

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: P252825

Luminaire Tested: **LD6B50D010TE EU6B30509035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252825
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: LD6B50D010TE EU6B30509035 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: 5891.0 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

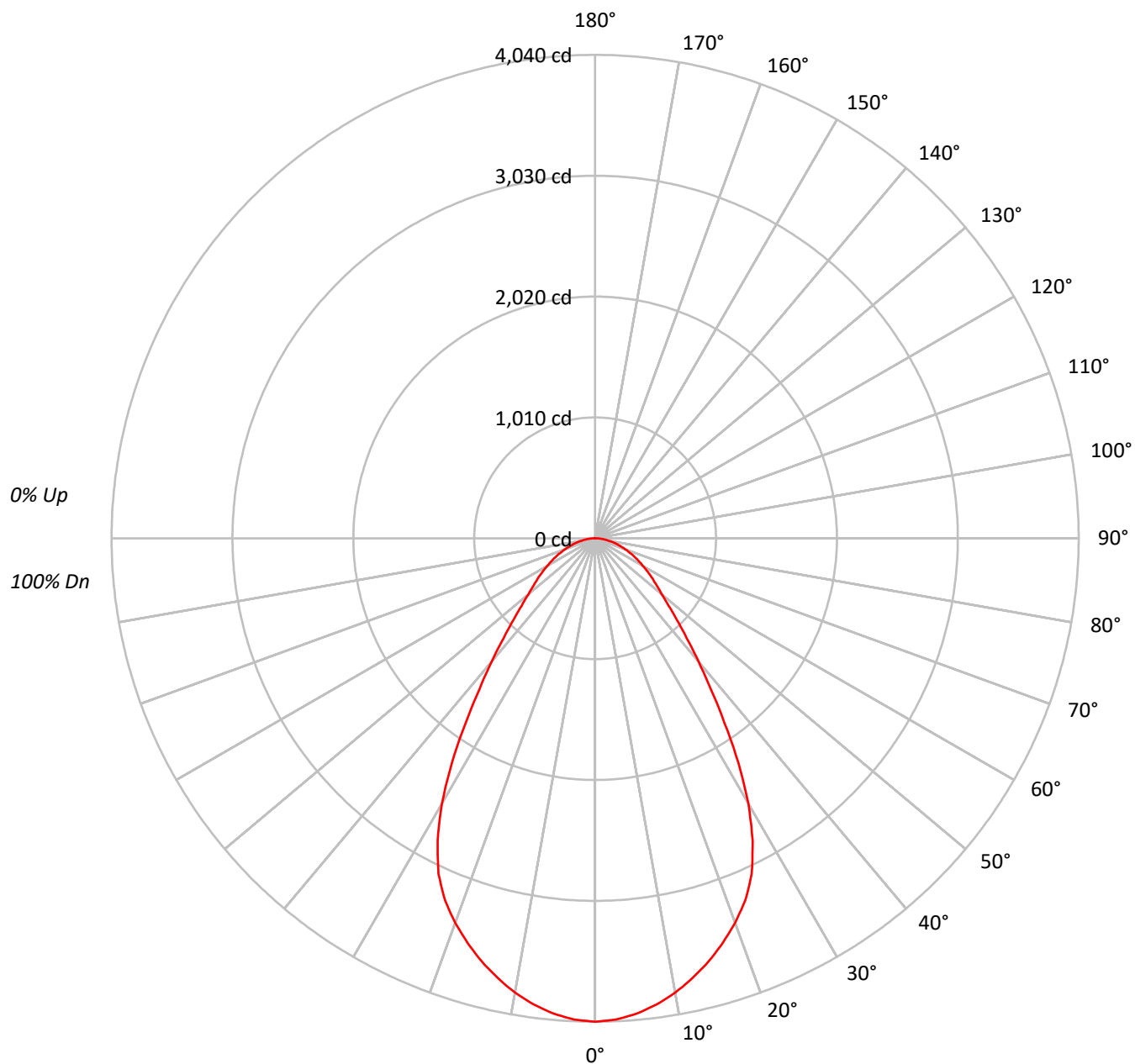
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	263605
5°	261187
10°	255429
15°	247319
20°	237331
25°	222801
30°	192793
35°	150113
40°	114096
45°	88933
50°	73768
55°	66210
60°	60282
65°	55620
70°	51102
75°	47364
80°	42793
85°	39224



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.4	6.4
10°-20°	1028.8	17.5
20°-30°	1401.2	23.8
30°-40°	1185.7	20.1
40°-50°	760.6	12.9
50°-60°	523.4	8.9
60°-70°	357.6	6.1
70°-80°	199.0	3.4
80°-90°	58.3	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°	2806.5	47.6
0°-40°	3992.2	67.8
0°-60°	5276.3	89.6
0°-90°	5891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5891.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4040	
5°	3988	376
15°	3662	1029
25°	3095	1401
35°	1885	1186
45°	964	761
55°	582	523
65°	360	358
75°	188	199
85°	52	58
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4040.5
2.5°	4025.1
5°	3988.2
7.5°	3929.7
10°	3855.7
12.5°	3763.4
15°	3661.7
17.5°	3544.7
20°	3418.4
22.5°	3276.8
25°	3095.1
27.5°	2848.7
30°	2559.2
32.5°	2226.6
35°	1884.8
37.5°	1586.0
40°	1339.7
42.5°	1133.3
45°	963.9
47.5°	831.5
50°	726.8
52.5°	646.7
55°	582.1
57.5°	520.5
60°	462.0
62.5°	409.6
65°	360.3
67.5°	311.0
70°	267.9
72.5°	224.8
75°	187.9
77.5°	150.9
80°	113.9
82.5°	83.2
85°	52.4
87.5°	21.6
90°	0.0



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— 0°-180°







(END OF REPORT)