

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: P252786

Luminaire Tested: **LD6B20D010 EU6B10209035 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252786  
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 EU6B10209035 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2246.0 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

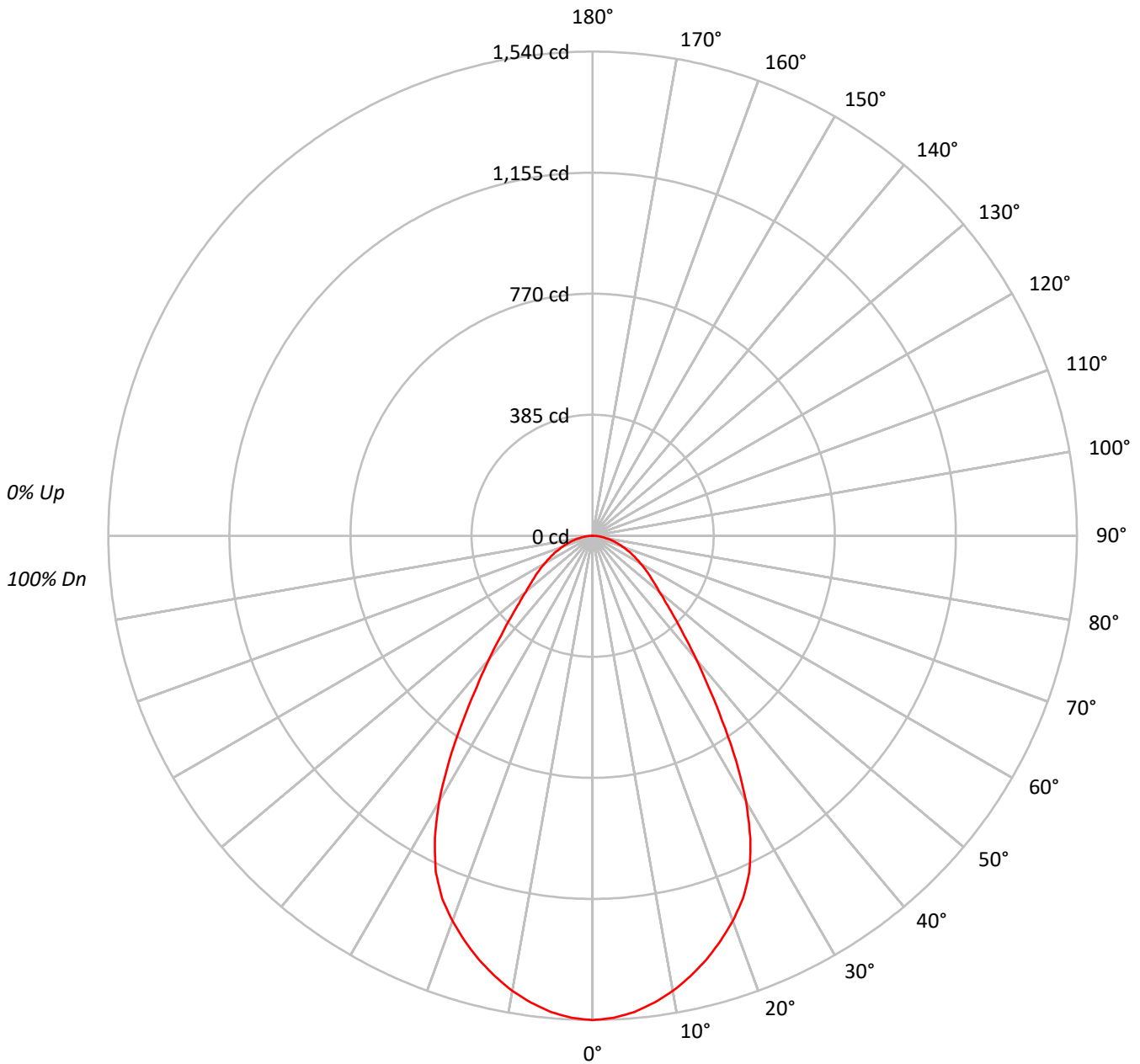
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P252786

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBBA1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P252786

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBBA1MW

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

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

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

	0°
0°	100503
5°	99577
10°	97383
15°	94295
20°	90485
25°	84942
30°	73503
35°	57232
40°	43503
45°	33907
50°	28125
55°	25240
60°	22978
65°	21211
70°	19495
75°	18048
80°	16306
85°	14971



TEST NUMBER: P252786

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBBA1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.5	6.4
10°-20°	392.3	17.5
20°-30°	534.2	23.8
30°-40°	452.1	20.1
40°-50°	290.0	12.9
50°-60°	199.6	8.9
60°-70°	136.3	6.1
70°-80°	75.8	3.4
80°-90°	22.2	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°	1070.0	47.6
0°-40°	1522.1	67.8
0°-60°	2011.6	89.6
0°-90°	2246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2246.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1540	
5°	1520	144
15°	1396	392
25°	1180	534
35°	719	452
45°	368	290
55°	222	200
65°	137	136
75°	72	76
85°	20	22
90°	0	



TEST NUMBER: P252786

CATALOG NUMBER: LD6B20D010 EU6B10209035 6LBBA1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1540.5
2.5°	1534.6
5°	1520.5
7.5°	1498.2
10°	1470.0
12.5°	1434.8
15°	1396.1
17.5°	1351.5
20°	1303.3
22.5°	1249.3
25°	1180.0
27.5°	1086.1
30°	975.7
32.5°	848.9
35°	718.6
37.5°	604.7
40°	510.8
42.5°	432.1
45°	367.5
47.5°	317.0
50°	277.1
52.5°	246.6
55°	221.9
57.5°	198.4
60°	176.1
62.5°	156.2
65°	137.4
67.5°	118.6
70°	102.2
72.5°	85.7
75°	71.6
77.5°	57.5
80°	43.4
82.5°	31.7
85°	20.0
87.5°	8.2
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)