

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: P202758

Luminaire Tested: **LSR6B40D010BZ EC6B30509730 6LBWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202758  
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 EC6B30509730 6LBWH1  
Description: PORTFOLIO 6IN CYLINDER  
WIDE 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: 2758.4 lumens  
Efficiency: N/A  
Efficacy: 66.0 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

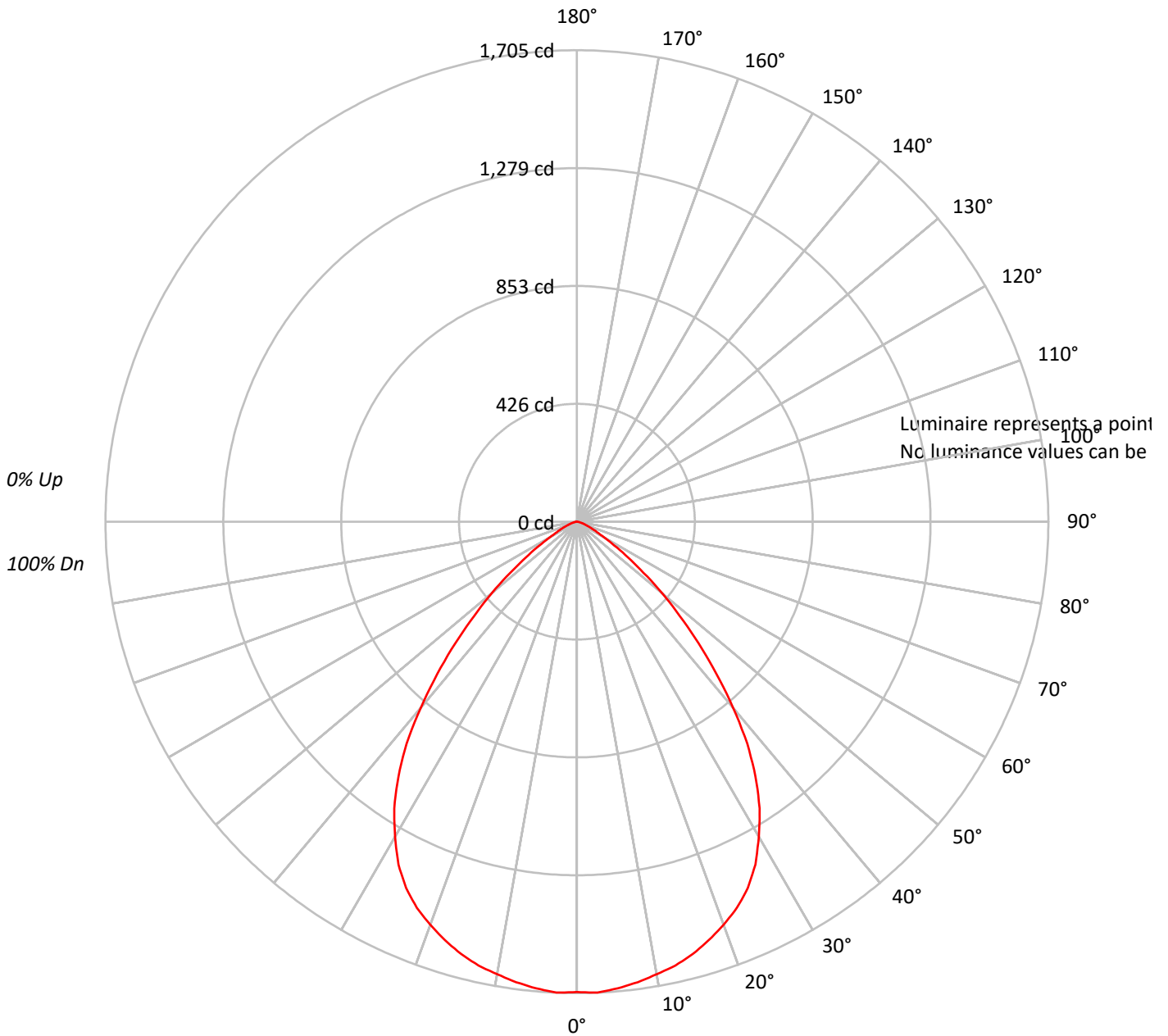
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P202758

CATALOG NUMBER: LSR6B40D010BZ EC6B30509730 6LBWH1

### Luminous Intensity Polar Plot





TEST NUMBER: P202758

CATALOG NUMBER: LSR6B40D010BZ EC6B30509730 6LBWH1

**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	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):**





TEST NUMBER: P202758

CATALOG NUMBER: LSR6B40D010BZ EC6B30509730 6LBWH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.7	5.8
10°-20°	456.0	16.5
20°-30°	668.5	24.2
30°-40°	695.8	25.2
40°-50°	481.4	17.5
50°-60°	209.6	7.6
60°-70°	64.3	2.3
70°-80°	19.3	0.7
80°-90°	2.9	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°	1285.2	46.6
0°-40°	1980.9	71.8
0°-60°	2671.9	96.9
0°-90°	2758.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2758.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1701	
5°	1694	161
15°	1619	456
25°	1462	669
35°	1126	696
45°	622	481
55°	225	210
65°	61	64
75°	18	19
85°	4	3
90°	0	



TEST NUMBER: P202758

CATALOG NUMBER: LSR6B40D010BZ EC6B30509730 6LBWH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1701.3
2.5°	1704.9
5°	1694.2
7.5°	1679.9
10°	1662.0
12.5°	1644.2
15°	1619.1
17.5°	1587.0
20°	1551.2
22.5°	1511.9
25°	1461.9
27.5°	1397.5
30°	1315.3
32.5°	1229.5
35°	1125.9
37.5°	1011.5
40°	879.3
42.5°	747.0
45°	621.9
47.5°	504.0
50°	400.3
52.5°	303.8
55°	225.2
57.5°	160.8
60°	110.8
62.5°	82.2
65°	60.8
67.5°	46.5
70°	32.2
72.5°	25.0
75°	17.9
77.5°	10.7
80°	7.1
82.5°	3.6
85°	3.6
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)