

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: P252813

Luminaire Tested: **LD6B40D010 EU6B30509040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252813
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: LD6B40D010 EU6B30509040 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: 4612.1 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

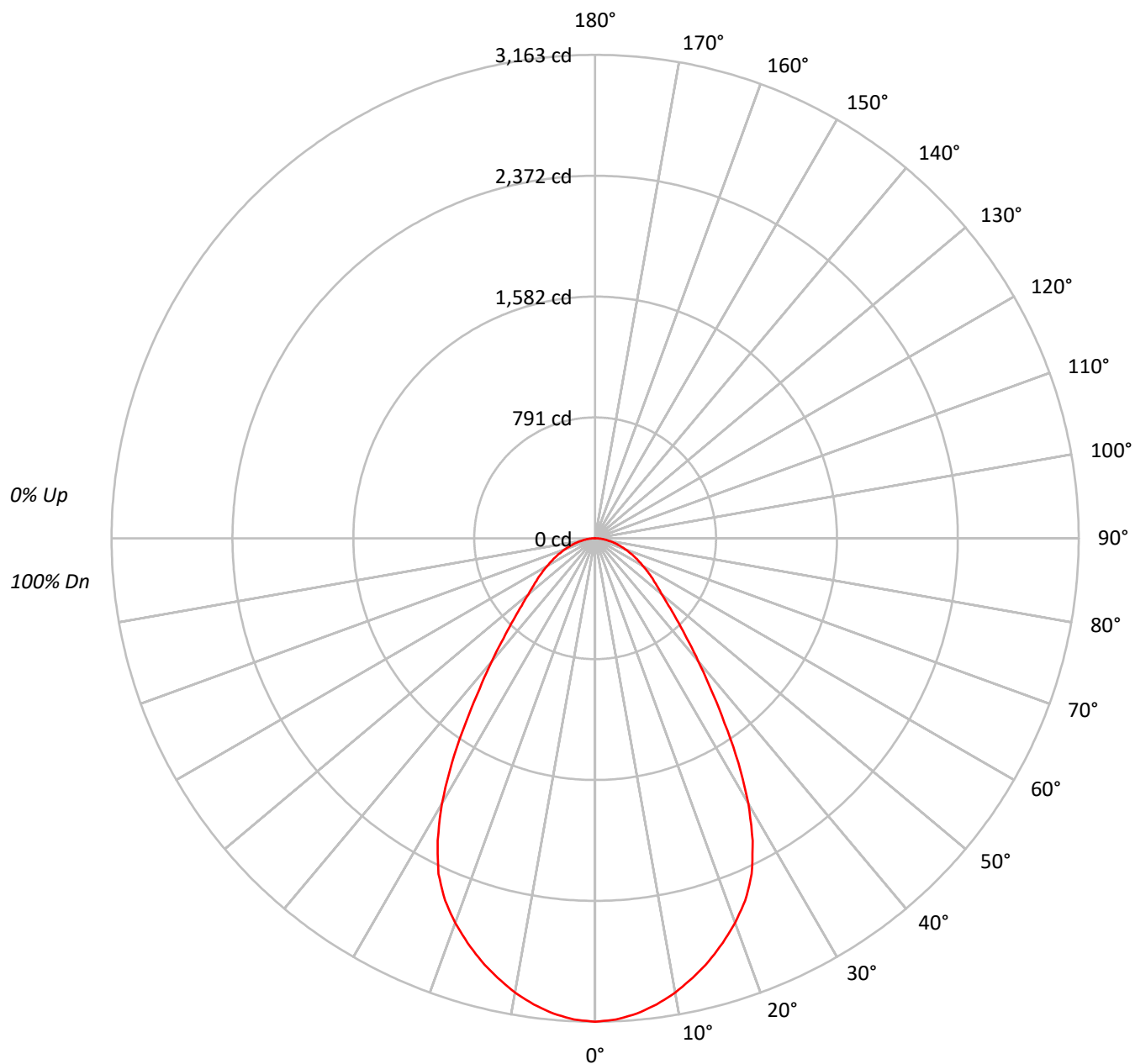
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	206376
5°	204479
10°	199973
15°	193623
20°	185809
25°	174427
30°	150938
35°	117523
40°	89322
45°	69632
50°	57751
55°	51833
60°	47195
65°	43548
70°	40020
75°	37080
80°	33513
85°	30691



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.7	6.4
10°-20°	805.5	17.5
20°-30°	1097.0	23.8
30°-40°	928.3	20.1
40°-50°	595.5	12.9
50°-60°	409.8	8.9
60°-70°	280.0	6.1
70°-80°	155.8	3.4
80°-90°	45.6	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°	2197.2	47.6
0°-40°	3125.4	67.8
0°-60°	4130.7	89.6
0°-90°	4612.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4612.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3163	
5°	3122	295
15°	2867	805
25°	2423	1097
35°	1476	928
45°	755	596
55°	456	410
65°	282	280
75°	147	156
85°	41	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3163.3
2.5°	3151.2
5°	3122.3
7.5°	3076.5
10°	3018.6
12.5°	2946.3
15°	2866.7
17.5°	2775.1
20°	2676.3
22.5°	2565.3
25°	2423.1
27.5°	2230.2
30°	2003.6
32.5°	1743.2
35°	1475.6
37.5°	1241.7
40°	1048.8
42.5°	887.3
45°	754.7
47.5°	651.0
50°	569.0
52.5°	506.3
55°	455.7
57.5°	407.5
60°	361.7
62.5°	320.7
65°	282.1
67.5°	243.5
70°	209.8
72.5°	176.0
75°	147.1
77.5°	118.1
80°	89.2
82.5°	65.1
85°	41.0
87.5°	16.9
90°	0.0



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— 0°-180°







(END OF REPORT)