

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: P252844

Luminaire Tested: **LD6B70D010TE EU6B60708030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252844
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 EU6B60708030 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9016.9 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

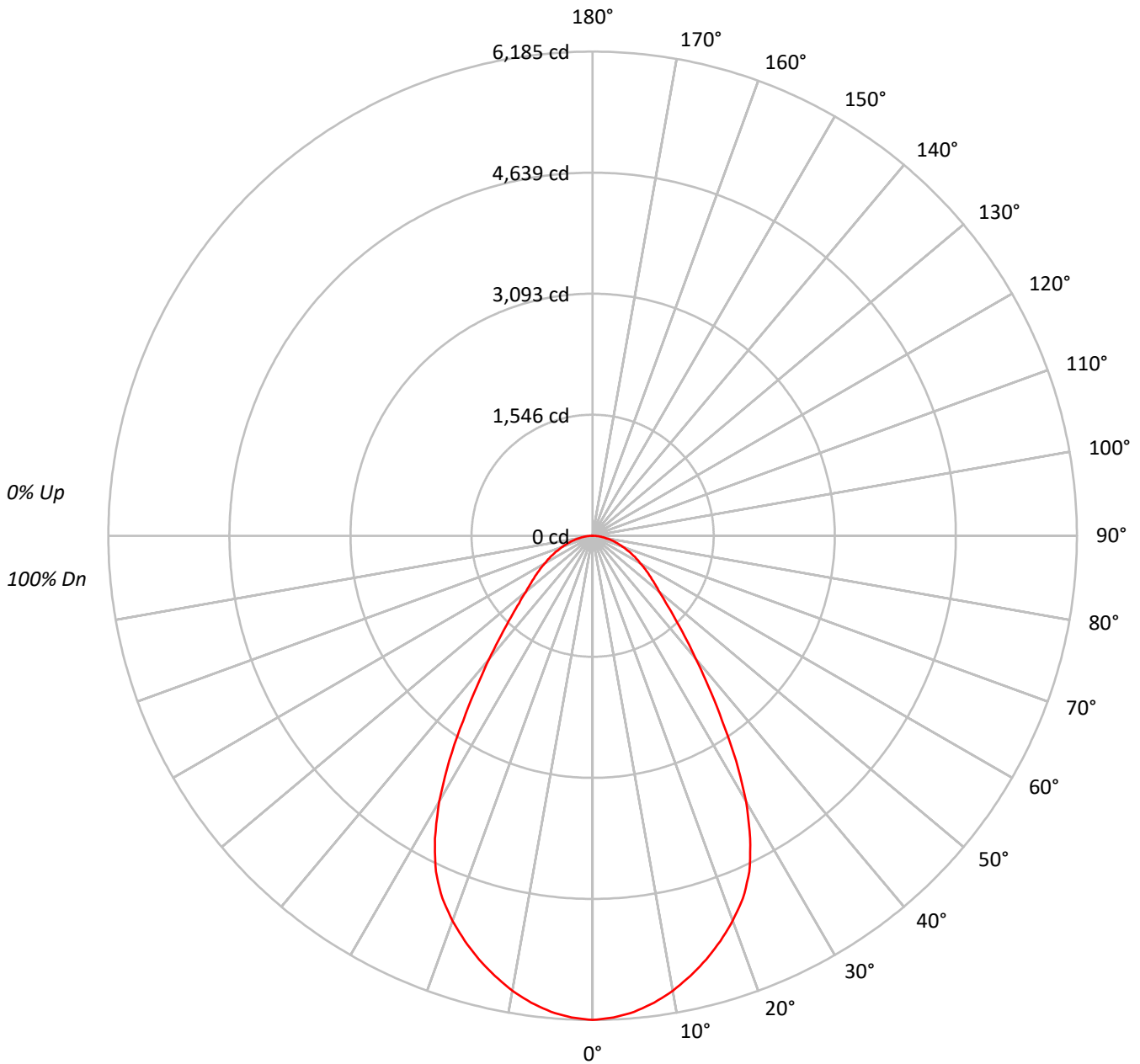
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252844

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252844

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBBA1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78				78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69				69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62				62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47				47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43				43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	403487
5°	399783
10°	390977
15°	378560
20°	363273
25°	341022
30°	295096
35°	229765
40°	174632
45°	136127
50°	112915
55°	101334
60°	92263
65°	85136
70°	78227
75°	72470
80°	65523
85°	59959



TEST NUMBER: P252844

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.2	6.4
10°-20°	1574.8	17.5
20°-30°	2144.7	23.8
30°-40°	1814.9	20.1
40°-50°	1164.2	12.9
50°-60°	801.2	8.9
60°-70°	547.3	6.1
70°-80°	304.5	3.4
80°-90°	89.1	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°	4295.7	47.6
0°-40°	6110.6	67.8
0°-60°	8076.0	89.6
0°-90°	9016.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9016.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6185	
5°	6104	576
15°	5605	1575
25°	4737	2145
35°	2885	1815
45°	1475	1164
55°	891	801
65°	552	547
75°	288	305
85°	80	89
90°	0	



TEST NUMBER: P252844

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBB1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	6184.6
2.5°	6161.0
5°	6104.5
7.5°	6014.9
10°	5901.8
12.5°	5760.3
15°	5604.8
17.5°	5425.7
20°	5232.4
22.5°	5015.6
25°	4737.4
27.5°	4360.3
30°	3917.2
32.5°	3408.1
35°	2884.9
37.5°	2427.6
40°	2050.5
42.5°	1734.7
45°	1475.4
47.5°	1272.7
50°	1112.5
52.5°	989.9
55°	890.9
57.5°	796.6
60°	707.1
62.5°	626.9
65°	551.5
67.5°	476.1
70°	410.1
72.5°	344.1
75°	287.5
77.5°	231.0
80°	174.4
82.5°	127.3
85°	80.1
87.5°	33.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)