

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: P252835

Luminaire Tested: **LD6B60D010TE EU6B60709024 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252835
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: LD6B60D010TE EU6B60709024 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5490.0 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

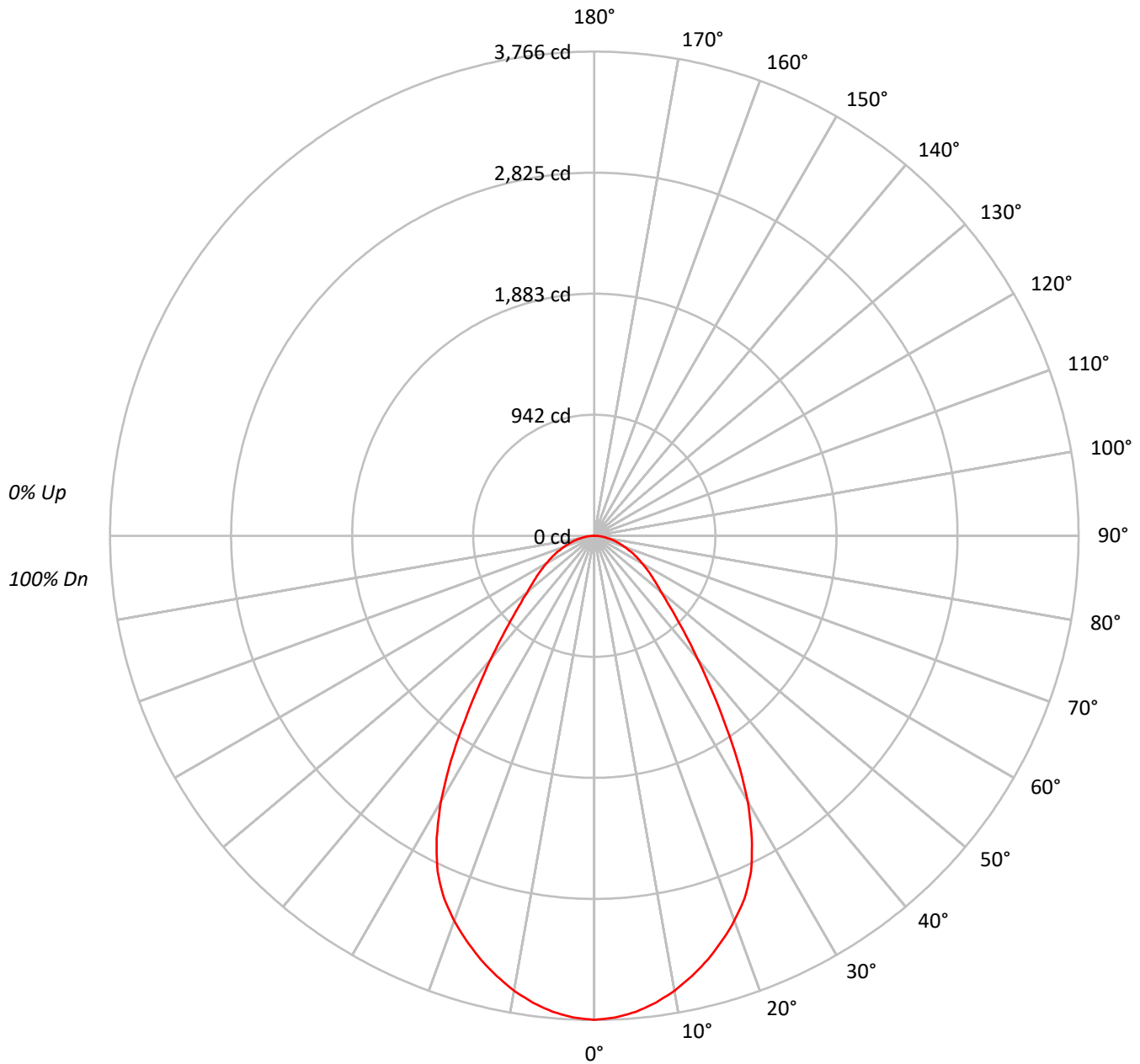
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252835

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252835

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBBA1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	97	91	87	101	95	90	86	91	87	84		88	85	82		85
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	90	80	72	67	87	78	72	66	76	70	66		74	69	65		72
5	84	73	65	60	82	72	65	60	70	64	59		68	63	58		66
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	245664
5°	243406
10°	238046
15°	230487
20°	221176
25°	207634
30°	179670
35°	139895
40°	106329
45°	82881
50°	68744
55°	61695
60°	56172
65°	51838
70°	47630
75°	44138
80°	39900
85°	36529



TEST NUMBER: P252835

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.8	6.4
10°-20°	958.8	17.5
20°-30°	1305.8	23.8
30°-40°	1105.0	20.1
40°-50°	708.9	12.9
50°-60°	487.8	8.9
60°-70°	333.2	6.1
70°-80°	185.4	3.4
80°-90°	54.3	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°	2615.4	47.6
0°-40°	3720.4	67.8
0°-60°	4917.1	89.6
0°-90°	5490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5490.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3766	
5°	3717	351
15°	3412	959
25°	2884	1306
35°	1756	1105
45°	898	709
55°	542	488
65°	336	333
75°	175	185
85°	49	54
90°	0	



TEST NUMBER: P252835

CATALOG NUMBER: LD6B60D010TE EU6B60709024 6LBBA1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3765.5
2.5°	3751.1
5°	3716.7
7.5°	3662.2
10°	3593.3
12.5°	3507.2
15°	3412.5
17.5°	3303.4
20°	3185.7
22.5°	3053.7
25°	2884.4
27.5°	2654.8
30°	2385.0
32.5°	2075.0
35°	1756.5
37.5°	1478.1
40°	1248.5
42.5°	1056.2
45°	898.3
47.5°	774.9
50°	677.3
52.5°	602.7
55°	542.4
57.5°	485.0
60°	430.5
62.5°	381.7
65°	335.8
67.5°	289.9
70°	249.7
72.5°	209.5
75°	175.1
77.5°	140.6
80°	106.2
82.5°	77.5
85°	48.8
87.5°	20.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)