

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: P205014

Luminaire Tested: **LSR6B40D010BZ EC6B30508027 6LBSCMMS1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205014  
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 EC6B30508027 6LBCSMMS1  
Description: PORTFOLIO 6IN CYLINDER  
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER 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: 4110.2 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

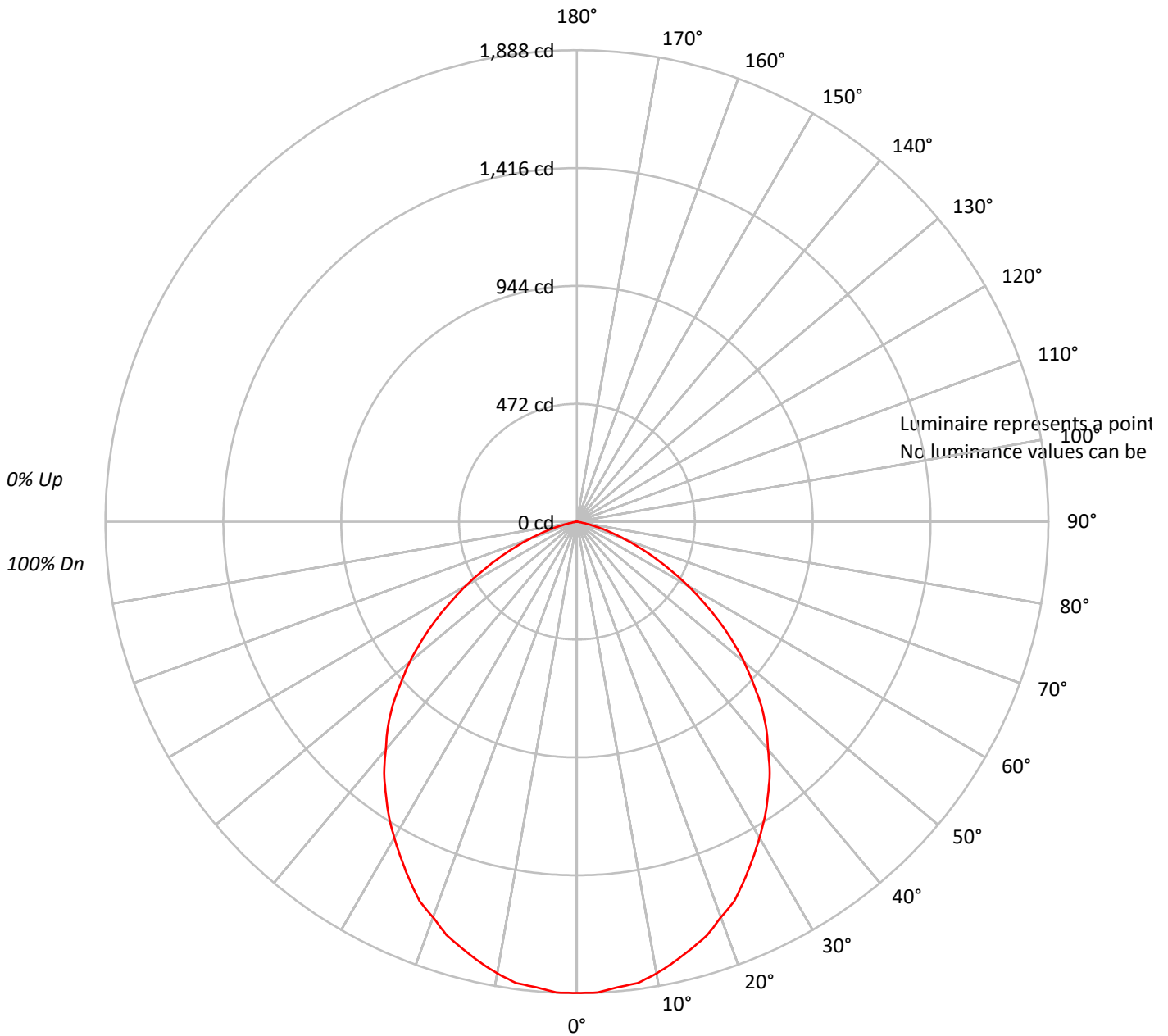
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205014

CATALOG NUMBER: LSR6B40D010BZ EC6B30508027 6LBCSMMS1

### Luminous Intensity Polar Plot





TEST NUMBER: P205014

CATALOG NUMBER: LSR6B40D010BZ EC6B30508027 6LBCSMMS1

**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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76			76
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65			65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57			57
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50			50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44			44
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40			40
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36			36
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32			32
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29			29

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





TEST NUMBER: P205014

CATALOG NUMBER: LSR6B40D010BZ EC6B30508027 6LBCSMMS1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.9	4.3
10°-20°	499.1	12.1
20°-30°	729.0	17.7
30°-40°	833.8	20.3
40°-50°	801.3	19.5
50°-60°	618.8	15.1
60°-70°	345.4	8.4
70°-80°	100.5	2.4
80°-90°	4.3	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°	1406.0	34.2
0°-40°	2239.8	54.5
0°-60°	3660.0	89.0
0°-90°	4110.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4110.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1888	
5°	1872	178
15°	1770	499
25°	1584	729
35°	1334	834
45°	1045	801
55°	694	619
65°	346	345
75°	88	101
85°	3	4
90°	0	



TEST NUMBER: P205014

CATALOG NUMBER: LSR6B40D010BZ EC6B30508027 6LBCSMMS1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1887.5
2.5°	1887.5
5°	1871.5
7.5°	1863.6
10°	1837.0
12.5°	1805.1
15°	1770.5
17.5°	1736.0
20°	1685.5
22.5°	1645.6
25°	1584.4
27.5°	1523.3
30°	1462.1
32.5°	1401.0
35°	1334.5
37.5°	1268.1
40°	1191.0
42.5°	1121.9
45°	1044.8
47.5°	957.0
50°	874.6
52.5°	784.2
55°	693.9
57.5°	600.8
60°	513.1
62.5°	425.4
65°	345.6
67.5°	271.2
70°	202.0
72.5°	140.9
75°	87.7
77.5°	45.2
80°	16.0
82.5°	5.3
85°	2.7
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)