

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: P203681

Luminaire Tested: **LSR6B40D010BZ EC6B30509035 6LBNH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203681  
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: LSR6B40D010BZ EC6B30509035 6LBNH1  
Description: PORTFOLIO 6IN CYLINDER  
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57  
W DL3-44.71 W DLE-39.33 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2276.4 lumens  
Efficiency: N/A  
Efficacy: 54.5 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

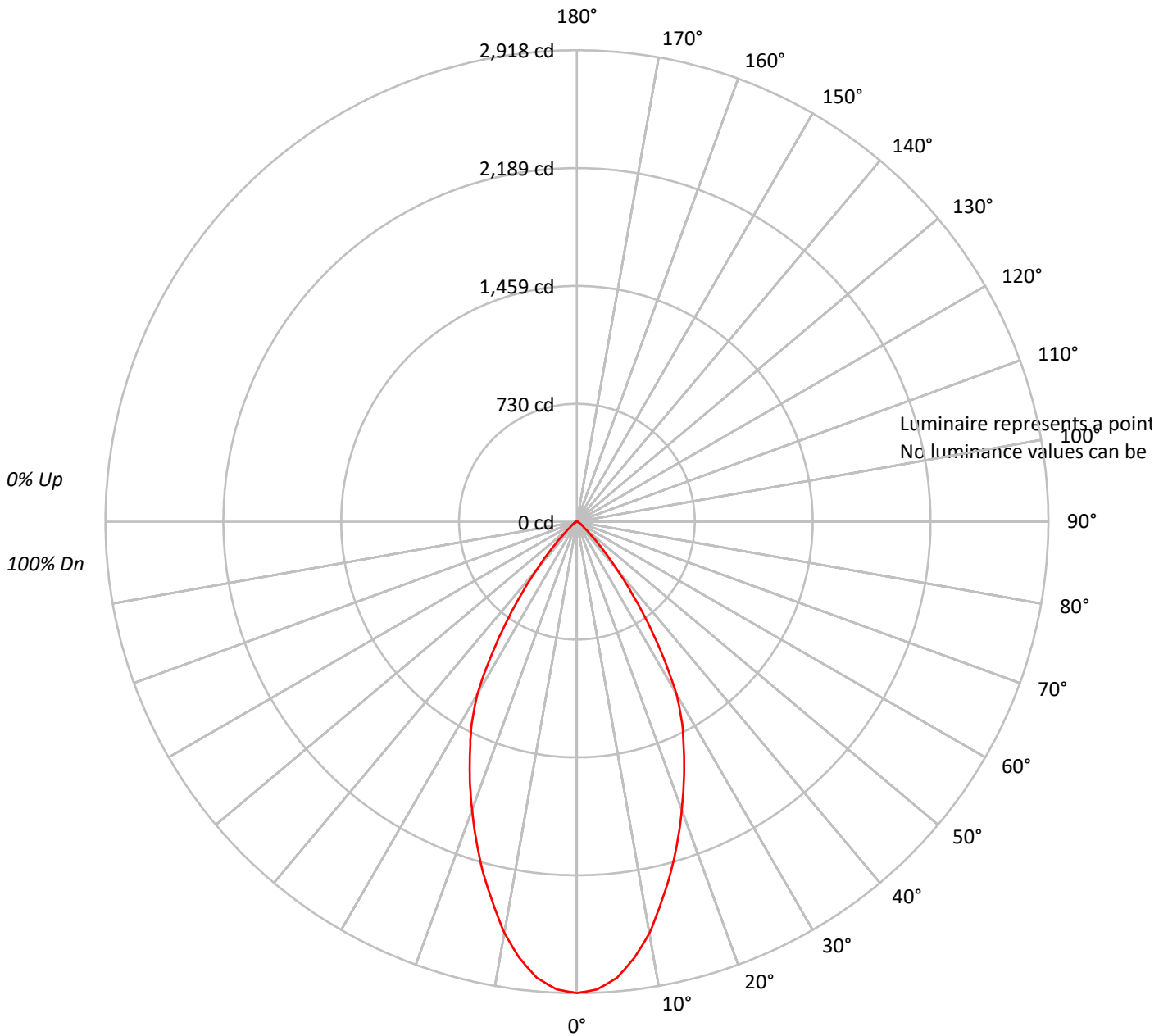
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93																																			
	2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87																																			
	3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81																																			
	4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75																																			
	5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70																																			
	6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65																																			
	7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61																																			
	8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58																																			
	9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54																																			
	10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51																																			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.4	11.5
10°-20°	625.8	27.5
20°-30°	716.9	31.5
30°-40°	481.7	21.2
40°-50°	137.6	6.0
50°-60°	33.7	1.5
60°-70°	12.8	0.6
70°-80°	5.0	0.2
80°-90°	0.6	0.0
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°	1605.0	70.5
0°-40°	2086.7	91.7
0°-60°	2258.0	99.2
0°-90°	2276.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2276.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2918	
5°	2835	262
15°	2246	626
25°	1565	717
35°	768	482
45°	158	138
55°	37	34
65°	12	13
75°	4	5
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2917.9
2.5°	2897.2
5°	2834.9
7.5°	2722.9
10°	2585.9
12.5°	2411.6
15°	2245.5
17.5°	2071.2
20°	1896.9
22.5°	1730.8
25°	1564.8
27.5°	1411.2
30°	1232.8
32.5°	996.2
35°	767.9
37.5°	560.3
40°	386.0
42.5°	253.2
45°	157.7
47.5°	95.5
50°	58.1
52.5°	45.7
55°	37.4
57.5°	29.1
60°	20.8
62.5°	16.6
65°	12.5
67.5°	8.3
70°	8.3
72.5°	4.2
75°	4.2
77.5°	4.2
80°	4.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)