

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: P252781

Luminaire Tested: **LD6B20D010 EU6B10208040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252781
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: LD6B20D010 EU6B10208040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2686.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

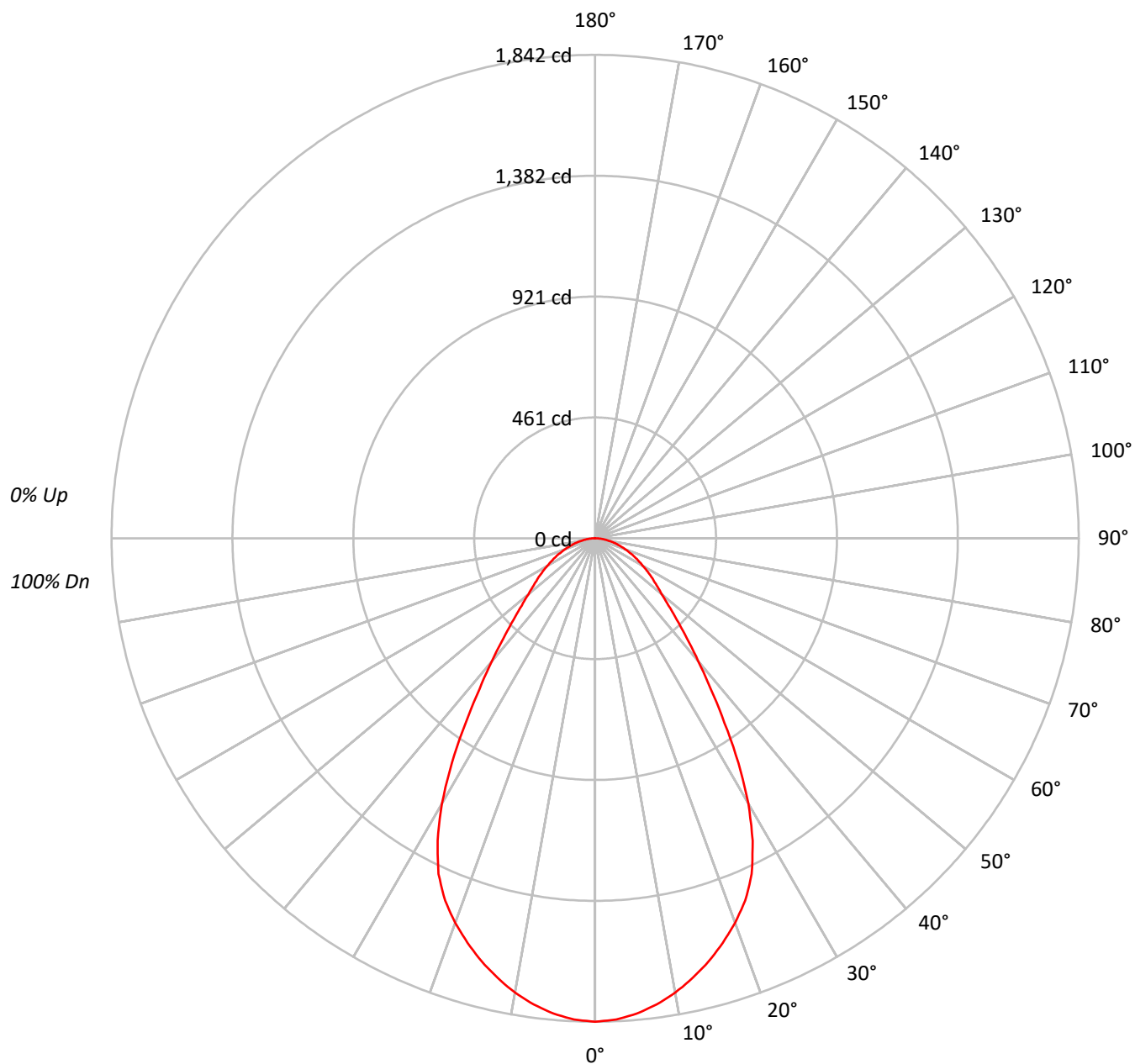
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	120193
5°	119087
10°	116462
15°	112768
20°	108210
25°	101585
30°	87907
35°	68446
40°	52019
45°	40550
50°	33636
55°	30188
60°	27479
65°	25363
70°	23310
75°	21602
80°	19537
85°	17890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.6	6.4
10°-20°	469.1	17.5
20°-30°	638.9	23.8
30°-40°	540.6	20.1
40°-50°	346.8	12.9
50°-60°	238.7	8.9
60°-70°	163.0	6.1
70°-80°	90.7	3.4
80°-90°	26.6	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°	1279.6	47.6
0°-40°	1820.2	67.8
0°-60°	2405.7	89.6
0°-90°	2686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2686.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1842	
5°	1818	172
15°	1670	469
25°	1411	639
35°	859	541
45°	440	347
55°	265	239
65°	164	163
75°	86	91
85°	24	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1842.3
2.5°	1835.3
5°	1818.4
7.5°	1791.7
10°	1758.0
12.5°	1715.9
15°	1669.6
17.5°	1616.2
20°	1558.6
22.5°	1494.0
25°	1411.2
27.5°	1298.9
30°	1166.9
32.5°	1015.2
35°	859.4
37.5°	723.1
40°	610.8
42.5°	516.7
45°	439.5
47.5°	379.1
50°	331.4
52.5°	294.9
55°	265.4
57.5°	237.3
60°	210.6
62.5°	186.8
65°	164.3
67.5°	141.8
70°	122.2
72.5°	102.5
75°	85.7
77.5°	68.8
80°	52.0
82.5°	37.9
85°	23.9
87.5°	9.8
90°	0.0



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— 0°-180°







(END OF REPORT)