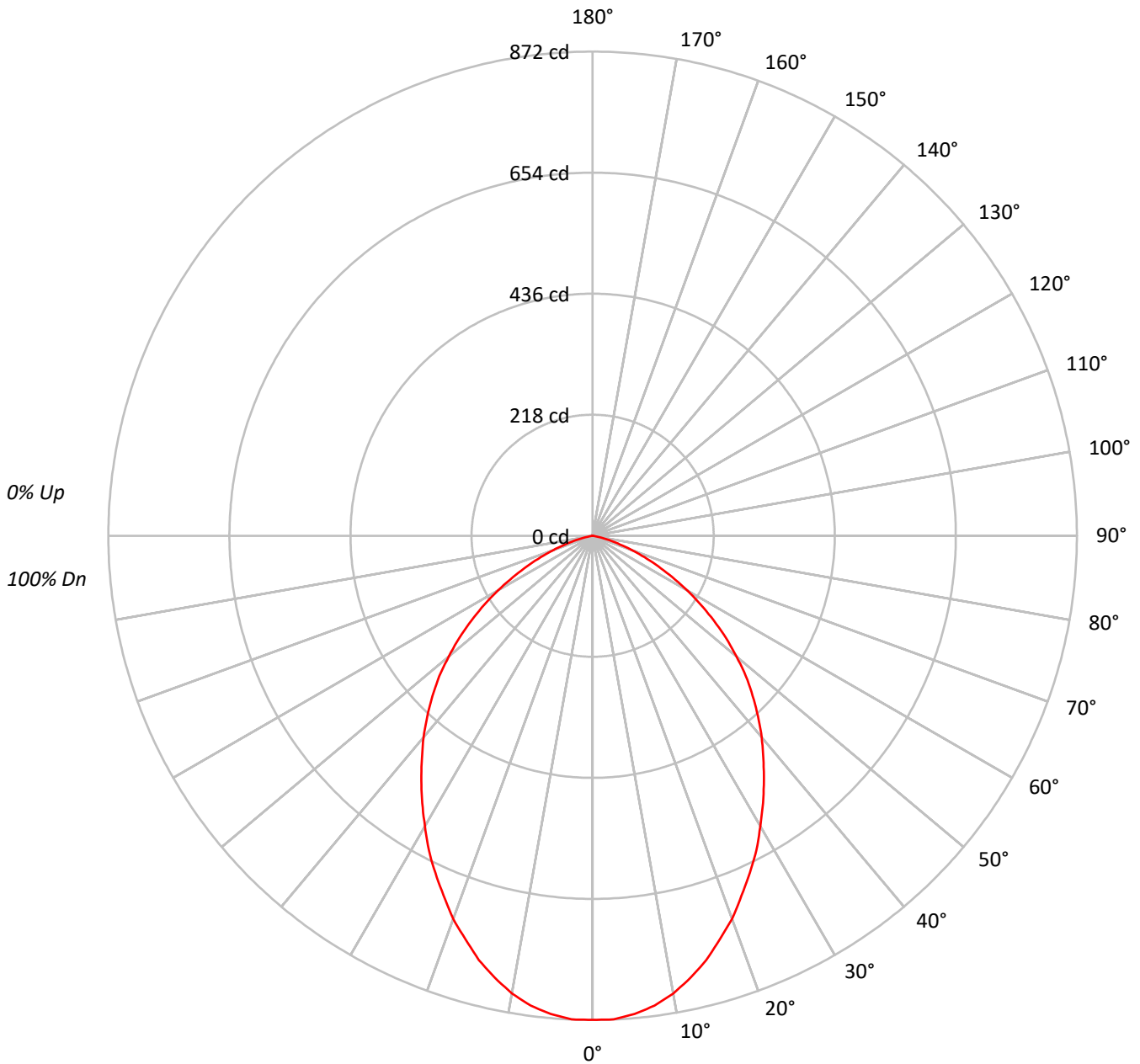
Lumens per Lamp: N/A
Luminaire Lumens: 1667.0 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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: P684061

CATALOG NUMBER: LX6C15D010 EX6C159035 6LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P684061

CATALOG NUMBER: LX6C15D010 EX6C159035 6LBSH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	47792
5°	47573
10°	46592
15°	44898
20°	42832
25°	40520
30°	38221
35°	35991
40°	33892
45°	31592
50°	28801
55°	25442
60°	21533
65°	16902
70°	12069
75°	6608
80°	1168
85°	0



TEST NUMBER: P684061

CATALOG NUMBER: LX6C15D010 EX6C159035 6LBSH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	4.9
10°-20°	222.0	13.3
20°-30°	308.2	18.5
30°-40°	336.4	20.2
40°-50°	313.8	18.8
50°-60°	238.2	14.3
60°-70°	130.4	7.8
70°-80°	35.9	2.2
80°-90°	0.5	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°	611.9	36.7
0°-40°	948.2	56.9
0°-60°	1500.2	90.0
0°-90°	1667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1667.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	872	
5°	864	82
15°	791	222
25°	670	308
35°	538	336
45°	408	314
55°	266	238
65°	130	130
75°	31	36
85°	0	1
90°	0	



TEST NUMBER: P684061

CATALOG NUMBER: LX6C15D010 EX6C159035 6LBSH

CANDELA DISTRIBUTION (FULL):

	0°
0°	871.8
2.5°	871.8
5°	864.5
7.5°	853.5
10°	837.0
12.5°	814.9
15°	791.1
17.5°	761.7
20°	734.2
22.5°	701.1
25°	669.9
27.5°	638.7
30°	603.8
32.5°	570.8
35°	537.8
37.5°	504.8
40°	473.6
42.5°	440.5
45°	407.5
47.5°	374.4
50°	337.7
52.5°	302.8
55°	266.2
57.5°	231.3
60°	196.4
62.5°	161.5
65°	130.3
67.5°	100.9
70°	75.3
72.5°	51.4
75°	31.2
77.5°	14.7
80°	3.7
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)