

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: P202518

Luminaire Tested: **LSR6B20D010BZ EC6B10208050 6LBSWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202518  
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: LSR6B20D010BZ EC6B10208050 6LBSWMH1  
Description: PORTFOLIO 6IN CYLINDER  
SHALLOW DISTRIBUTION WITH WARM 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: 2209.7 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

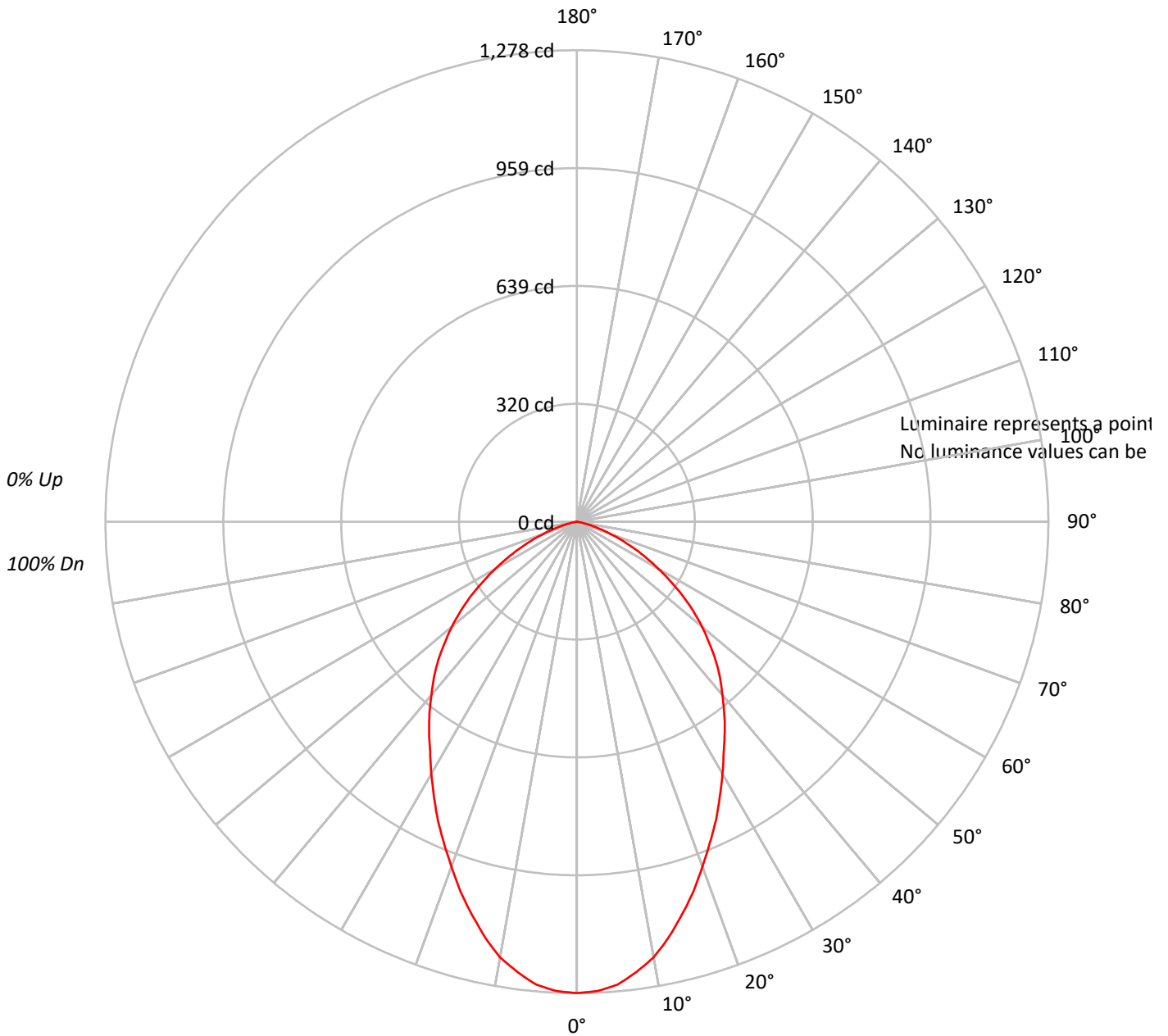
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77			
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67			
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59			
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47			
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42			
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38			
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35			
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.2	5.4
10°-20°	309.0	14.0
20°-30°	409.8	18.5
30°-40°	437.1	19.8
40°-50°	408.6	18.5
50°-60°	311.5	14.1
60°-70°	169.5	7.7
70°-80°	45.5	2.1
80°-90°	0.6	0.0
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°	837.0	37.9
0°-40°	1274.1	57.7
0°-60°	1994.2	90.2
0°-90°	2209.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2209.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1278	
5°	1260	118
15°	1102	309
25°	892	410
35°	698	437
45°	532	409
55°	351	312
65°	169	169
75°	39	45
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1277.8
2.5°	1273.7
5°	1260.2
7.5°	1231.8
10°	1199.3
12.5°	1153.3
15°	1101.8
17.5°	1050.4
20°	994.9
22.5°	942.1
25°	892.0
27.5°	839.2
30°	789.1
32.5°	740.4
35°	698.4
37.5°	656.5
40°	613.2
42.5°	573.9
45°	532.0
47.5°	485.9
50°	442.6
52.5°	396.6
55°	350.6
57.5°	300.5
60°	254.5
62.5°	211.2
65°	169.2
67.5°	131.3
70°	96.1
72.5°	66.3
75°	39.3
77.5°	17.6
80°	4.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)