

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: P252827

Luminaire Tested: **LD6B50D010TE EU6B30509050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252827
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 EU6B30509050 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5926.1 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

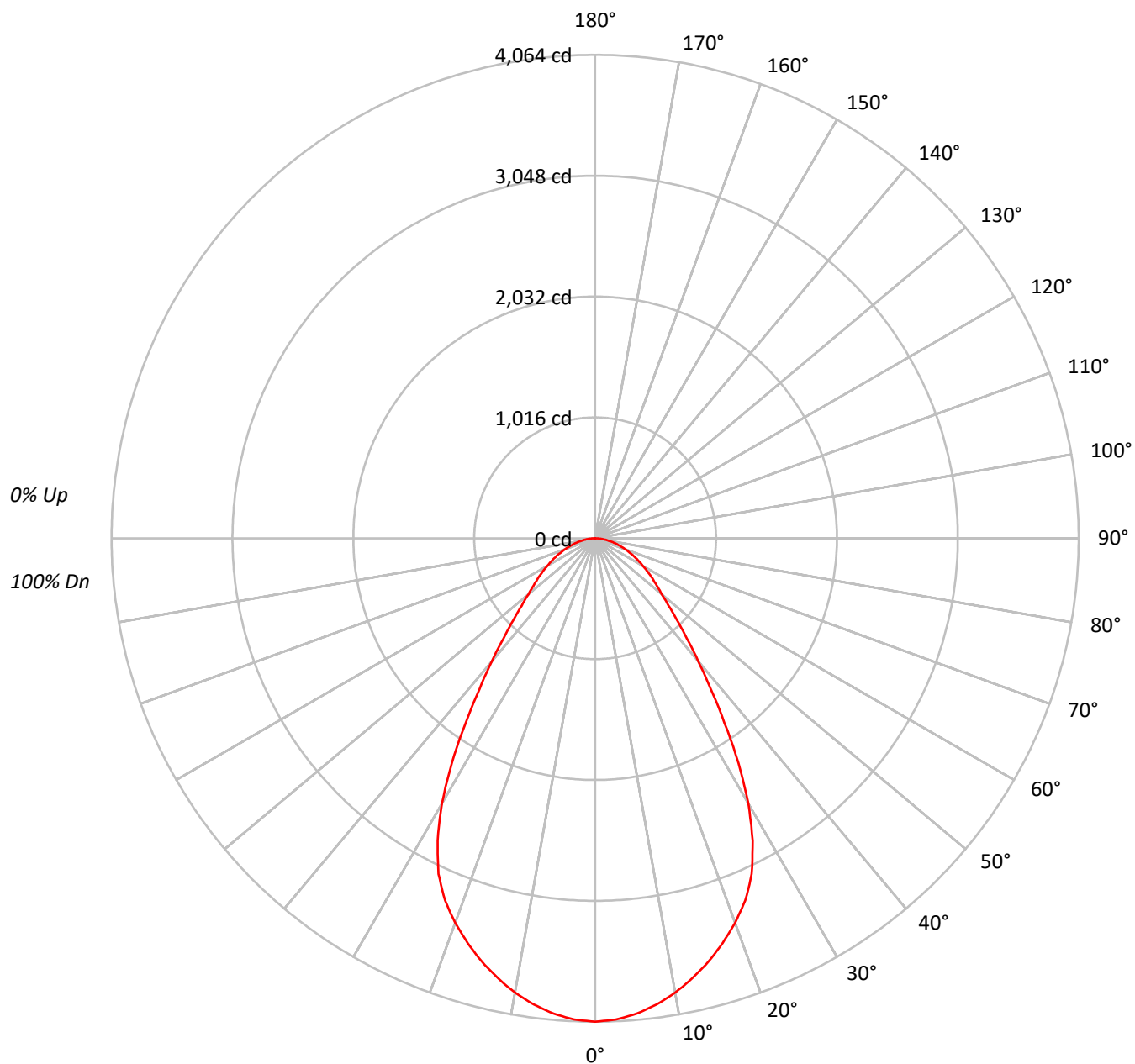
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252827

CATALOG NUMBER: LD6B50D010TE EU6B30509050 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252827

CATALOG NUMBER: LD6B50D010TE EU6B30509050 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
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°	265171
5°	262739
10°	256953
15°	248791
20°	238741
25°	224126
30°	193938
35°	151005
40°	114769
45°	89469
50°	74204
55°	66597
60°	60635
65°	55960
70°	51407
75°	47641
80°	43056
85°	39449



TEST NUMBER: P252827

CATALOG NUMBER: LD6B50D010TE EU6B30509050 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.7	6.4
10°-20°	1034.9	17.5
20°-30°	1409.5	23.8
30°-40°	1192.7	20.1
40°-50°	765.2	12.9
50°-60°	526.5	8.9
60°-70°	359.7	6.1
70°-80°	200.2	3.4
80°-90°	58.6	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°	2823.2	47.6
0°-40°	4015.9	67.8
0°-60°	5307.6	89.6
0°-90°	5926.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5926.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4064	
5°	4012	379
15°	3684	1035
25°	3114	1410
35°	1896	1193
45°	970	765
55°	586	527
65°	362	360
75°	189	200
85°	53	59
90°	0	



TEST NUMBER: P252827

CATALOG NUMBER: LD6B50D010TE EU6B30509050 6LBBA1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4064.5
2.5°	4049.0
5°	4011.9
7.5°	3953.0
10°	3878.7
12.5°	3785.7
15°	3683.5
17.5°	3565.8
20°	3438.7
22.5°	3296.2
25°	3113.5
27.5°	2865.6
30°	2574.4
32.5°	2239.8
35°	1896.0
37.5°	1595.5
40°	1347.6
42.5°	1140.1
45°	969.7
47.5°	836.5
50°	731.1
52.5°	650.6
55°	585.5
57.5°	523.6
60°	464.7
62.5°	412.0
65°	362.5
67.5°	312.9
70°	269.5
72.5°	226.2
75°	189.0
77.5°	151.8
80°	114.6
82.5°	83.6
85°	52.7
87.5°	21.7
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)