

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: P252779

Luminaire Tested: **LD6B20D010 EU6B10208030 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252779  
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: LD6B20D010 EU6B10208030 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2593.0 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

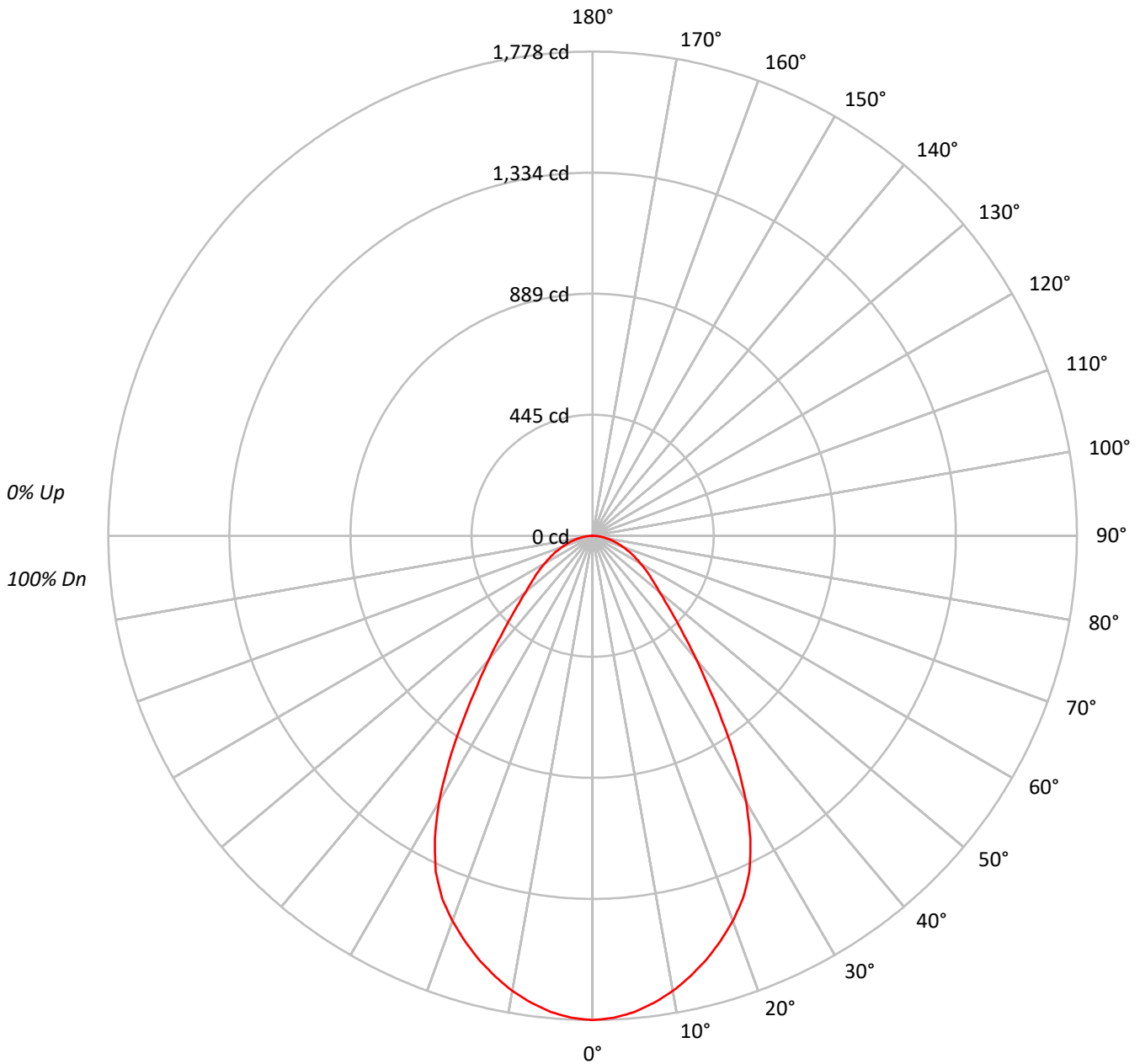
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78				78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69				69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62				62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47				47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43				43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37				37

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	116030
5°	114961
10°	112435
15°	108864
20°	104468
25°	98065
30°	84863
35°	66073
40°	50222
45°	39148
50°	32469
55°	29141
60°	26527
65°	24483
70°	22490
75°	20846
80°	18860
85°	17217



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.7	6.4
10°-20°	452.9	17.5
20°-30°	616.8	23.8
30°-40°	521.9	20.1
40°-50°	334.8	12.9
50°-60°	230.4	8.9
60°-70°	157.4	6.1
70°-80°	87.6	3.4
80°-90°	25.6	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°	1235.3	47.6
0°-40°	1757.2	67.8
0°-60°	2322.4	89.6
0°-90°	2593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2593.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1778	
5°	1755	166
15°	1612	453
25°	1362	617
35°	830	522
45°	424	335
55°	256	230
65°	159	157
75°	83	88
85°	23	26
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1778.5
2.5°	1771.7
5°	1755.4
7.5°	1729.7
10°	1697.2
12.5°	1656.5
15°	1611.8
17.5°	1560.2
20°	1504.7
22.5°	1442.3
25°	1362.3
27.5°	1253.9
30°	1126.5
32.5°	980.1
35°	829.6
37.5°	698.1
40°	589.7
42.5°	498.8
45°	424.3
47.5°	366.0
50°	319.9
52.5°	284.7
55°	256.2
57.5°	229.1
60°	203.3
62.5°	180.3
65°	158.6
67.5°	136.9
70°	117.9
72.5°	99.0
75°	82.7
77.5°	66.4
80°	50.2
82.5°	36.6
85°	23.0
87.5°	9.5
90°	0.0



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— 0°-180°







(END OF REPORT)