

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: P252838

Luminaire Tested: **LD6B60D010TE EU6B60709035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252838
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 EU6B60709035 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6582.0 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

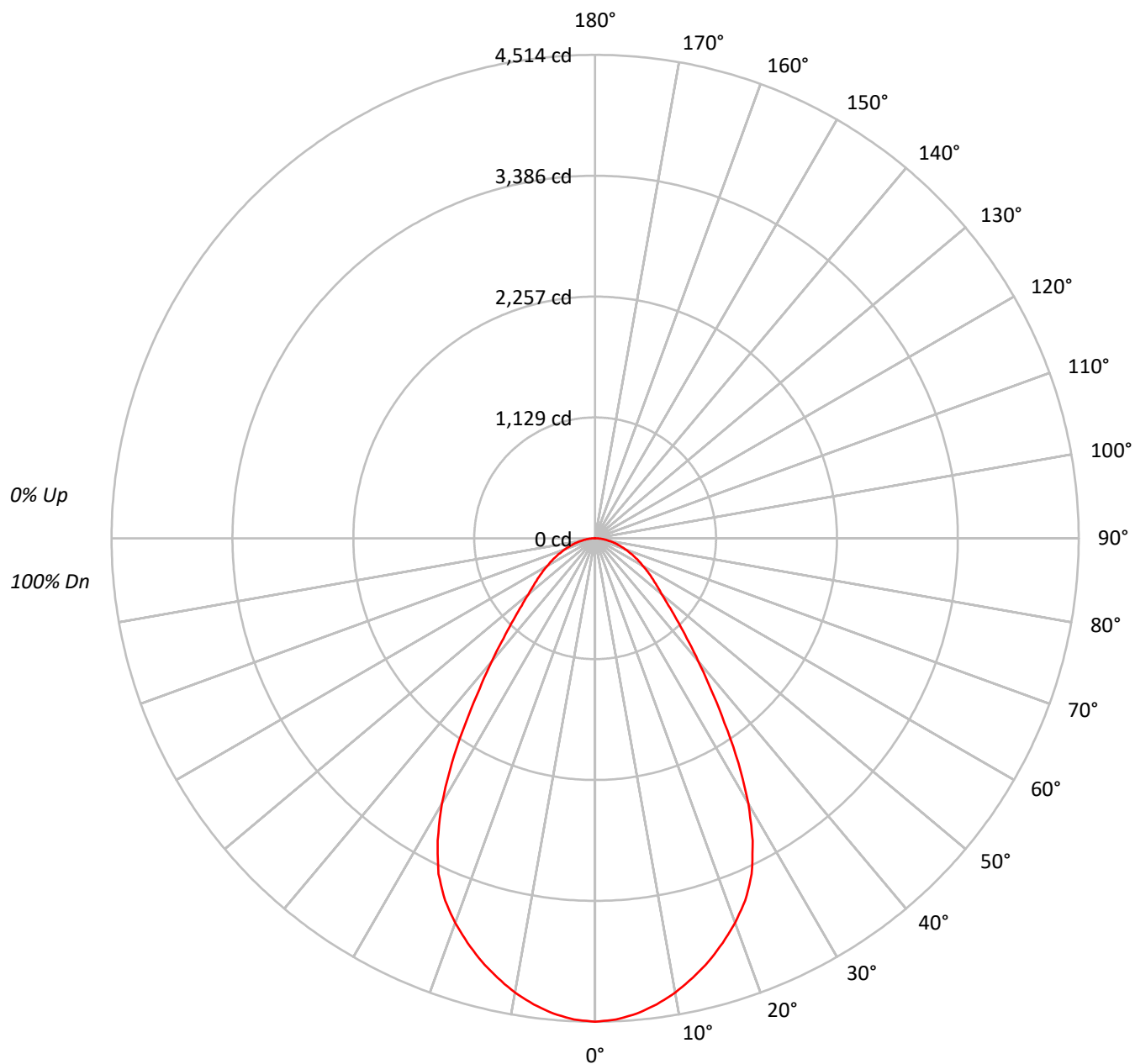
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	294529
5°	291823
10°	285392
15°	276328
20°	265172
25°	248932
30°	215408
35°	167715
40°	127476
45°	99369
50°	82425
55°	73967
60°	67341
65°	62150
70°	57111
75°	52910
80°	47827
85°	43790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.6	6.4
10°-20°	1149.5	17.5
20°-30°	1565.6	23.8
30°-40°	1324.8	20.1
40°-50°	849.9	12.9
50°-60°	584.8	8.9
60°-70°	399.5	6.1
70°-80°	222.3	3.4
80°-90°	65.1	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°	3135.7	47.6
0°-40°	4460.4	67.8
0°-60°	5895.1	89.6
0°-90°	6582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6582.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4514	
5°	4456	421
15°	4091	1150
25°	3458	1566
35°	2106	1325
45°	1077	850
55°	650	585
65°	403	400
75°	210	222
85°	58	65
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4514.5
2.5°	4497.3
5°	4456.0
7.5°	4390.6
10°	4308.0
12.5°	4204.8
15°	4091.2
17.5°	3960.5
20°	3819.4
22.5°	3661.1
25°	3458.1
27.5°	3182.8
30°	2859.4
32.5°	2487.8
35°	2105.8
37.5°	1772.1
40°	1496.8
42.5°	1266.3
45°	1077.0
47.5°	929.0
50°	812.1
52.5°	722.6
55°	650.3
57.5°	581.5
60°	516.1
62.5°	457.6
65°	402.6
67.5°	347.5
70°	299.4
72.5°	251.2
75°	209.9
77.5°	168.6
80°	127.3
82.5°	92.9
85°	58.5
87.5°	24.1
90°	0.0



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— 0°-180°







(END OF REPORT)