

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: P202732

Luminaire Tested: **LSR6B20D010BZ EC6B10209730 6LBWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202732  
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 EC6B10209730 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: 1345.5 lumens  
Efficiency: N/A  
Efficacy: 64.7 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

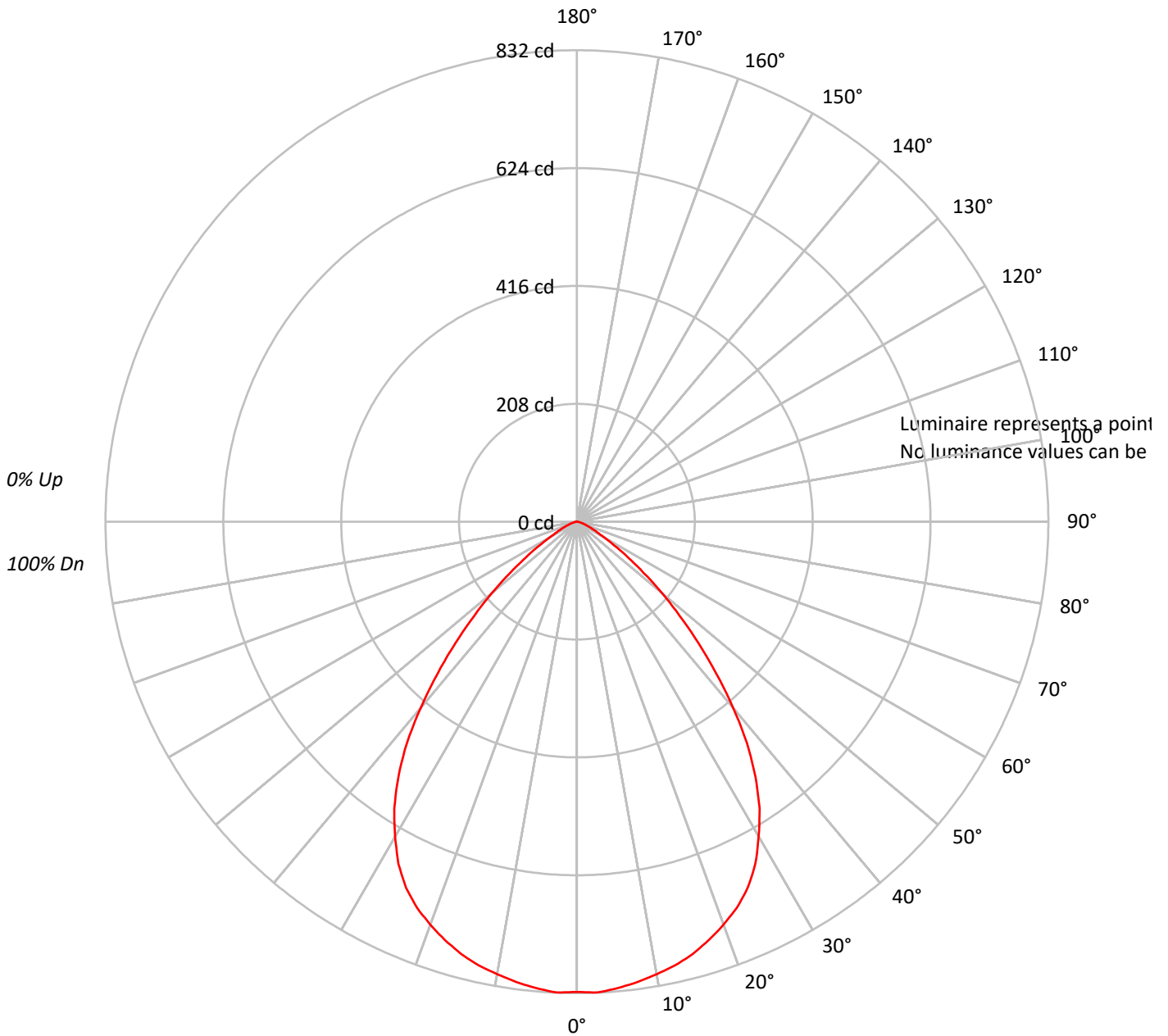
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	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):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.4	5.8
10°-20°	222.4	16.5
20°-30°	326.1	24.2
30°-40°	339.4	25.2
40°-50°	234.8	17.5
50°-60°	102.2	7.6
60°-70°	31.4	2.3
70°-80°	9.4	0.7
80°-90°	1.4	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°	626.9	46.6
0°-40°	966.3	71.8
0°-60°	1303.4	96.9
0°-90°	1345.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1345.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	830	
5°	826	78
15°	790	222
25°	713	326
35°	549	339
45°	303	235
55°	110	102
65°	30	31
75°	9	9
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	829.9
2.5°	831.7
5°	826.5
7.5°	819.5
10°	810.8
12.5°	802.1
15°	789.8
17.5°	774.2
20°	756.7
22.5°	737.5
25°	713.1
27.5°	681.7
30°	641.6
32.5°	599.8
35°	549.2
37.5°	493.4
40°	428.9
42.5°	364.4
45°	303.4
47.5°	245.8
50°	195.3
52.5°	148.2
55°	109.8
57.5°	78.5
60°	54.1
62.5°	40.1
65°	29.6
67.5°	22.7
70°	15.7
72.5°	12.2
75°	8.7
77.5°	5.2
80°	3.5
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)