

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: P203047

Luminaire Tested: **LSR6B30D010BZ EC6B30509024 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203047
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: LSR6B30D010BZ EC6B30509024 6LBWB1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SPECULAR BLACK TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1201.2 lumens
Efficiency: N/A
Efficacy: 42.9 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

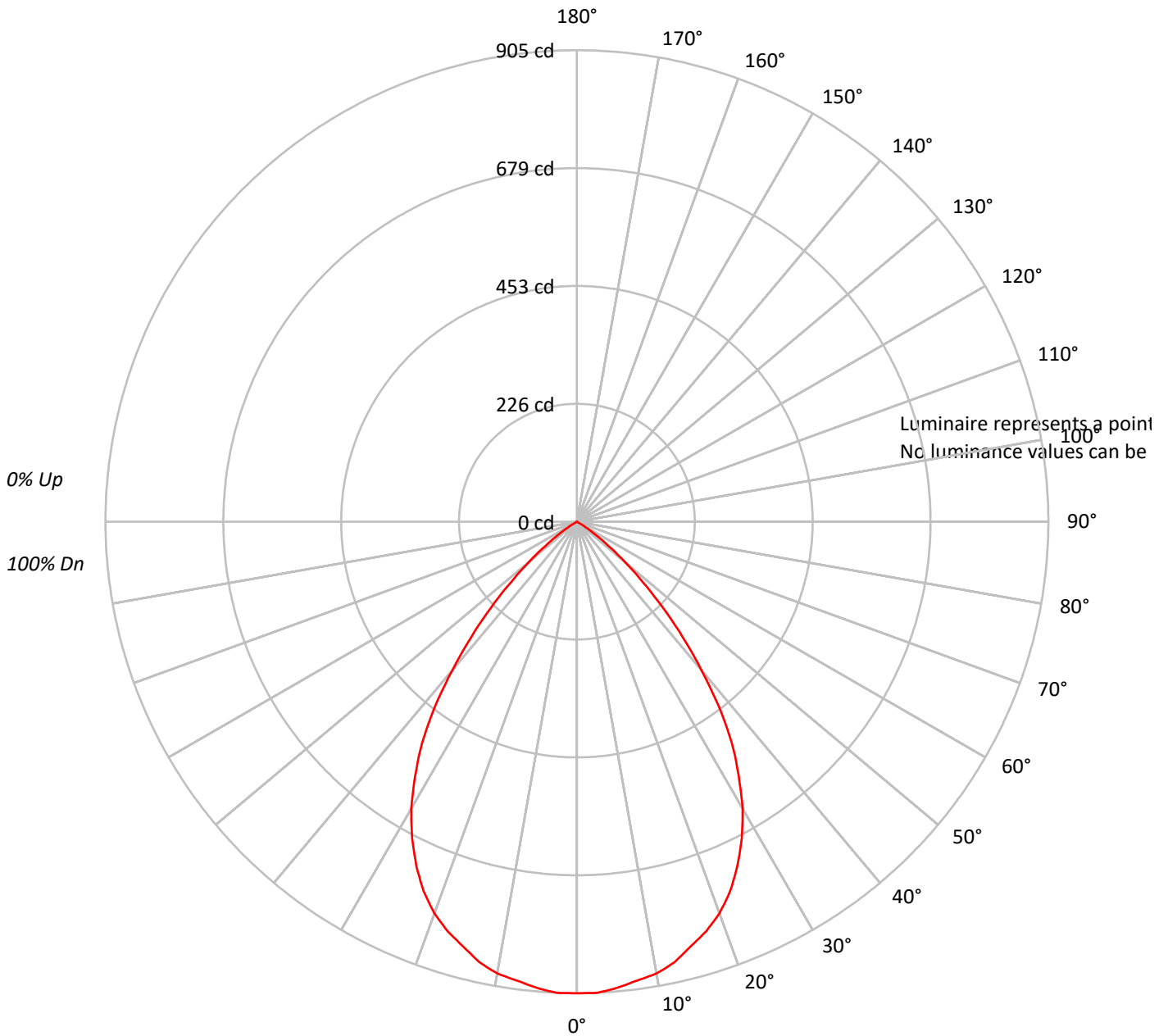
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203047

CATALOG NUMBER: LSR6B30D010BZ EC6B30509024 6LBWB1

Luminous Intensity Polar Plot





TEST NUMBER: P203047

CATALOG NUMBER: LSR6B30D010BZ EC6B30509024 6LBWB1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77		
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64		
6	83	73	67	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59		
7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54		
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50		
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46		
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	42		

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203047

CATALOG NUMBER: LSR6B30D010BZ EC6B30509024 6LBWB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	7.1
10°-20°	238.0	19.8
20°-30°	333.4	27.8
30°-40°	318.4	26.5
40°-50°	181.4	15.1
50°-60°	44.3	3.7
60°-70°	0.6	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°	656.6	54.7
0°-40°	975.0	81.2
0°-60°	1200.6	100.0
0°-90°	1201.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1201.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	905	
5°	898	85
15°	844	238
25°	729	333
35°	519	318
45°	232	181
55°	44	44
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P203047

CATALOG NUMBER: LSR6B30D010BZ EC6B30509024 6LBWB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	905.3
2.5°	905.3
5°	898.0
7.5°	888.2
10°	880.8
12.5°	866.2
15°	844.1
17.5°	824.6
20°	800.1
22.5°	768.3
25°	729.1
27.5°	685.1
30°	636.2
32.5°	577.4
35°	518.7
37.5°	447.8
40°	371.9
42.5°	301.0
45°	232.4
47.5°	171.3
50°	119.9
52.5°	75.9
55°	44.0
57.5°	19.6
60°	4.9
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)