

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: P205194

Luminaire Tested: **LSR6B20D010BZ EC6B10208050 6LBWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205194  
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 6LBWL1  
Description: PORTFOLIO 6IN CYLINDER  
WIDE DISTRIBUTION WITH SPECULAR CLEAR 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: 2132.3 lumens  
Efficiency: N/A  
Efficacy: 102.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

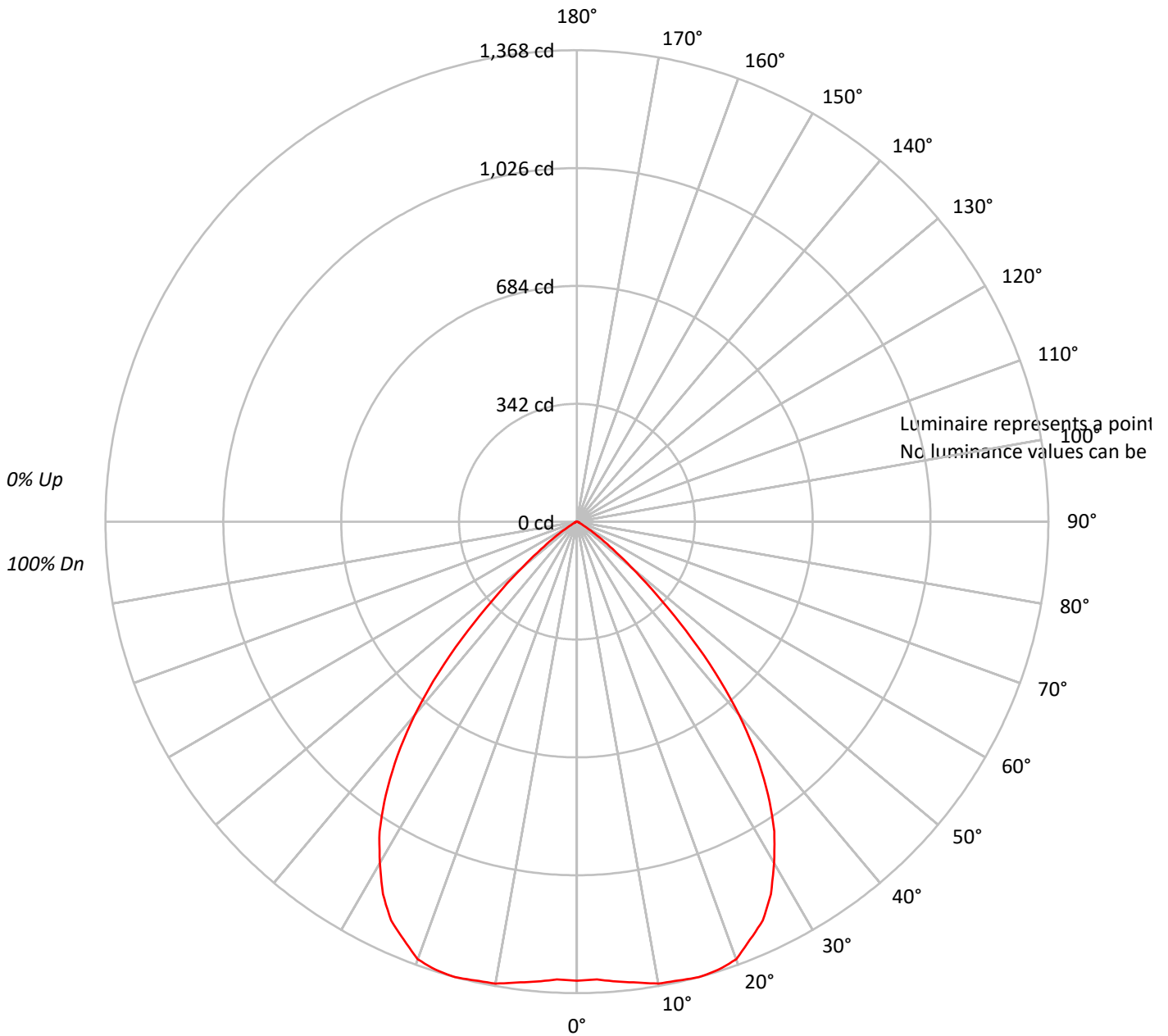
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205194

CATALOG NUMBER: LSR6B20D010BZ EC6B10208050 6LBWL11

### Luminous Intensity Polar Plot





TEST NUMBER: P205194

CATALOG NUMBER: LSR6B20D010BZ EC6B10208050 6LBWLI1

**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	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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92																																				
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83																																				
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76																																				
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69																																				
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63																																				
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57																																				
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52																																				
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48																																				
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44																																				
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41																																				

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





TEST NUMBER: P205194

CATALOG NUMBER: LSR6B20D010BZ EC6B10208050 6LBWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.5	6.0
10°-20°	386.3	18.1
20°-30°	582.3	27.3
30°-40°	596.0	27.9
40°-50°	347.2	16.3
50°-60°	79.8	3.7
60°-70°	9.8	0.5
70°-80°	2.5	0.1
80°-90°	0.0	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°	1097.0	51.4
0°-40°	1693.0	79.4
0°-60°	2120.0	99.4
0°-90°	2132.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2132.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1332	
5°	1339	129
15°	1368	386
25°	1276	582
35°	967	596
45°	447	347
55°	77	80
65°	7	10
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P205194

CATALOG NUMBER: LSR6B20D010BZ EC6B10208050 6LBWLI1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1332.1
2.5°	1329.7
5°	1339.4
7.5°	1349.0
10°	1361.1
12.5°	1363.5
15°	1368.4
17.5°	1363.5
20°	1351.4
22.5°	1312.8
25°	1276.5
27.5°	1218.5
30°	1143.5
32.5°	1066.2
35°	967.0
37.5°	855.8
40°	732.5
42.5°	594.7
45°	447.3
47.5°	311.9
50°	205.5
52.5°	130.6
55°	77.4
57.5°	41.1
60°	21.8
62.5°	12.1
65°	7.3
67.5°	7.3
70°	4.8
72.5°	2.4
75°	2.4
77.5°	2.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)