

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: P204646

Luminaire Tested: **LD6B70D010TE EU6B60709027 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204646
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: LD6B70D010TE EU6B60709027 6LB5MW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6323.1 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

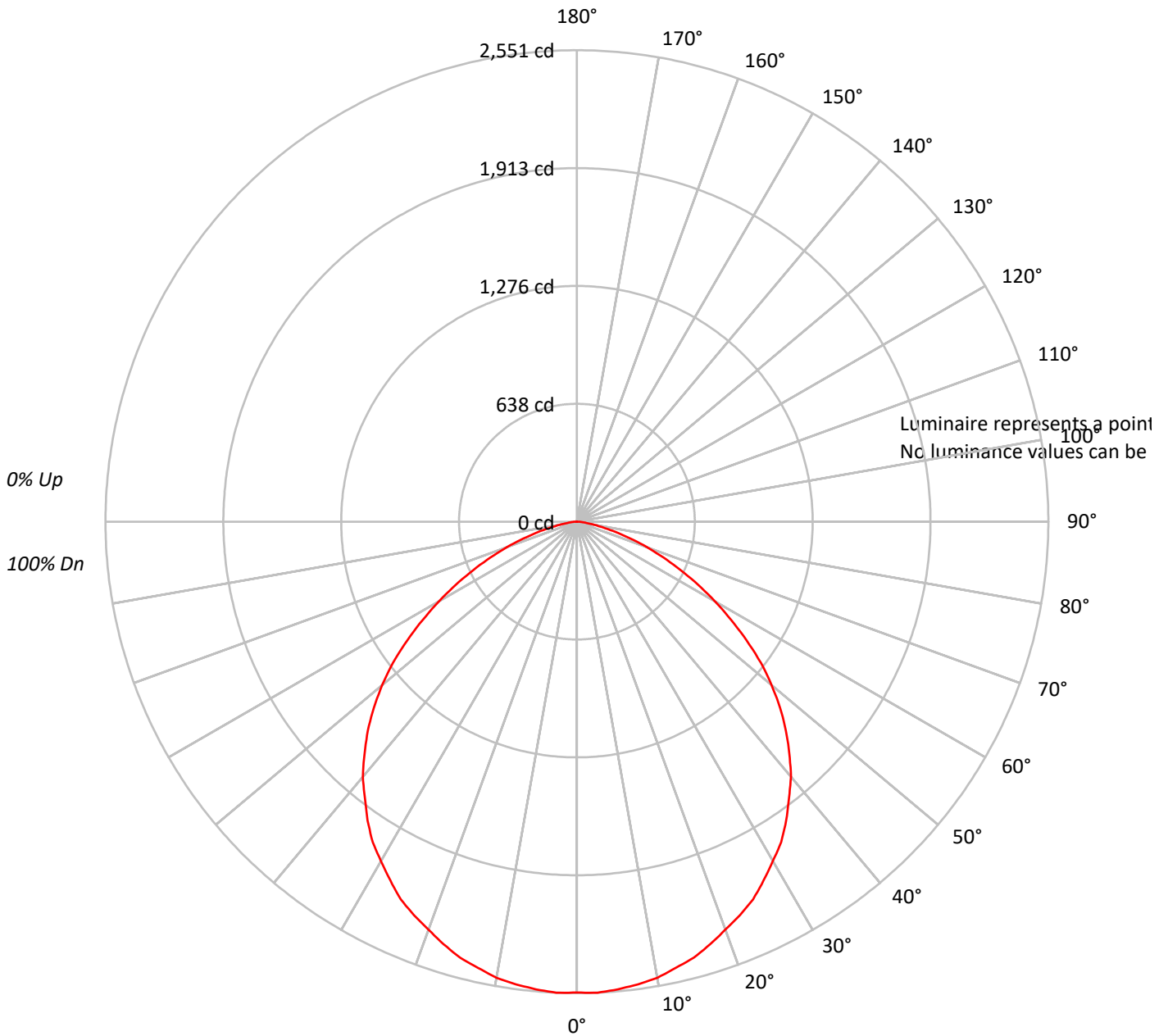
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74			
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63			
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47			
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.4	3.8
10°-20°	688.1	10.9
20°-30°	1036.3	16.4
30°-40°	1233.0	19.5
40°-50°	1230.8	19.5
50°-60°	1001.0	15.8
60°-70°	615.8	9.7
70°-80°	238.6	3.8
80°-90°	38.2	0.6
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°	1965.7	31.1
0°-40°	3198.8	50.6
0°-60°	5430.5	85.9
0°-90°	6323.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6323.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2548	
5°	2540	241
15°	2443	688
25°	2255	1036
35°	1974	1233
45°	1600	1231
55°	1120	1001
65°	618	616
75°	217	239
85°	30	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2547.6
2.5°	2551.3
5°	2540.1
7.5°	2525.1
10°	2506.4
12.5°	2472.6
15°	2442.7
17.5°	2397.7
20°	2349.0
22.5°	2304.1
25°	2255.3
27.5°	2187.9
30°	2120.5
32.5°	2056.8
35°	1974.4
37.5°	1884.5
40°	1802.0
42.5°	1700.9
45°	1599.7
47.5°	1491.1
50°	1374.9
52.5°	1255.1
55°	1120.2
57.5°	989.1
60°	861.7
62.5°	738.0
65°	618.2
67.5°	505.8
70°	400.9
72.5°	303.5
75°	217.3
77.5°	142.4
80°	86.2
82.5°	52.4
85°	30.0
87.5°	15.0
90°	0.0



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— 0°-180°







(END OF REPORT)