

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: P252817

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252817
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 EU6B30508027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6505.0 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

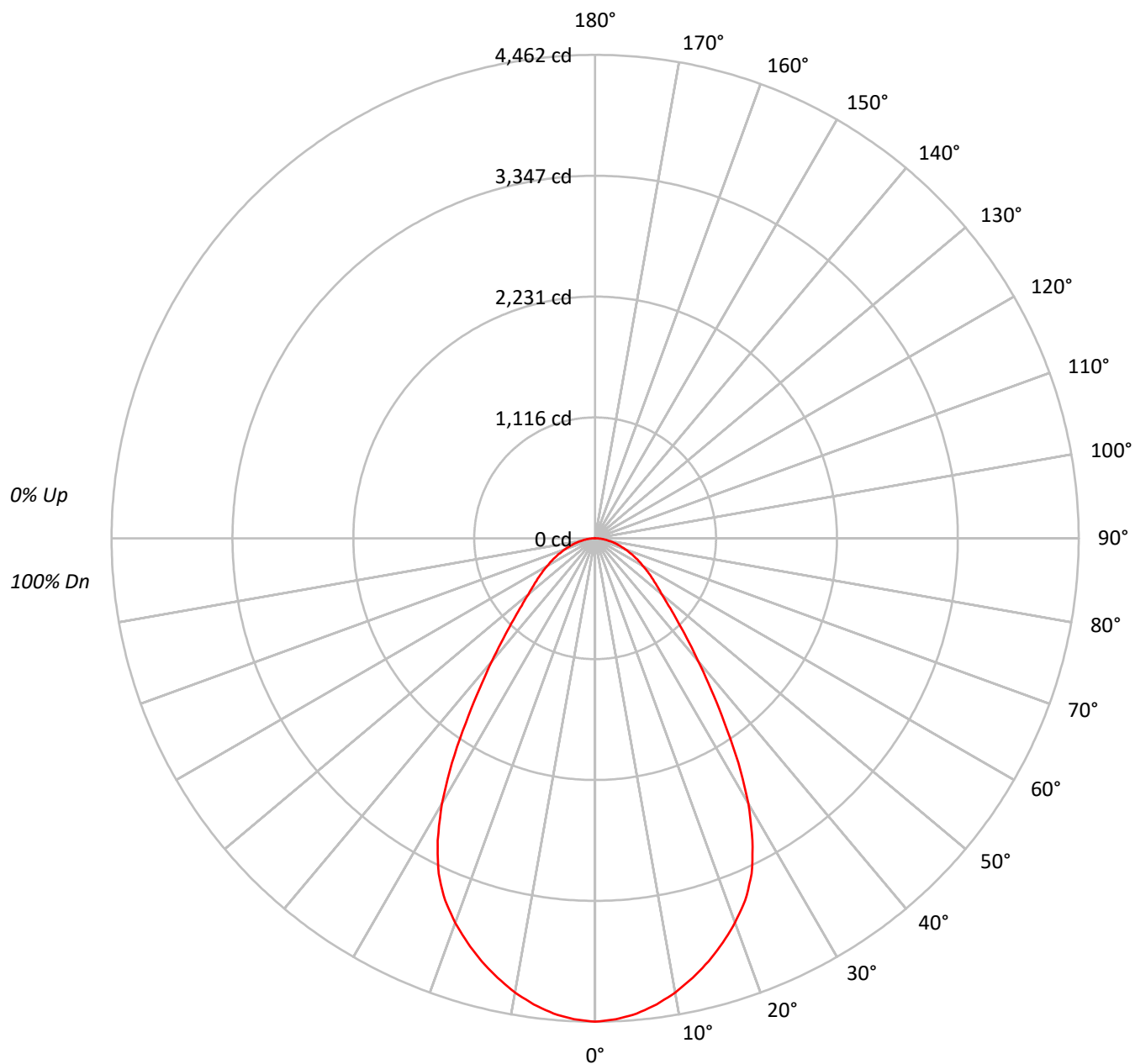
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	291084
5°	288404
10°	282054
15°	273100
20°	262068
25°	246023
30°	212885
35°	165755
40°	125985
45°	98206
50°	81461
55°	73103
60°	66558
65°	61425
70°	56443
75°	52279
80°	47264
85°	43266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.7	6.4
10°-20°	1136.1	17.5
20°-30°	1547.3	23.8
30°-40°	1309.3	20.1
40°-50°	839.9	12.9
50°-60°	578.0	8.9
60°-70°	394.9	6.1
70°-80°	219.7	3.4
80°-90°	64.3	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°	3099.0	47.6
0°-40°	4408.3	67.8
0°-60°	5826.2	89.6
0°-90°	6505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6505.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4462	
5°	4404	416
15°	4043	1136
25°	3418	1547
35°	2081	1309
45°	1064	840
55°	643	578
65°	398	395
75°	207	220
85°	58	64
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4461.7
2.5°	4444.7
5°	4403.8
7.5°	4339.2
10°	4257.6
12.5°	4155.6
15°	4043.4
17.5°	3914.2
20°	3774.7
22.5°	3618.3
25°	3417.7
27.5°	3145.6
30°	2825.9
32.5°	2458.7
35°	2081.2
37.5°	1751.3
40°	1479.3
42.5°	1251.4
45°	1064.4
47.5°	918.2
50°	802.6
52.5°	714.1
55°	642.7
57.5°	574.7
60°	510.1
62.5°	452.3
65°	397.9
67.5°	343.5
70°	295.9
72.5°	248.2
75°	207.4
77.5°	166.6
80°	125.8
82.5°	91.8
85°	57.8
87.5°	23.8
90°	0.0



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— 0°-180°







(END OF REPORT)