

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: P203154

Luminaire Tested: **LSR6B30D010BZ EC6B30509040 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203154
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 EC6B30509040 6LBWMW1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH MATTE WHITE 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: 2423.6 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

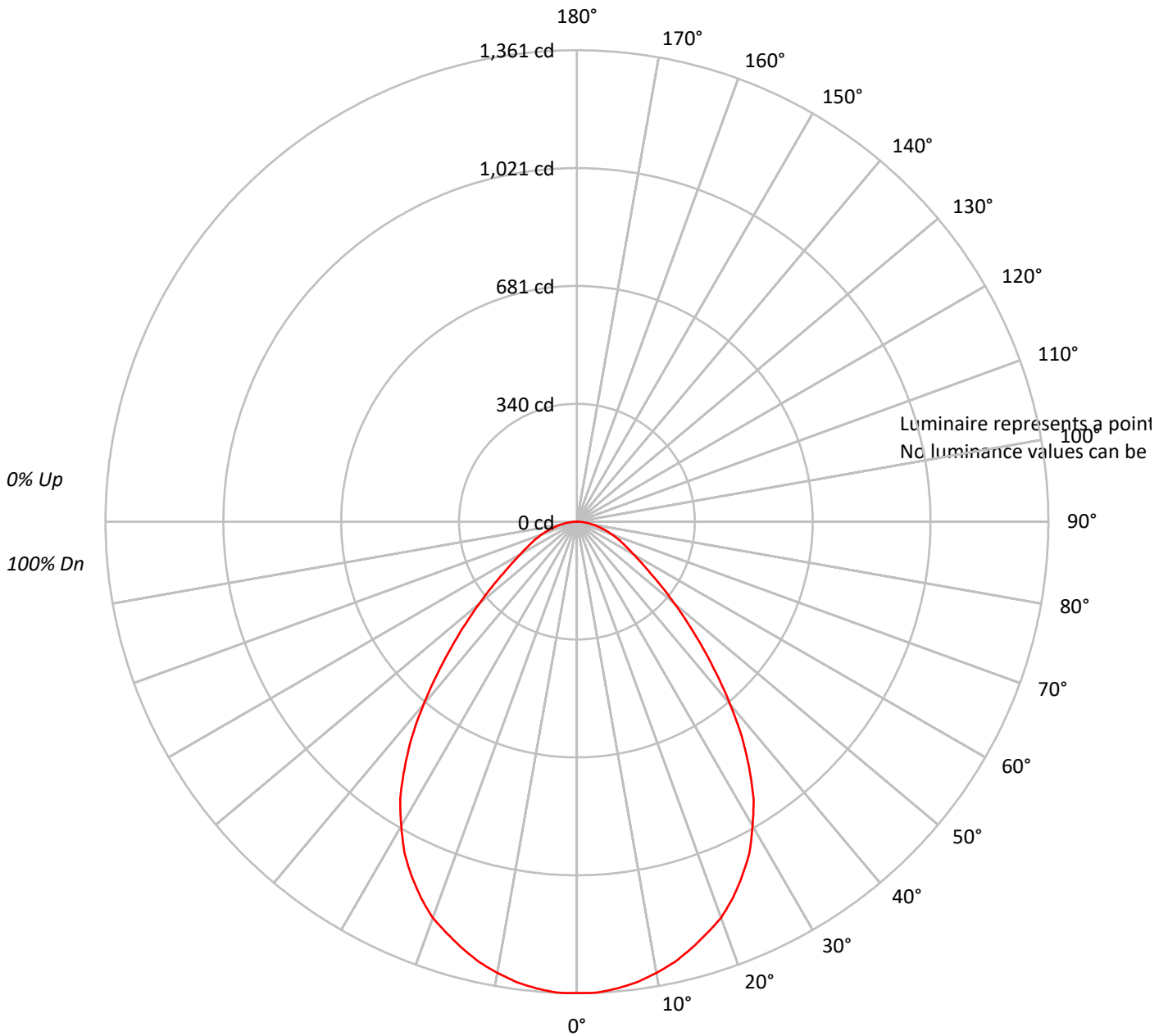
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54			
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	5.3
10°-20°	359.5	14.8
20°-30°	517.9	21.4
30°-40°	537.7	22.2
40°-50°	397.6	16.4
50°-60°	237.5	9.8
60°-70°	144.3	6.0
70°-80°	79.1	3.3
80°-90°	22.0	0.9
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°	1005.5	41.5
0°-40°	1543.3	63.7
0°-60°	2178.3	89.9
0°-90°	2423.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2423.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1361	
5°	1352	128
15°	1276	359
25°	1129	518
35°	867	538
45°	512	398
55°	259	237
65°	144	144
75°	74	79
85°	18	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1361.0
2.5°	1361.0
5°	1352.2
7.5°	1340.4
10°	1322.8
12.5°	1302.2
15°	1275.8
17.5°	1246.4
20°	1217.0
22.5°	1175.8
25°	1128.8
27.5°	1078.8
30°	1014.1
32.5°	949.5
35°	867.2
37.5°	781.9
40°	687.9
42.5°	596.7
45°	511.5
47.5°	435.1
50°	367.4
52.5°	308.7
55°	258.7
57.5°	220.5
60°	188.1
62.5°	164.6
65°	144.0
67.5°	126.4
70°	108.8
72.5°	91.1
75°	73.5
77.5°	58.8
80°	44.1
82.5°	32.3
85°	17.6
87.5°	8.8
90°	0.0



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— 0°-180°







(END OF REPORT)