

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: P203757

Luminaire Tested: **LSR6B20D010BZ EC6B10209030 6LBNWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203757  
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 EC6B10209030 6LBNWH1  
Description: PORTFOLIO 6IN CYLINDER  
NARROW DISTRIBUTION WITH WHEAT 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: 1172.8 lumens  
Efficiency: N/A  
Efficacy: 56.4 lumens/watt  
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

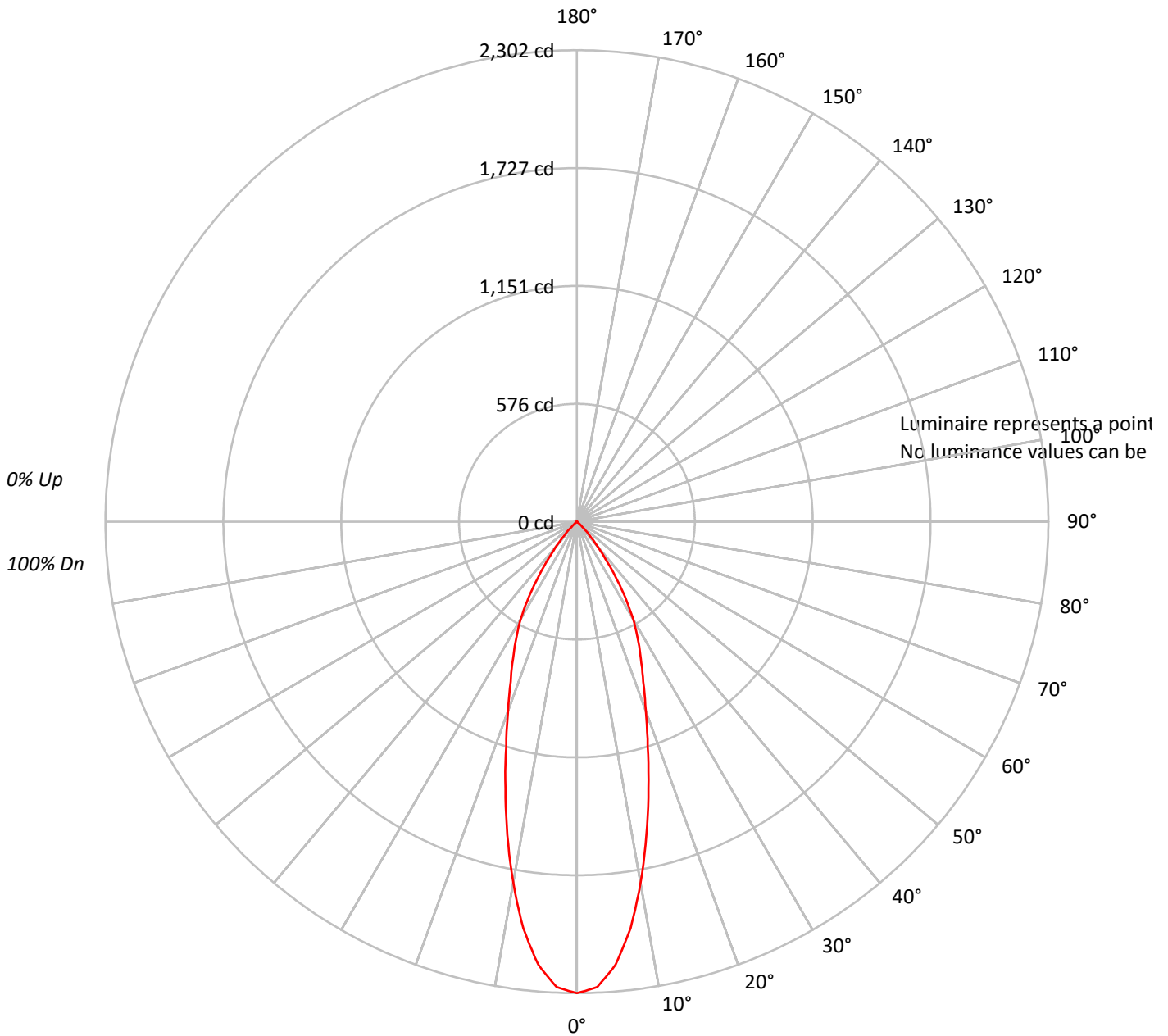
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203757

CATALOG NUMBER: LSR6B20D010BZ EC6B10209030 6LBNWH1

### Luminous Intensity Polar Plot





TEST NUMBER: P203757

CATALOG NUMBER: LSR6B20D010BZ EC6B10209030 6LBNWH1

**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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

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





TEST NUMBER: P203757

CATALOG NUMBER: LSR6B20D010BZ EC6B10209030 6LBNWH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.9	16.6
10°-20°	374.5	31.9
20°-30°	340.5	29.0
30°-40°	206.4	17.6
40°-50°	47.0	4.0
50°-60°	6.0	0.5
60°-70°	2.7	0.2
70°-80°	0.8	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°	909.9	77.6
0°-40°	1116.3	95.2
0°-60°	1169.3	99.7
0°-90°	1172.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1172.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2302	
5°	2171	195
15°	1349	375
25°	738	340
35°	327	206
45°	52	47
55°	6	6
65°	2	3
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P203757

CATALOG NUMBER: LSR6B20D010BZ EC6B10209030 6LBNWH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2302.5
2.5°	2274.5
5°	2170.8
7.5°	2003.2
10°	1789.7
12.5°	1568.2
15°	1348.8
17.5°	1149.2
20°	981.6
22.5°	846.0
25°	738.2
27.5°	642.5
30°	548.7
32.5°	438.9
35°	327.2
37.5°	229.4
40°	151.6
42.5°	93.8
45°	51.9
47.5°	23.9
50°	10.0
52.5°	8.0
55°	6.0
57.5°	6.0
60°	4.0
62.5°	4.0
65°	2.0
67.5°	2.0
70°	2.0
72.5°	2.0
75°	0.0
77.5°	0.0
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)