

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: P202720

Luminaire Tested: **LSR6B20D010BZ EC6B10208027 6LBWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202720  
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 EC6B10208027 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: 1724.7 lumens  
Efficiency: N/A  
Efficacy: 82.9 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

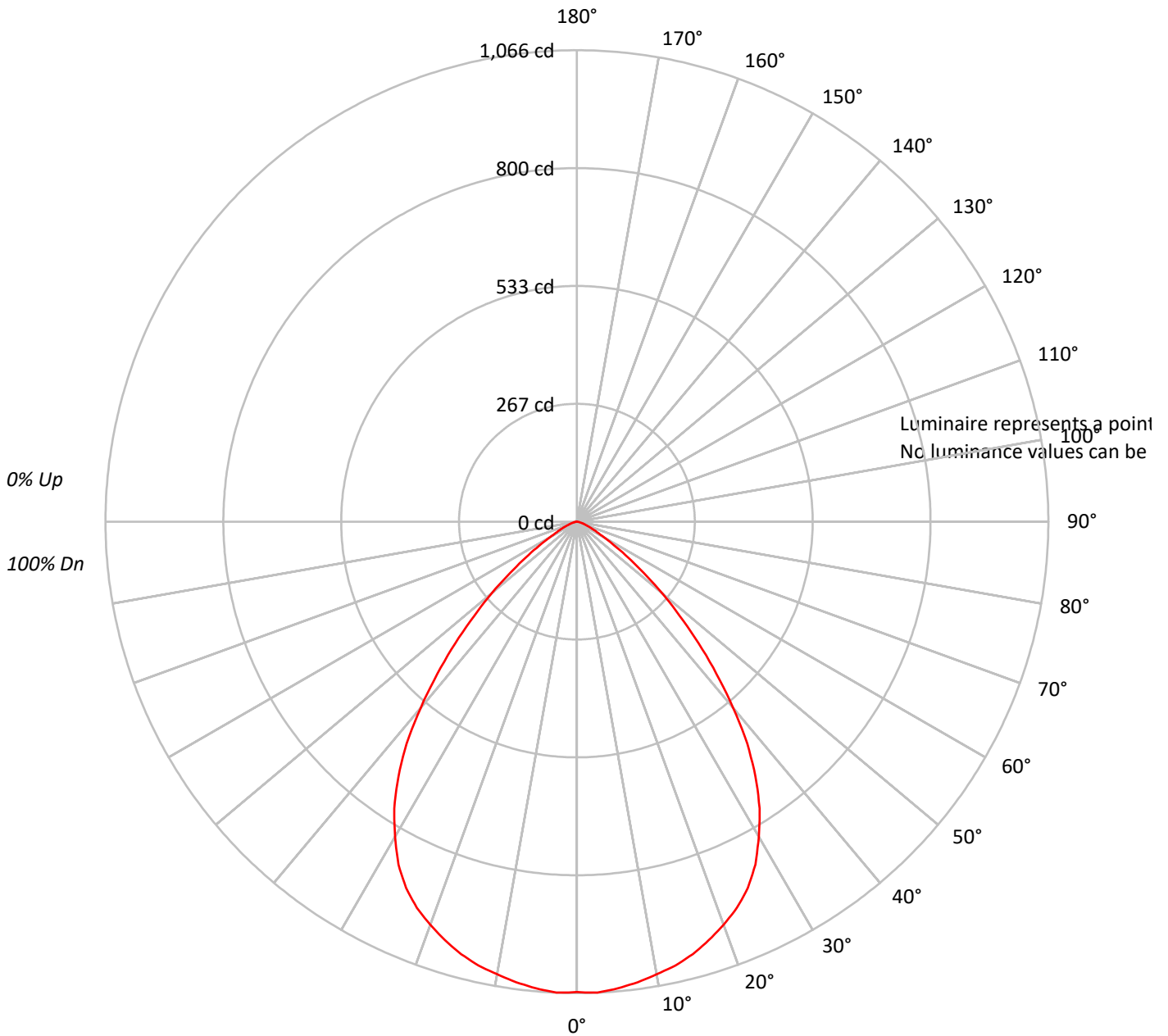
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									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	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°	100.5	5.8
10°-20°	285.1	16.5
20°-30°	418.0	24.2
30°-40°	435.1	25.2
40°-50°	301.0	17.5
50°-60°	131.1	7.6
60°-70°	40.2	2.3
70°-80°	12.0	0.7
80°-90°	1.8	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°	803.6	46.6
0°-40°	1238.6	71.8
0°-60°	1670.7	96.9
0°-90°	1724.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1724.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1064	
5°	1059	100
15°	1012	285
25°	914	418
35°	704	435
45°	389	301
55°	141	131
65°	38	40
75°	11	12
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1063.8
2.5°	1066.0
5°	1059.3
7.5°	1050.4
10°	1039.2
12.5°	1028.0
15°	1012.4
17.5°	992.3
20°	969.9
22.5°	945.3
25°	914.0
27.5°	873.8
30°	822.4
32.5°	768.8
35°	704.0
37.5°	632.5
40°	549.8
42.5°	467.1
45°	388.9
47.5°	315.1
50°	250.3
52.5°	190.0
55°	140.8
57.5°	100.6
60°	69.3
62.5°	51.4
65°	38.0
67.5°	29.1
70°	20.1
72.5°	15.6
75°	11.2
77.5°	6.7
80°	4.5
82.5°	2.2
85°	2.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)