

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: P252820

Luminaire Tested: **LD6B50D010TE EU6B30508040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252820
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 EU6B30508040 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: 7044.0 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

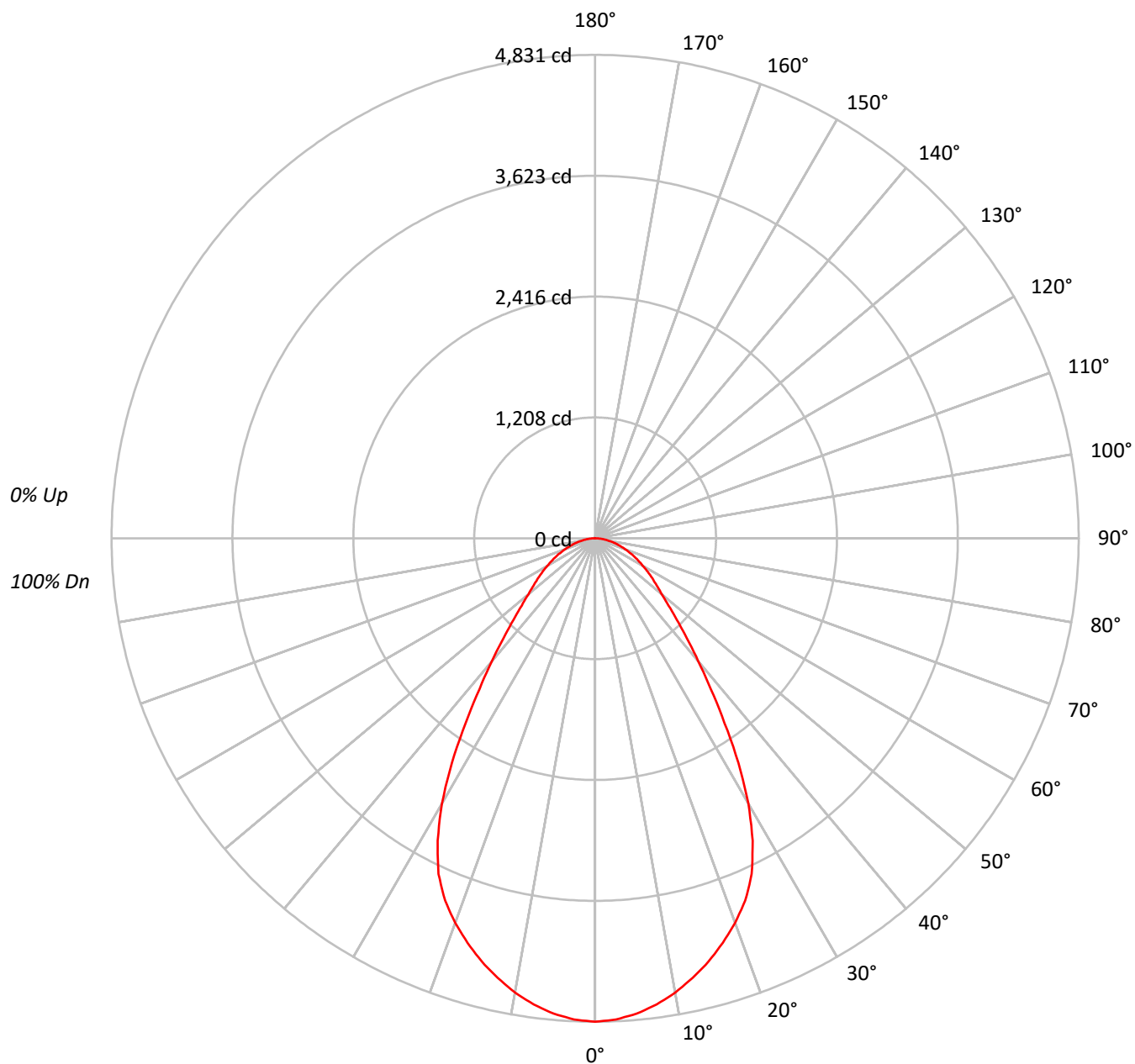
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252820

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBB A1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252820

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBBA1MW

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°	315197
5°	312301
10°	305425
15°	295726
20°	283785
25°	266402
30°	230528
35°	179486
40°	136427
45°	106344
50°	88211
55°	79166
60°	72078
65°	66504
70°	61117
75°	56615
80°	51171
85°	46859



TEST NUMBER: P252820

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.1	6.4
10°-20°	1230.2	17.5
20°-30°	1675.4	23.8
30°-40°	1417.8	20.1
40°-50°	909.5	12.9
50°-60°	625.9	8.9
60°-70°	427.6	6.1
70°-80°	237.9	3.4
80°-90°	69.6	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°	3355.8	47.6
0°-40°	4773.5	67.8
0°-60°	6308.9	89.6
0°-90°	7044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7044.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4831	
5°	4769	450
15°	4378	1230
25°	3701	1675
35°	2254	1418
45°	1153	910
55°	696	626
65°	431	428
75°	225	238
85°	63	70
90°	0	



TEST NUMBER: P252820

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBBA1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4831.3
2.5°	4812.9
5°	4768.7
7.5°	4698.8
10°	4610.4
12.5°	4499.9
15°	4378.4
17.5°	4238.5
20°	4087.5
22.5°	3918.1
25°	3700.8
27.5°	3406.2
30°	3060.1
32.5°	2662.4
35°	2253.6
37.5°	1896.5
40°	1601.9
42.5°	1355.1
45°	1152.6
47.5°	994.3
50°	869.1
52.5°	773.3
55°	696.0
57.5°	622.3
60°	552.4
62.5°	489.8
65°	430.8
67.5°	371.9
70°	320.4
72.5°	268.8
75°	224.6
77.5°	180.4
80°	136.2
82.5°	99.4
85°	62.6
87.5°	25.8
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)