

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: P204685

Luminaire Tested: **LSR6B20D010BZ EC6B10209027 6LBPSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204685  
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 EC6B10209027 6LBPSMW1  
Description: PORTFOLIO 6IN CYLINDER  
SHALLOW DISTRIBUTION WITH PLASTIC MATTE WHITE 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: 1878.2 lumens  
Efficiency: N/A  
Efficacy: 90.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

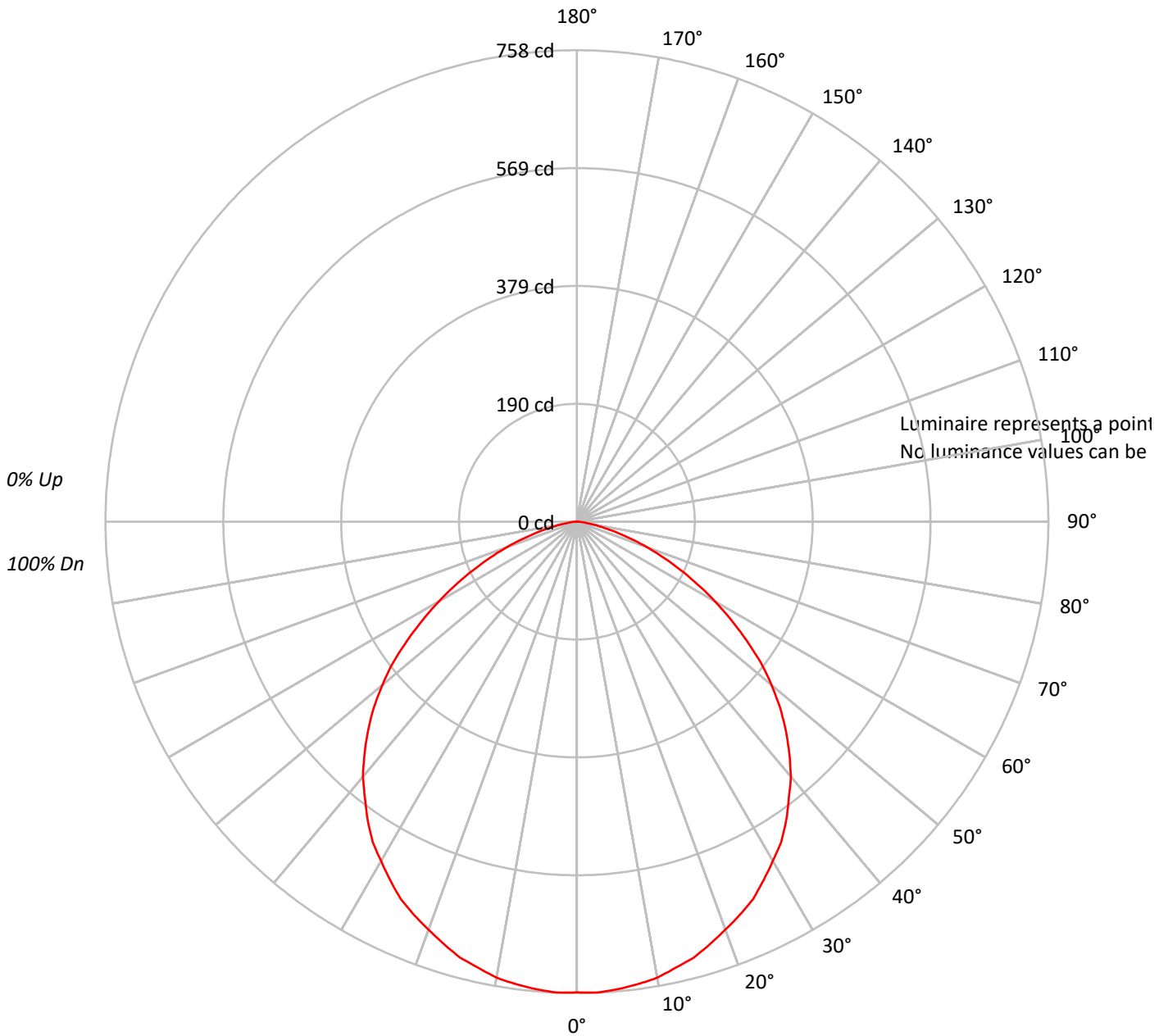
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204685

CATALOG NUMBER: LSR6B20D010BZ EC6B10209027 6LBPSMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P204685

CATALOG NUMBER: LSR6B20D010BZ EC6B10209027 6LBPSMW1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86																			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																			
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63																			
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54																			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47																			
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42																			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37																			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30																			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																			

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





TEST NUMBER: P204685

CATALOG NUMBER: LSR6B20D010BZ EC6B10209027 6LBPSMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.7	3.8
10°-20°	204.4	10.9
20°-30°	307.8	16.4
30°-40°	366.3	19.5
40°-50°	365.6	19.5
50°-60°	297.3	15.8
60°-70°	182.9	9.7
70°-80°	70.8	3.8
80°-90°	11.4	0.6
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°	583.9	31.1
0°-40°	950.2	50.6
0°-60°	1613.1	85.9
0°-90°	1878.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1878.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	757	
5°	754	72
15°	726	204
25°	670	308
35°	586	366
45°	475	366
55°	333	297
65°	184	183
75°	64	71
85°	9	11
90°	0	



TEST NUMBER: P204685

CATALOG NUMBER: LSR6B20D010BZ EC6B10209027 6LBPSMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	756.7
2.5°	757.9
5°	754.5
7.5°	750.1
10°	744.5
12.5°	734.5
15°	725.6
17.5°	712.2
20°	697.8
22.5°	684.4
25°	669.9
27.5°	649.9
30°	629.9
32.5°	611.0
35°	586.5
37.5°	559.8
40°	535.3
42.5°	505.2
45°	475.2
47.5°	442.9
50°	408.4
52.5°	372.8
55°	332.7
57.5°	293.8
60°	256.0
62.5°	219.2
65°	183.6
67.5°	150.2
70°	119.1
72.5°	90.1
75°	64.5
77.5°	42.3
80°	25.6
82.5°	15.6
85°	8.9
87.5°	4.5
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)