

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: P202930

Luminaire Tested: **LD6B20D010 EU6B10208050 6LBWGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202930  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B20D010 EU6B10208050 6LBWGPH1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTIONWITH GRAPHITE HAZE TRIM  
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W  
DL3-21.8 6 W DLE-22.46 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1404.6 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

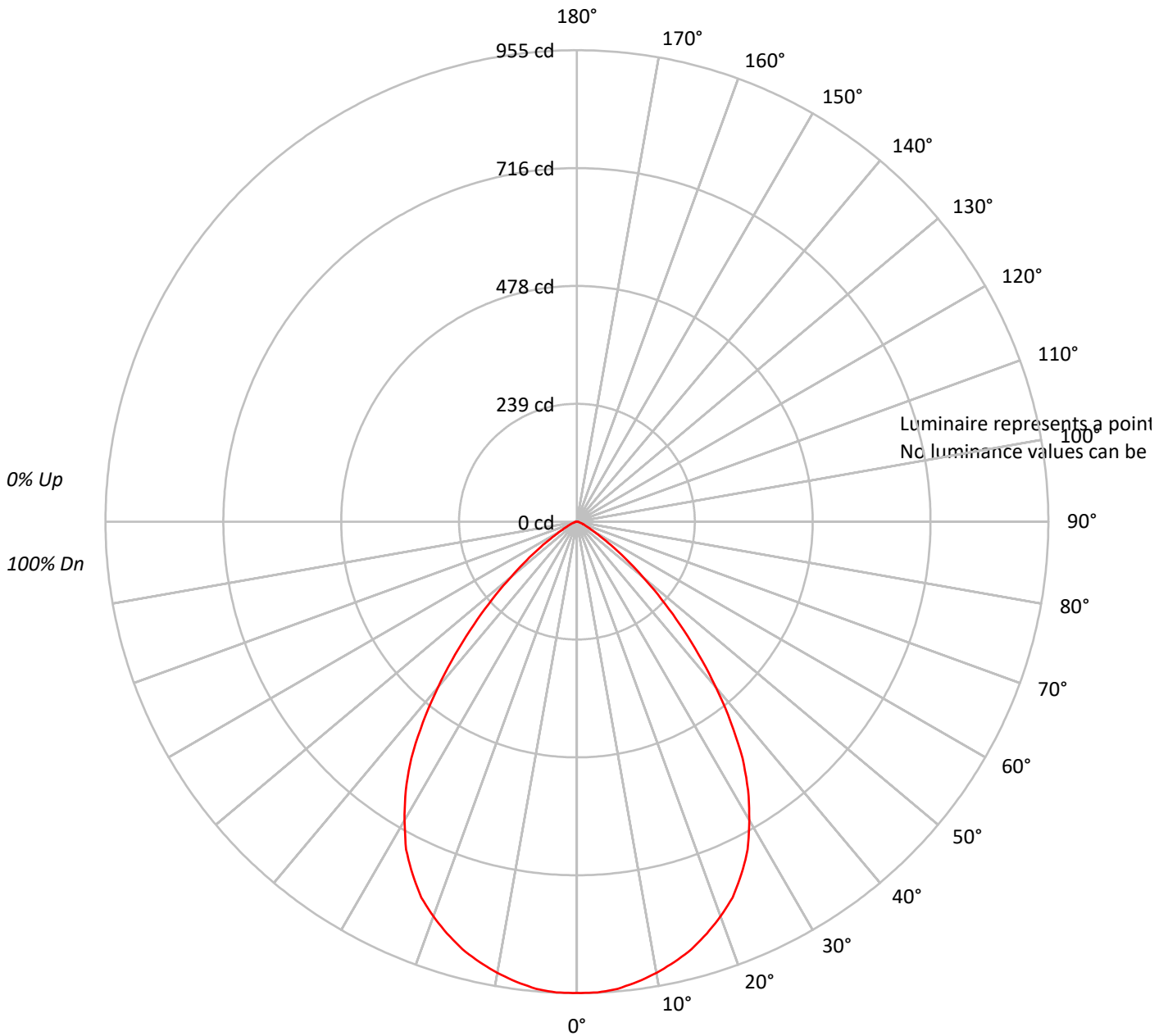
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74			
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67			
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61			
6	81	71	64	59	80	70	63	59	68	62	58	67	62	58	65	61	57	56			
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51			
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47			
9	68	57	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43			
10	64	53	46	42	63	52	46	42	51	45	41	51	45	41	50	45	41	40			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.9	6.4
10°-20°	252.2	18.0
20°-30°	360.8	25.7
30°-40°	359.7	25.6
40°-50°	229.1	16.3
50°-60°	84.5	6.0
60°-70°	21.1	1.5
70°-80°	6.4	0.5
80°-90°	1.0	0.1
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°	703.0	50.0
0°-40°	1062.6	75.7
0°-60°	1376.2	98.0
0°-90°	1404.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1404.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	955	
5°	950	90
15°	897	252
25°	788	361
35°	585	360
45°	295	229
55°	89	84
65°	19	21
75°	5	6
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	954.7
2.5°	954.7
5°	949.8
7.5°	940.2
10°	928.1
12.5°	913.6
15°	896.7
17.5°	874.9
20°	850.7
22.5°	824.2
25°	787.9
27.5°	749.2
30°	698.5
32.5°	645.3
35°	584.9
37.5°	512.4
40°	437.5
42.5°	364.9
45°	294.9
47.5°	232.0
50°	174.0
52.5°	128.1
55°	89.4
57.5°	58.0
60°	38.7
62.5°	26.6
65°	19.3
67.5°	14.5
70°	12.1
72.5°	7.3
75°	4.8
77.5°	4.8
80°	2.4
82.5°	2.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)