

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: P252842

Luminaire Tested: **LD6B60D010TE EU6B60709730 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252842
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 EU6B60709730 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5672.1 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

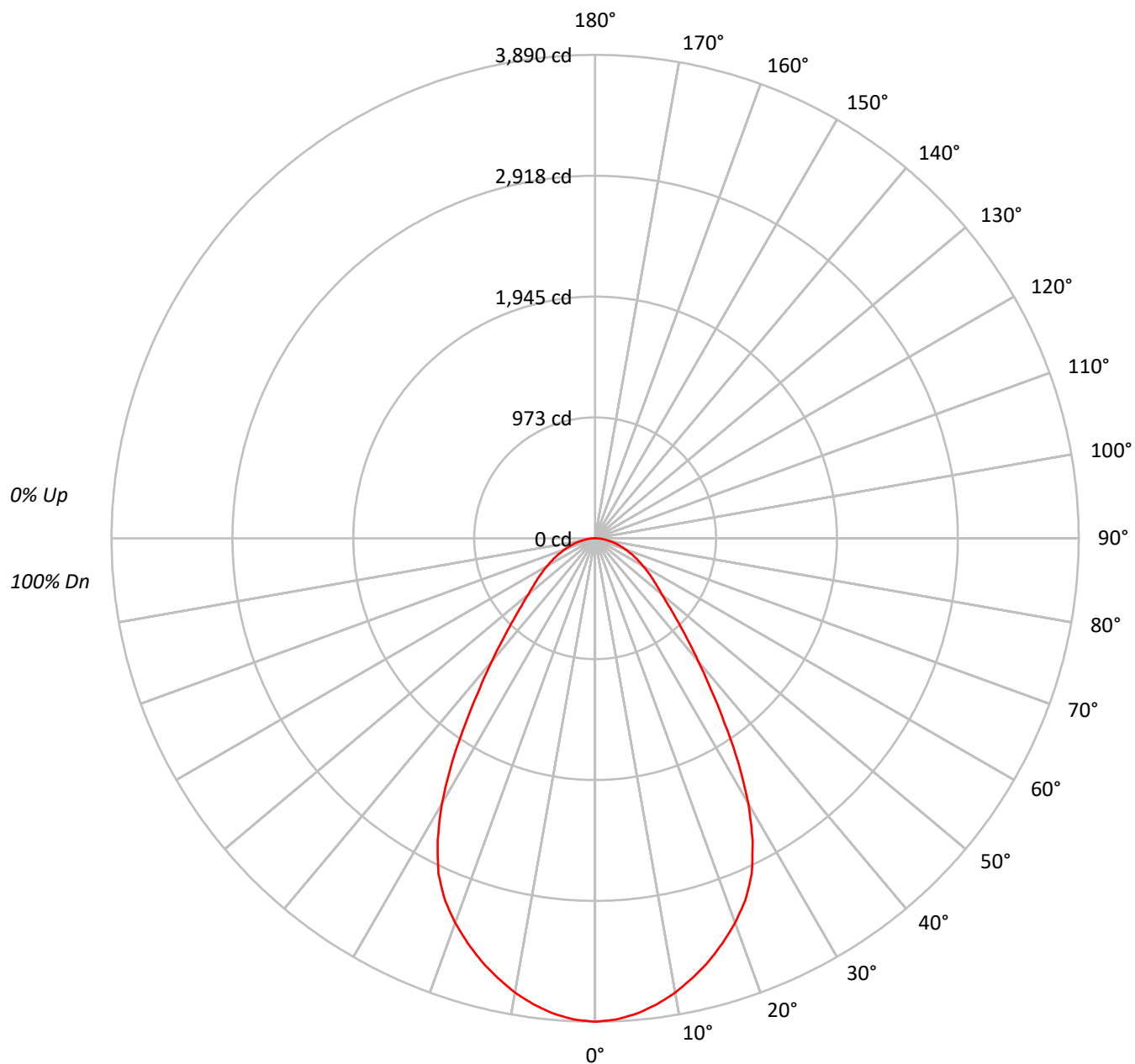
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	97	91	87		101	95	90	86		91	87	84		88	85	82		85	83	80
3	96	87	81	76		94	86	80	75		83	78	74		81	76	72		78	74	71
4	90	80	72	67		87	78	72	66		76	70	66		74	69	65		72	68	64
5	84	73	65	60		82	72	65	60		70	64	59		68	63	58		66	62	58
6	78	67	60	54		77	66	59	54		65	58	54		63	57	53		62	57	53
7	74	62	55	49		72	61	54	49		60	53	49		59	53	49		57	52	48
8	69	58	50	45		68	57	50	45		56	49	45		55	49	45		53	48	44
9	65	54	46	42		64	53	46	42		52	46	41		51	45	41		50	45	41
10	62	50	43	39		61	50	43	39		49	43	38		48	42	38		47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	253806
5°	251474
10°	245936
15°	238126
20°	228514
25°	214515
30°	185629
35°	144530
40°	109855
45°	85630
50°	71027
55°	63742
60°	58038
65°	53552
70°	49214
75°	45600
80°	41215
85°	37727



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.4	6.4
10°-20°	990.6	17.5
20°-30°	1349.1	23.8
30°-40°	1141.6	20.1
40°-50°	732.4	12.9
50°-60°	504.0	8.9
60°-70°	344.3	6.1
70°-80°	191.6	3.4
80°-90°	56.1	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°	2702.2	47.6
0°-40°	3843.8	67.8
0°-60°	5080.1	89.6
0°-90°	5672.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5672.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3890	
5°	3840	362
15°	3526	991
25°	2980	1349
35°	1815	1142
45°	928	732
55°	560	504
65°	347	344
75°	181	192
85°	50	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3890.3
2.5°	3875.5
5°	3839.9
7.5°	3783.6
10°	3712.4
12.5°	3623.5
15°	3525.6
17.5°	3412.9
20°	3291.4
22.5°	3155.0
25°	2980.0
27.5°	2742.8
30°	2464.1
32.5°	2143.8
35°	1814.7
37.5°	1527.1
40°	1289.9
42.5°	1091.2
45°	928.1
47.5°	800.6
50°	699.8
52.5°	622.7
55°	560.4
57.5°	501.1
60°	444.8
62.5°	394.4
65°	346.9
67.5°	299.5
70°	258.0
72.5°	216.5
75°	180.9
77.5°	145.3
80°	109.7
82.5°	80.1
85°	50.4
87.5°	20.8
90°	0.0



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— 0°-180°







(END OF REPORT)