

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: P252792

Luminaire Tested: **LD6B30D010 EU6B30508030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252792
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: LD6B30D010 EU6B30508030 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: 3760.0 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

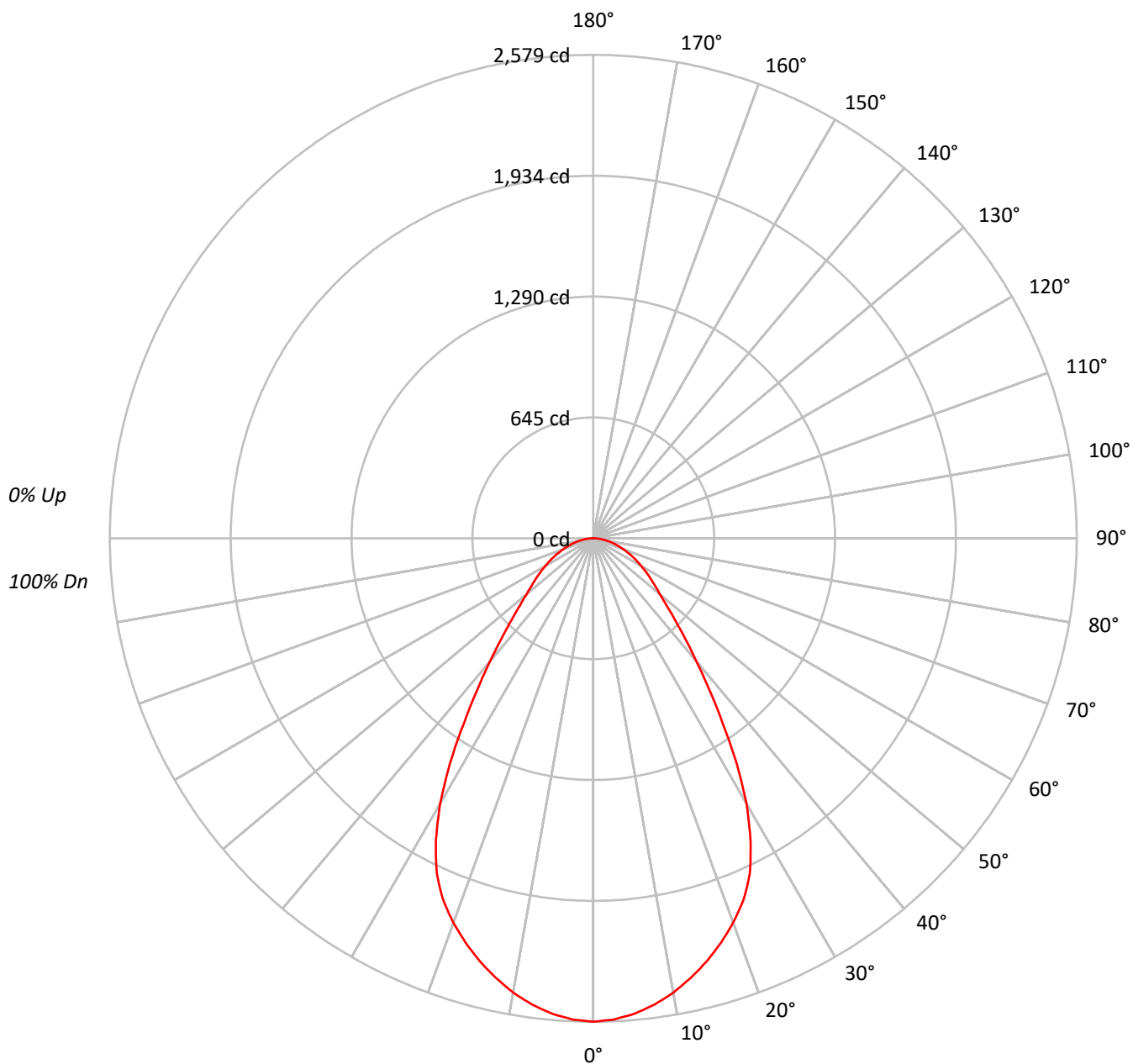
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	168249
5°	166704
10°	163034
15°	157853
20°	151484
25°	142206
30°	123050
35°	95812
40°	72825
45°	56761
50°	47084
55°	42256
60°	38466
65°	35506
70°	32618
75°	30223
80°	27314
85°	25002



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.3	6.4
10°-20°	656.7	17.5
20°-30°	894.3	23.8
30°-40°	756.8	20.1
40°-50°	485.5	12.9
50°-60°	334.1	8.9
60°-70°	228.2	6.1
70°-80°	127.0	3.4
80°-90°	37.2	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°	1791.3	47.6
0°-40°	2548.1	67.8
0°-60°	3367.6	89.6
0°-90°	3760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3760.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2579	
5°	2546	240
15°	2337	657
25°	1976	894
35°	1203	757
45°	615	485
55°	372	334
65°	230	228
75°	120	127
85°	33	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2578.9
2.5°	2569.1
5°	2545.5
7.5°	2508.1
10°	2461.0
12.5°	2402.0
15°	2337.1
17.5°	2262.4
20°	2181.9
22.5°	2091.4
25°	1975.5
27.5°	1818.2
30°	1633.4
32.5°	1421.2
35°	1203.0
37.5°	1012.3
40°	855.1
42.5°	723.4
45°	615.2
47.5°	530.7
50°	463.9
52.5°	412.8
55°	371.5
57.5°	332.2
60°	294.8
62.5°	261.4
65°	230.0
67.5°	198.5
70°	171.0
72.5°	143.5
75°	119.9
77.5°	96.3
80°	72.7
82.5°	53.1
85°	33.4
87.5°	13.8
90°	0.0



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— 0°-180°







(END OF REPORT)