

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: P203567

Luminaire Tested: **LSR6B30D010BZ EC6B30509050 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203567
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 EC6B30509050 6LBMMW1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM 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: 2065.4 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

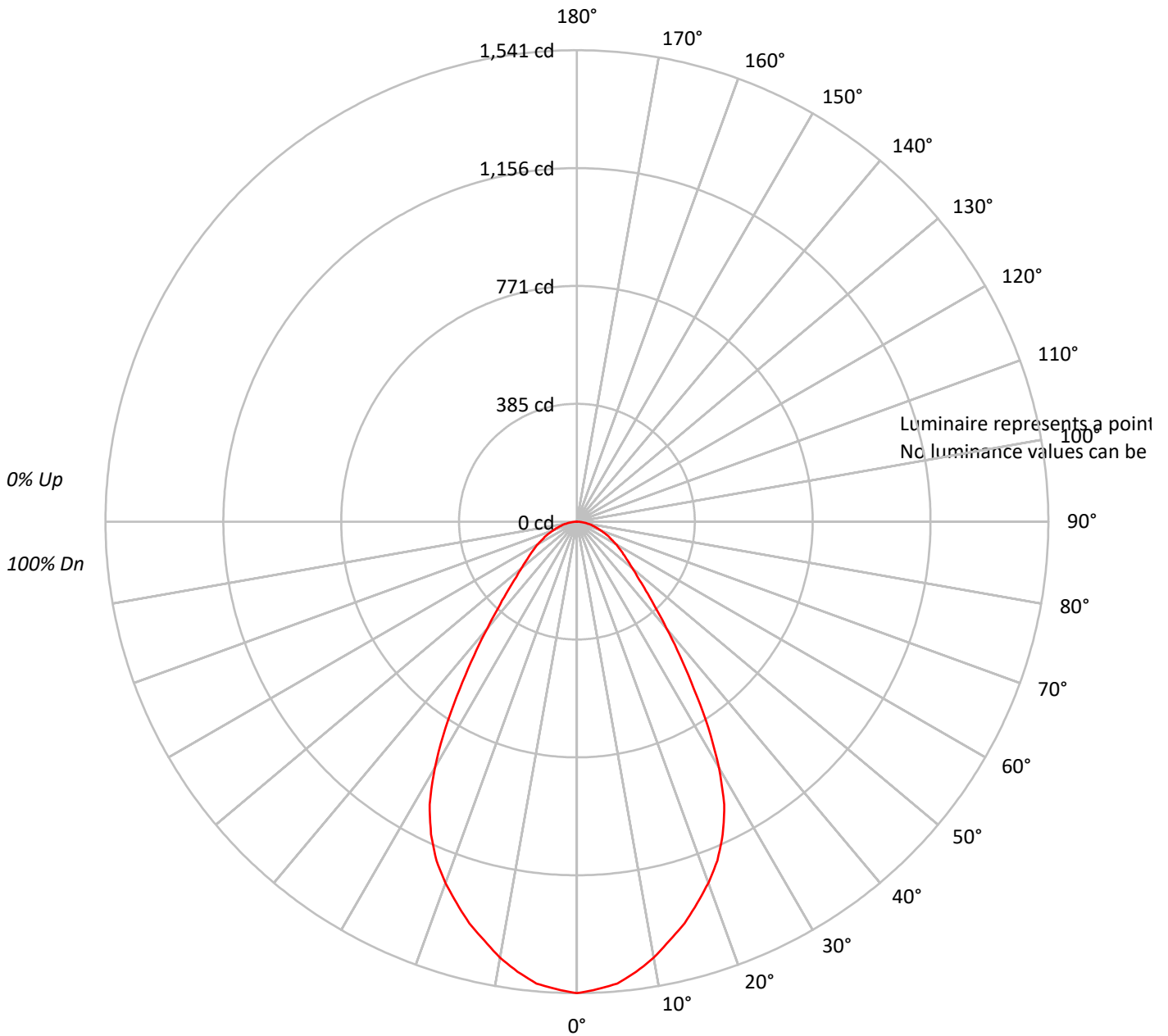
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89																			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79																			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71																			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64																			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58																			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53																			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48																			
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	48	43	53	47	43	52	47	43	51	46	43	41																			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	6.9
10°-20°	381.3	18.5
20°-30°	512.0	24.8
30°-40°	420.0	20.3
40°-50°	252.2	12.2
50°-60°	167.6	8.1
60°-70°	112.3	5.4
70°-80°	60.5	2.9
80°-90°	17.0	0.8
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°	1035.7	50.1
0°-40°	1455.7	70.5
0°-60°	1875.5	90.8
0°-90°	2065.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2065.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1541	
5°	1516	142
15°	1359	381
25°	1128	512
35°	667	420
45°	319	252
55°	185	168
65°	114	112
75°	57	60
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1541.1
2.5°	1529.7
5°	1515.5
7.5°	1484.1
10°	1447.1
12.5°	1401.5
15°	1358.8
17.5°	1307.5
20°	1256.2
22.5°	1199.3
25°	1128.1
27.5°	1042.6
30°	928.7
32.5°	800.5
35°	666.6
37.5°	552.6
40°	455.8
42.5°	378.9
45°	319.0
47.5°	270.6
50°	236.4
52.5°	207.9
55°	185.2
57.5°	165.2
60°	148.1
62.5°	128.2
65°	113.9
67.5°	96.9
70°	82.6
72.5°	68.4
75°	57.0
77.5°	45.6
80°	34.2
82.5°	25.6
85°	14.2
87.5°	5.7
90°	0.0



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— 0°-180°







(END OF REPORT)