

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: P684979

Luminaire Tested: **LX6C35D010 EX6359040 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C35D010 EX6359040 6LBSLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

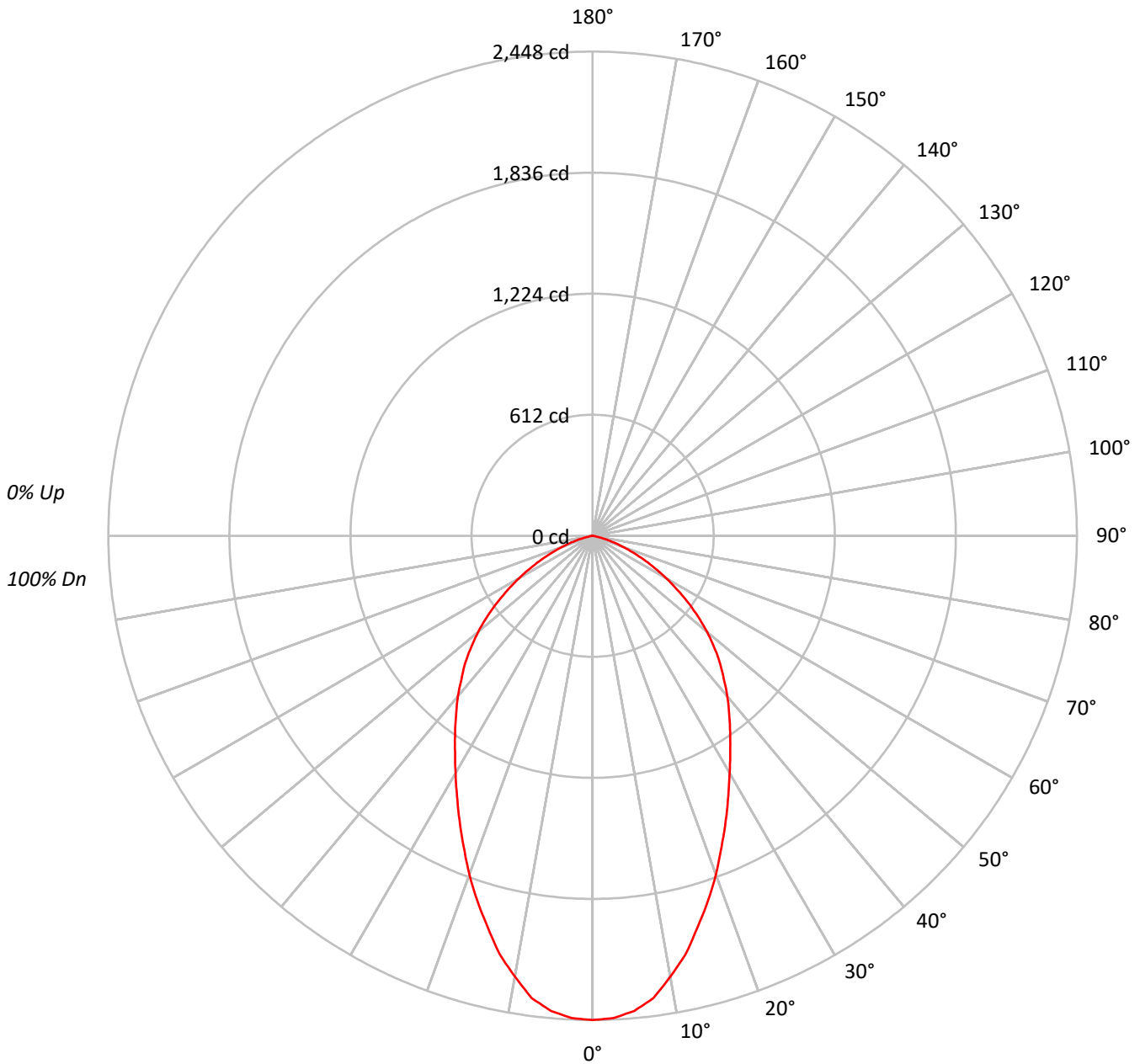
Lumens per Lamp: N/A
Luminaire Lumens: 3880.0 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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: P684979

CATALOG NUMBER: LX6C35D010 EX6359040 6LBSLI

Luminous Intensity Polar Plot





TEST NUMBER: P684979

CATALOG NUMBER: LX6C35D010 EX6359040 6LBSLI

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			100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			60
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			47
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134227
5°	132698
10°	125966
15°	116266
20°	106287
25°	96241
30°	87672
35°	81104
40°	75806
45°	70620
50°	64331
55°	56333
60°	47003
65°	36891
70°	25774
75°	13958
80°	2620
85°	0



TEST NUMBER: P684979

CATALOG NUMBER: LX6C35D010 EX6359040 6LBSLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.6	5.8
10°-20°	574.4	14.8
20°-30°	732.5	18.9
30°-40°	759.6	19.6
40°-50°	699.9	18.0
50°-60°	526.5	13.6
60°-70°	284.2	7.3
70°-80°	76.2	2.0
80°-90°	1.1	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°	1532.5	39.5
0°-40°	2292.1	59.1
0°-60°	3518.4	90.7
0°-90°	3880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3880.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2448	
5°	2411	226
15°	2049	574
25°	1591	732
35°	1212	760
45°	911	700
55°	589	526
65°	284	284
75°	66	76
85°	0	1
90°	0	



TEST NUMBER: P684979

CATALOG NUMBER: LX6C35D010 EX6359040 6LBSLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2448.5
2.5°	2440.3
5°	2411.4
7.5°	2357.8
10°	2262.9
12.5°	2168.2
15°	2048.6
17.5°	1937.4
20°	1821.9
22.5°	1702.4
25°	1591.1
27.5°	1484.0
30°	1385.0
32.5°	1294.3
35°	1211.9
37.5°	1133.5
40°	1059.3
42.5°	981.1
45°	910.9
47.5°	832.7
50°	754.3
52.5°	671.9
55°	589.4
57.5°	507.0
60°	428.7
62.5°	354.5
65°	284.4
67.5°	218.5
70°	160.8
72.5°	111.3
75°	65.9
77.5°	28.8
80°	8.3
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)