

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: P252787

Luminaire Tested: **LD6B20D010 EU6B10209040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252787
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 EU6B10209040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2249.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

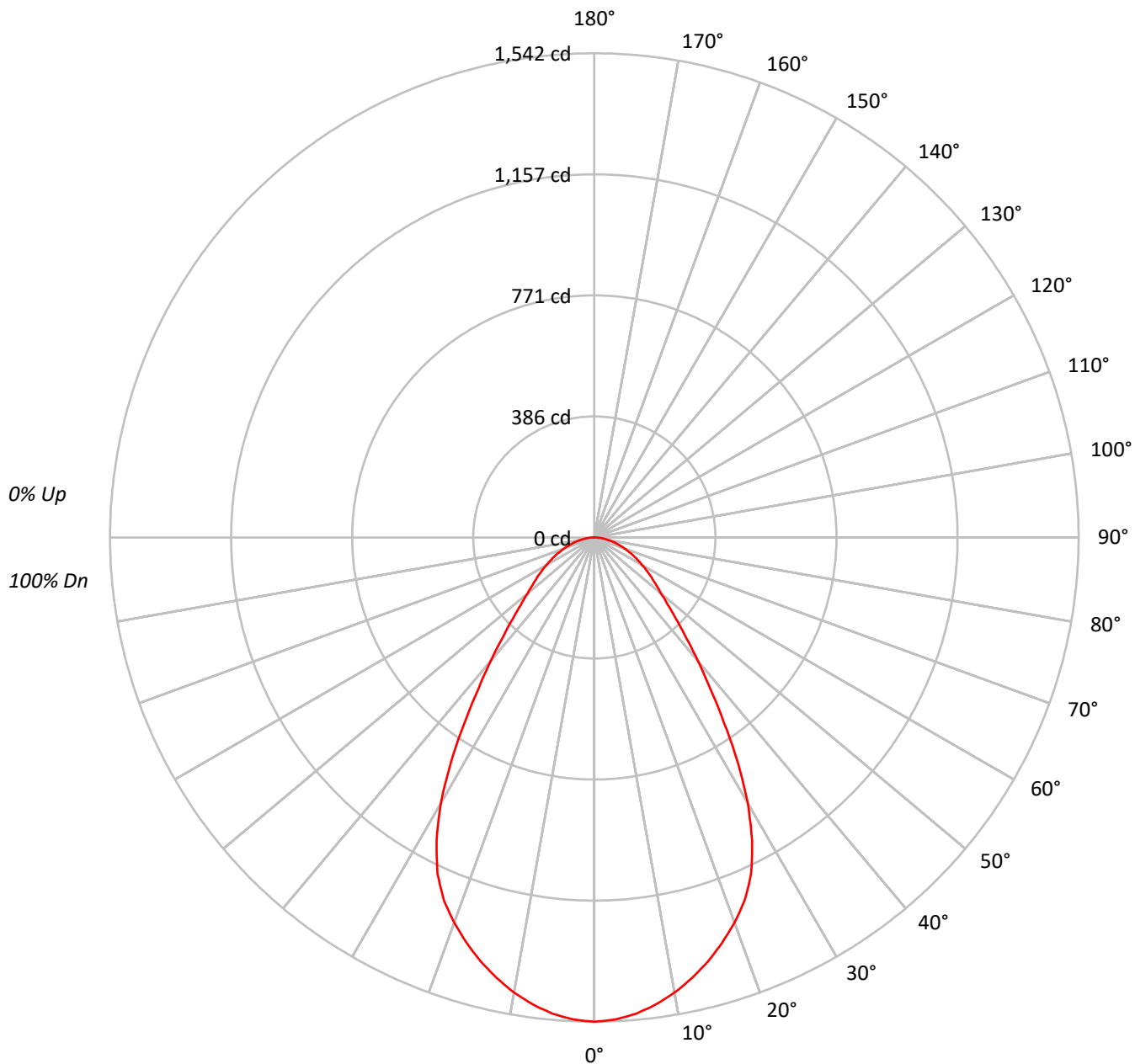
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	100634
5°	99715
10°	97516
15°	94417
20°	90610
25°	85058
30°	73601
35°	57304
40°	43554
45°	33953
50°	28165
55°	25274
60°	23017
65°	21242
70°	19514
75°	18073
80°	16343
85°	14971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.7	6.4
10°-20°	392.8	17.5
20°-30°	534.9	23.8
30°-40°	452.6	20.1
40°-50°	290.4	12.9
50°-60°	199.8	8.9
60°-70°	136.5	6.1
70°-80°	75.9	3.4
80°-90°	22.2	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°	1071.4	47.6
0°-40°	1524.1	67.8
0°-60°	2014.3	89.6
0°-90°	2249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2249.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1542	
5°	1523	144
15°	1398	393
25°	1182	535
35°	720	453
45°	368	290
55°	222	200
65°	138	137
75°	72	76
85°	20	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1542.5
2.5°	1536.7
5°	1522.6
7.5°	1500.2
10°	1472.0
12.5°	1436.7
15°	1397.9
17.5°	1353.3
20°	1305.1
22.5°	1251.0
25°	1181.6
27.5°	1087.5
30°	977.0
32.5°	850.0
35°	719.5
37.5°	605.5
40°	511.4
42.5°	432.7
45°	368.0
47.5°	317.4
50°	277.5
52.5°	246.9
55°	222.2
57.5°	198.7
60°	176.4
62.5°	156.4
65°	137.6
67.5°	118.7
70°	102.3
72.5°	85.8
75°	71.7
77.5°	57.6
80°	43.5
82.5°	31.7
85°	20.0
87.5°	8.2
90°	0.0



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— 0°-180°







(END OF REPORT)