

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: P204062

Luminaire Tested: **LSR6B20D010BZ EC6B10208040 6LBNMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204062  
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 6LBNMW1  
Description: PORTFOLIO 6IN CYLINDER  
NARROW 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: 1523.6 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

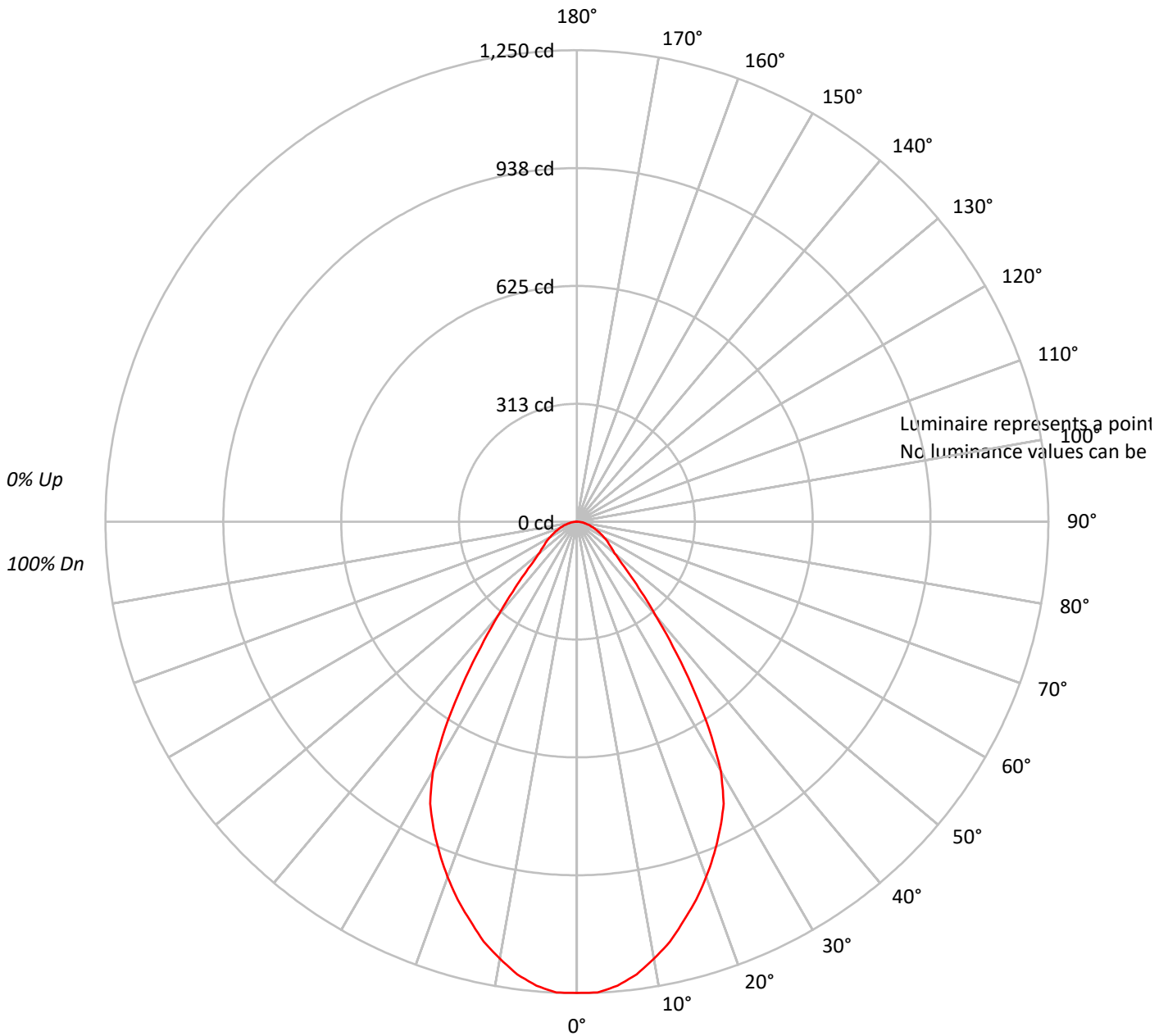
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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									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	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																																				
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81																																				
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																																				
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66																																				
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61																																				
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56																																				
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																																				
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47																																				
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																																				
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41																																				

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.0	7.6
10°-20°	307.6	20.2
20°-30°	410.6	26.9
30°-40°	331.3	21.7
40°-50°	158.8	10.4
50°-60°	94.1	6.2
60°-70°	62.6	4.1
70°-80°	33.5	2.2
80°-90°	9.2	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°	834.2	54.8
0°-40°	1165.5	76.5
0°-60°	1418.3	93.1
0°-90°	1523.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1523.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1250	
5°	1235	116
15°	1095	308
25°	898	411
35°	530	331
45°	196	159
55°	104	94
65°	63	63
75°	32	34
85°	7	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1249.6
2.5°	1249.6
5°	1235.0
7.5°	1210.8
10°	1176.9
12.5°	1140.6
15°	1094.6
17.5°	1051.0
20°	1002.6
22.5°	951.7
25°	898.4
27.5°	842.7
30°	762.8
32.5°	651.4
35°	530.3
37.5°	418.9
40°	324.5
42.5°	251.9
45°	196.2
47.5°	155.0
50°	130.8
52.5°	116.2
55°	104.1
57.5°	94.4
60°	82.3
62.5°	72.6
65°	63.0
67.5°	53.3
70°	46.0
72.5°	38.7
75°	31.5
77.5°	24.2
80°	19.4
82.5°	14.5
85°	7.3
87.5°	2.4
90°	0.0



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— 0°-180°







(END OF REPORT)