

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P252854

Luminaire Tested: **LD6B70D010TE EU6B60709727 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B70D010TE EU6B60709727 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6441.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

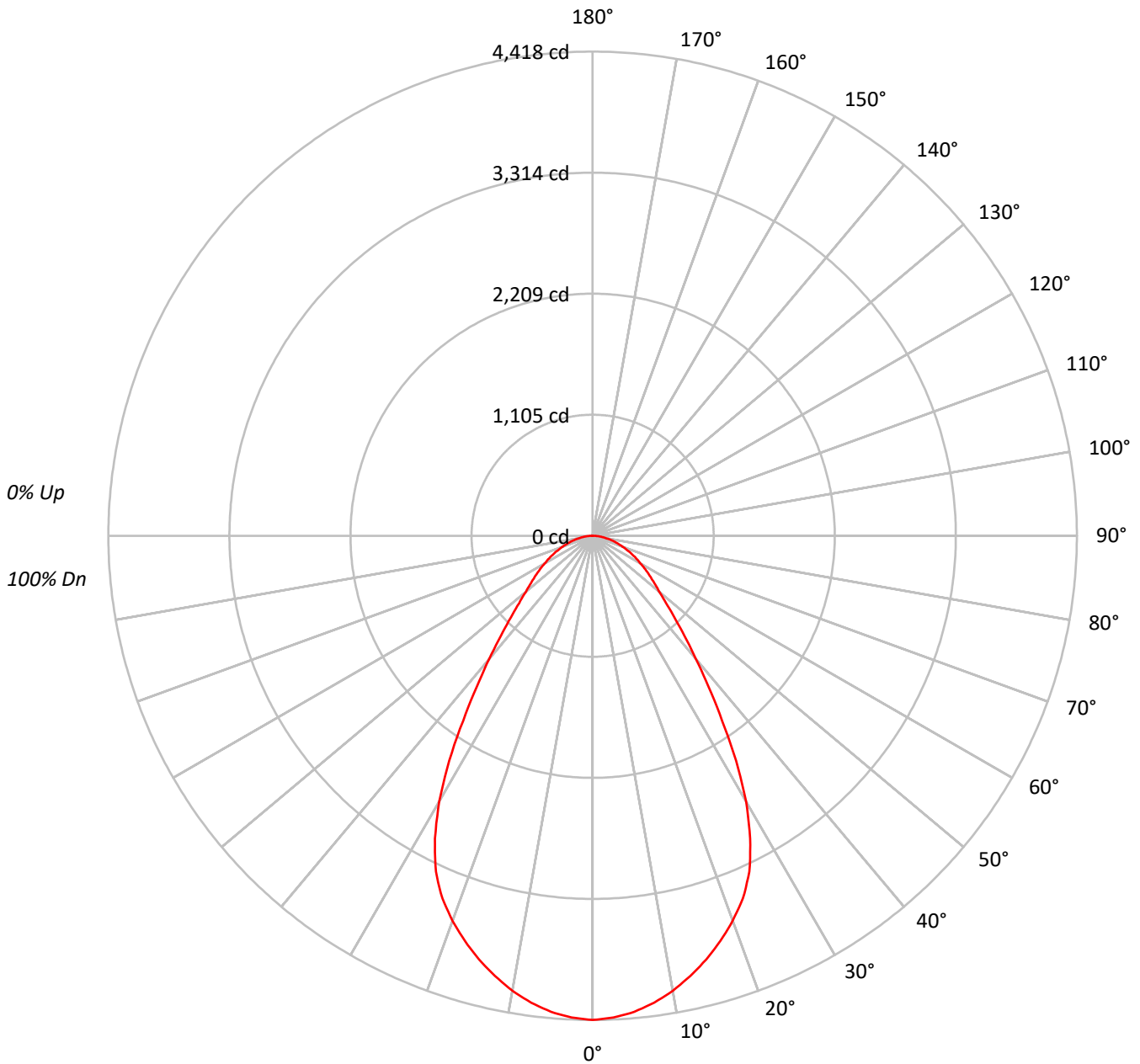
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252854

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252854

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBBA1MW

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	94	92	90	88			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	288220
5°	285568
10°	279278
15°	270411
20°	259493
25°	243597
30°	210790
35°	164123
40°	124742
45°	97237
50°	80659
55°	72386
60°	65906
65°	60823
70°	55871
75°	51775
80°	46813
85°	42817



TEST NUMBER: P252854

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.6	6.4
10°-20°	1124.9	17.5
20°-30°	1532.0	23.8
30°-40°	1296.4	20.1
40°-50°	831.6	12.9
50°-60°	572.3	8.9
60°-70°	391.0	6.1
70°-80°	217.5	3.4
80°-90°	63.7	1.0
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°	3068.5	47.6
0°-40°	4364.9	67.8
0°-60°	5768.8	89.6
0°-90°	6441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6441.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4418	
5°	4360	412
15°	4004	1125
25°	3384	1532
35°	2061	1296
45°	1054	832
55°	636	572
65°	394	391
75°	205	218
85°	57	64
90°	0	



TEST NUMBER: P252854

CATALOG NUMBER: LD6B70D010TE EU6B60709727 6LBB1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4417.8
2.5°	4400.9
5°	4360.5
7.5°	4296.5
10°	4215.7
12.5°	4114.7
15°	4003.6
17.5°	3875.6
20°	3737.6
22.5°	3582.7
25°	3384.0
27.5°	3114.7
30°	2798.1
32.5°	2434.5
35°	2060.7
37.5°	1734.1
40°	1464.7
42.5°	1239.1
45°	1053.9
47.5°	909.1
50°	794.7
52.5°	707.1
55°	636.4
57.5°	569.1
60°	505.1
62.5°	447.8
65°	394.0
67.5°	340.1
70°	292.9
72.5°	245.8
75°	205.4
77.5°	165.0
80°	124.6
82.5°	90.9
85°	57.2
87.5°	23.6
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)