

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: P202723

Luminaire Tested: **LSR6B20D010BZ EC6B10208040 6LBWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202723  
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 EC6B10208040 6LBWH1  
Description: PORTFOLIO 6IN CYLINDER  
WIDE DISTRIBUTION WITH SEMI-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: 1867.1 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

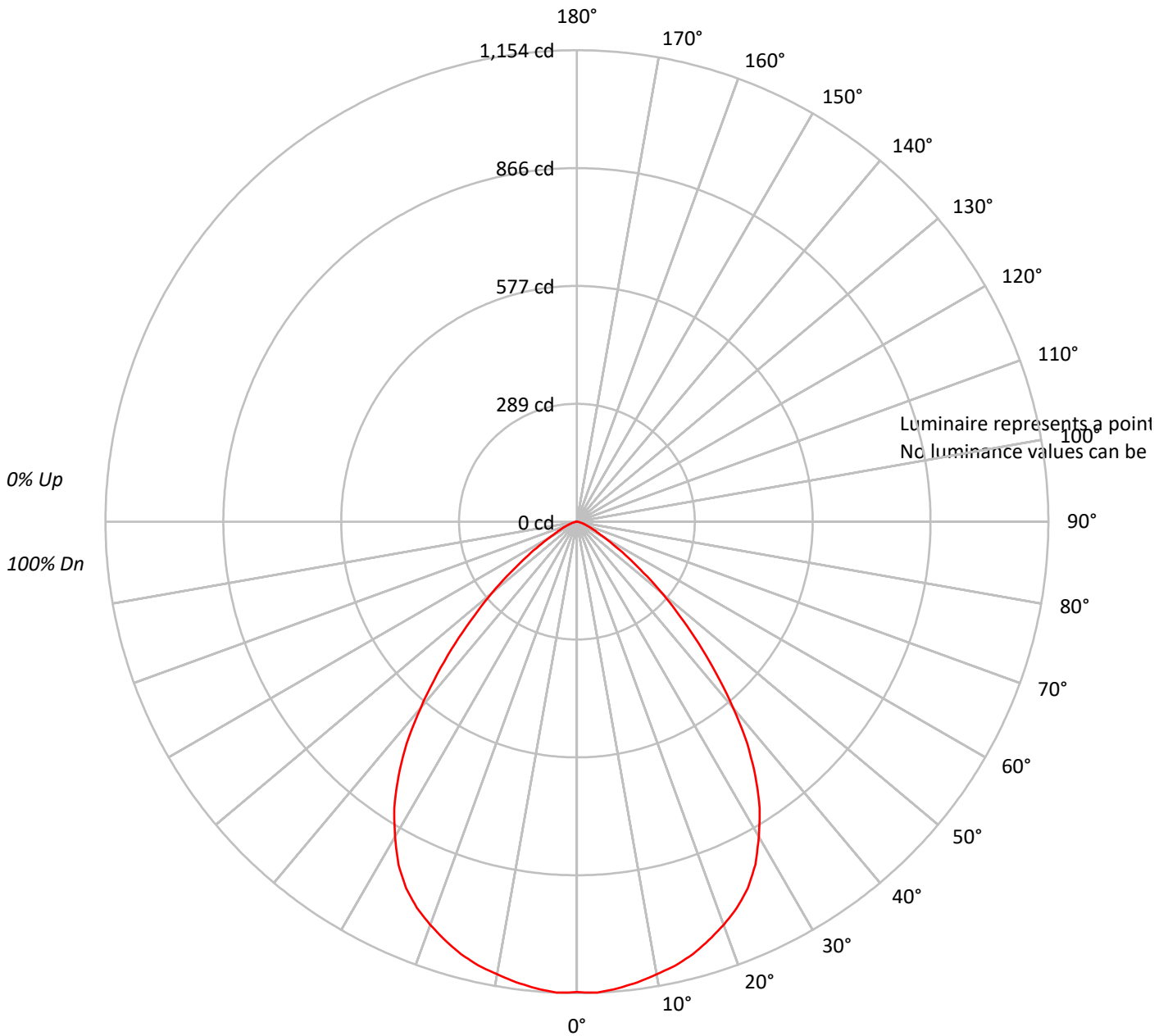
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P202723

CATALOG NUMBER: LSR6B20D010BZ EC6B10208040 6LBWH1

### Luminous Intensity Polar Plot





TEST NUMBER: P202723

CATALOG NUMBER: LSR6B20D010BZ EC6B10208040 6LBWH1

**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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91																																				
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81																																				
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73																																				
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65																																				
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59																																				
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53																																				
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49																																				
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																																				
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41																																				
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38																																				

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





TEST NUMBER: P202723

CATALOG NUMBER: LSR6B20D010BZ EC6B10208040 6LBWH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.8	5.8
10°-20°	308.6	16.5
20°-30°	452.5	24.2
30°-40°	471.0	25.2
40°-50°	325.8	17.5
50°-60°	141.8	7.6
60°-70°	43.5	2.3
70°-80°	13.0	0.7
80°-90°	2.0	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°	869.9	46.6
0°-40°	1340.9	71.8
0°-60°	1808.6	96.9
0°-90°	1867.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1867.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1152	
5°	1147	109
15°	1096	309
25°	990	453
35°	762	471
45°	421	326
55°	152	142
65°	41	43
75°	12	13
85°	2	2
90°	0	



TEST NUMBER: P202723

CATALOG NUMBER: LSR6B20D010BZ EC6B10208040 6LBWH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1151.6
2.5°	1154.0
5°	1146.8
7.5°	1137.1
10°	1125.0
12.5°	1112.9
15°	1096.0
17.5°	1074.2
20°	1050.0
22.5°	1023.4
25°	989.5
27.5°	946.0
30°	890.3
32.5°	832.3
35°	762.1
37.5°	684.7
40°	595.2
42.5°	505.6
45°	421.0
47.5°	341.1
50°	271.0
52.5°	205.6
55°	152.4
57.5°	108.9
60°	75.0
62.5°	55.6
65°	41.1
67.5°	31.5
70°	21.8
72.5°	16.9
75°	12.1
77.5°	7.3
80°	4.8
82.5°	2.4
85°	2.4
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)