

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: P203987

Luminaire Tested: **LSR6B40D010BZ EC6B30509024 6LBNB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203987  
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 EC6B30509024 6LBNB1  
Description: PORTFOLIO 6IN CYLINDER  
NARROW DISTRIBUTION WITH SPECULAR BLACK 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: 1317.8 lumens  
Efficiency: N/A  
Efficacy: 31.5 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.83  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

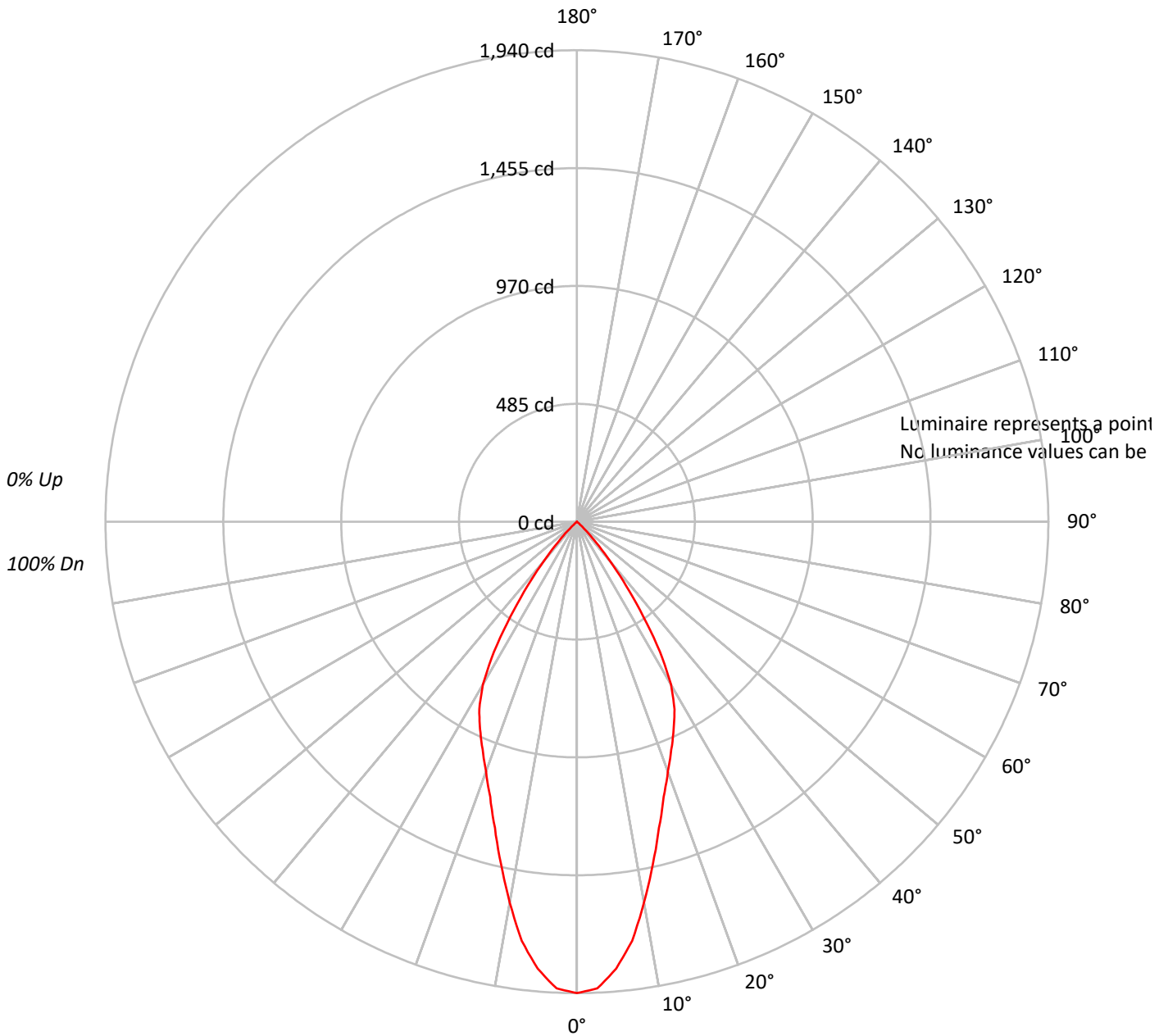
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203987

CATALOG NUMBER: LSR6B40D010BZ EC6B30509024 6LBNB1

### Luminous Intensity Polar Plot





TEST NUMBER: P203987

CATALOG NUMBER: LSR6B40D010BZ EC6B30509024 6LBNB1

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

RF	20									20									20									20									20									20
RC	80									50									30									10									0									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																			100									
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94																			94									
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88																			88									
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82																			82									
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77																			77									
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72																			72									
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67																			67									
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63																			63									
8	81	72	66	62	80	71	66	62	70	65	61	69	64	61	68	64	61	60																			60									
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	61	58	56																			56									
10	74	64	59	55	73	64	58	55	63	58	55	62	58	55	62	57	54	53																			53									

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





TEST NUMBER: P203987

CATALOG NUMBER: LSR6B40D010BZ EC6B30509024 6LBNB1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.3	12.8
10°-20°	366.8	27.8
20°-30°	431.0	32.7
30°-40°	296.7	22.5
40°-50°	55.0	4.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	966.1	73.3
0°-40°	1262.8	95.8
0°-60°	1317.8	100.0
0°-90°	1317.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1317.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1940	
5°	1847	168
15°	1305	367
25°	942	431
35°	476	297
45°	55	55
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P203987

CATALOG NUMBER: LSR6B40D010BZ EC6B30509024 6LBNB1

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1939.9
2.5°	1922.6
5°	1846.7
7.5°	1739.7
10°	1591.3
12.5°	1442.8
15°	1304.8
17.5°	1187.4
20°	1094.2
22.5°	1014.8
25°	942.3
27.5°	869.8
30°	773.2
32.5°	635.1
35°	476.3
37.5°	331.4
40°	210.6
42.5°	117.4
45°	55.2
47.5°	17.3
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)