

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: P252821

Luminaire Tested: **LD6B50D010TE EU6B30508050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252821
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 EU6B30508050 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7040.1 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

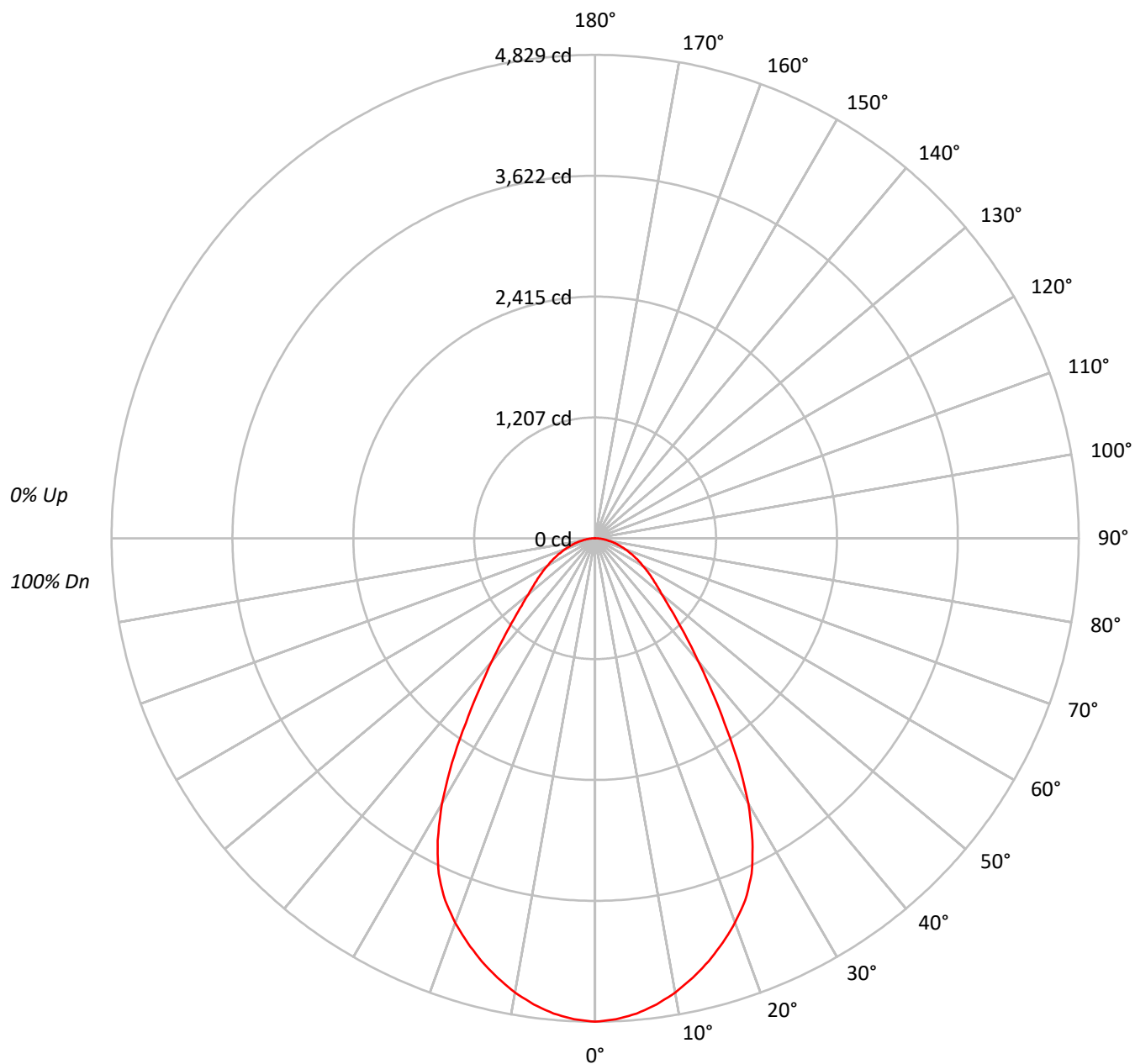
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	315021
5°	312125
10°	305253
15°	295557
20°	283626
25°	266251
30°	230400
35°	179390
40°	136342
45°	106279
50°	88160
55°	79120
60°	72039
65°	66473
70°	61078
75°	56590
80°	51171
85°	46859



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.9	6.4
10°-20°	1229.5	17.5
20°-30°	1674.5	23.8
30°-40°	1417.0	20.1
40°-50°	909.0	12.9
50°-60°	625.5	8.9
60°-70°	427.3	6.1
70°-80°	237.8	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°	3353.9	47.6
0°-40°	4770.8	67.8
0°-60°	6305.4	89.6
0°-90°	7040.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7040.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4829	
5°	4766	450
15°	4376	1230
25°	3699	1675
35°	2252	1417
45°	1152	909
55°	696	626
65°	431	427
75°	224	238
85°	63	70
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4828.6
2.5°	4810.2
5°	4766.0
7.5°	4696.1
10°	4607.8
12.5°	4497.4
15°	4375.9
17.5°	4236.1
20°	4085.2
22.5°	3915.9
25°	3698.7
27.5°	3404.3
30°	3058.4
32.5°	2660.9
35°	2252.4
37.5°	1895.4
40°	1600.9
42.5°	1354.4
45°	1151.9
47.5°	993.7
50°	868.6
52.5°	772.9
55°	695.6
57.5°	622.0
60°	552.1
62.5°	489.5
65°	430.6
67.5°	371.7
70°	320.2
72.5°	268.7
75°	224.5
77.5°	180.3
80°	136.2
82.5°	99.4
85°	62.6
87.5°	25.8
90°	0.0



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— 0°-180°







(END OF REPORT)