

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: P203140

Luminaire Tested: **LSR6B20D010BZ EC6B10209035 6LBWMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203140  
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 EC6B10209035 6LBWMW1  
Description: PORTFOLIO 6IN CYLINDER  
WIDE DISTRIBUTION WITH 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: 1668.9 lumens  
Efficiency: N/A  
Efficacy: 80.2 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

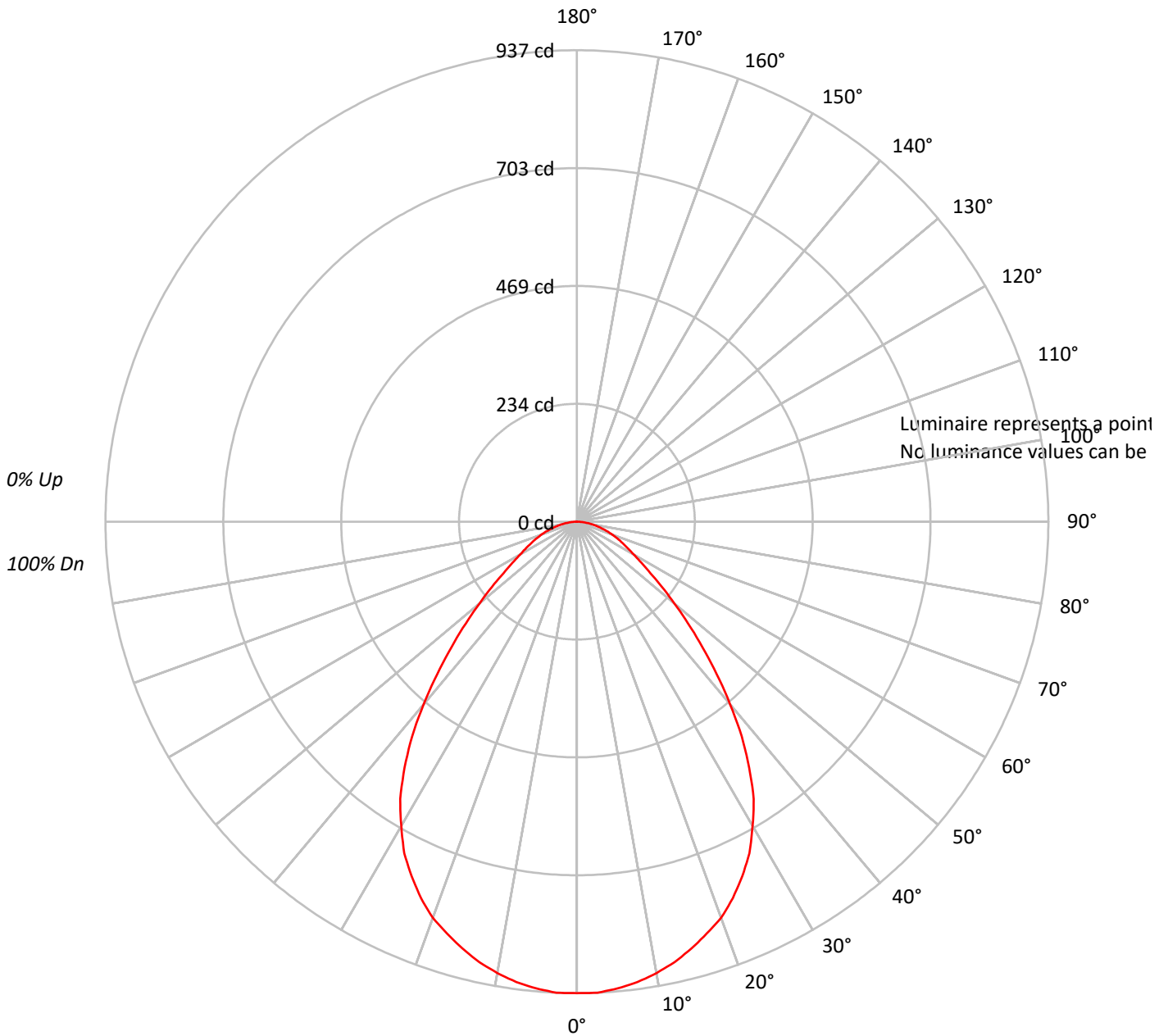
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									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	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10										
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100											
	1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88										
	2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77										
	3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68									
	4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60									
	5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54									
	6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49									
	7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44									
	8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40									
	9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37									
	10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34										

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.3	5.3
10°-20°	247.5	14.8
20°-30°	356.6	21.4
30°-40°	370.3	22.2
40°-50°	273.8	16.4
50°-60°	163.5	9.8
60°-70°	99.4	6.0
70°-80°	54.5	3.3
80°-90°	15.2	0.9
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°	692.4	41.5
0°-40°	1062.7	63.7
0°-60°	1499.9	89.9
0°-90°	1668.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1668.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	937	
5°	931	88
15°	878	248
25°	777	357
35°	597	370
45°	352	274
55°	178	163
65°	99	99
75°	51	54
85°	12	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	937.2
2.5°	937.2
5°	931.1
7.5°	923.0
10°	910.9
12.5°	896.7
15°	878.5
17.5°	858.3
20°	838.0
22.5°	809.7
25°	777.3
27.5°	742.9
30°	698.3
32.5°	653.8
35°	597.1
37.5°	538.4
40°	473.7
42.5°	410.9
45°	352.2
47.5°	299.6
50°	253.0
52.5°	212.5
55°	178.1
57.5°	151.8
60°	129.5
62.5°	113.4
65°	99.2
67.5°	87.0
70°	74.9
72.5°	62.8
75°	50.6
77.5°	40.5
80°	30.4
82.5°	22.3
85°	12.1
87.5°	6.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)