

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: P203207

Luminaire Tested: **LD6B70D010TE EU6B60709050 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203207
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 EU6B60709050 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 5838.5 lumens
Efficiency: N/A
Efficacy: 73.5 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

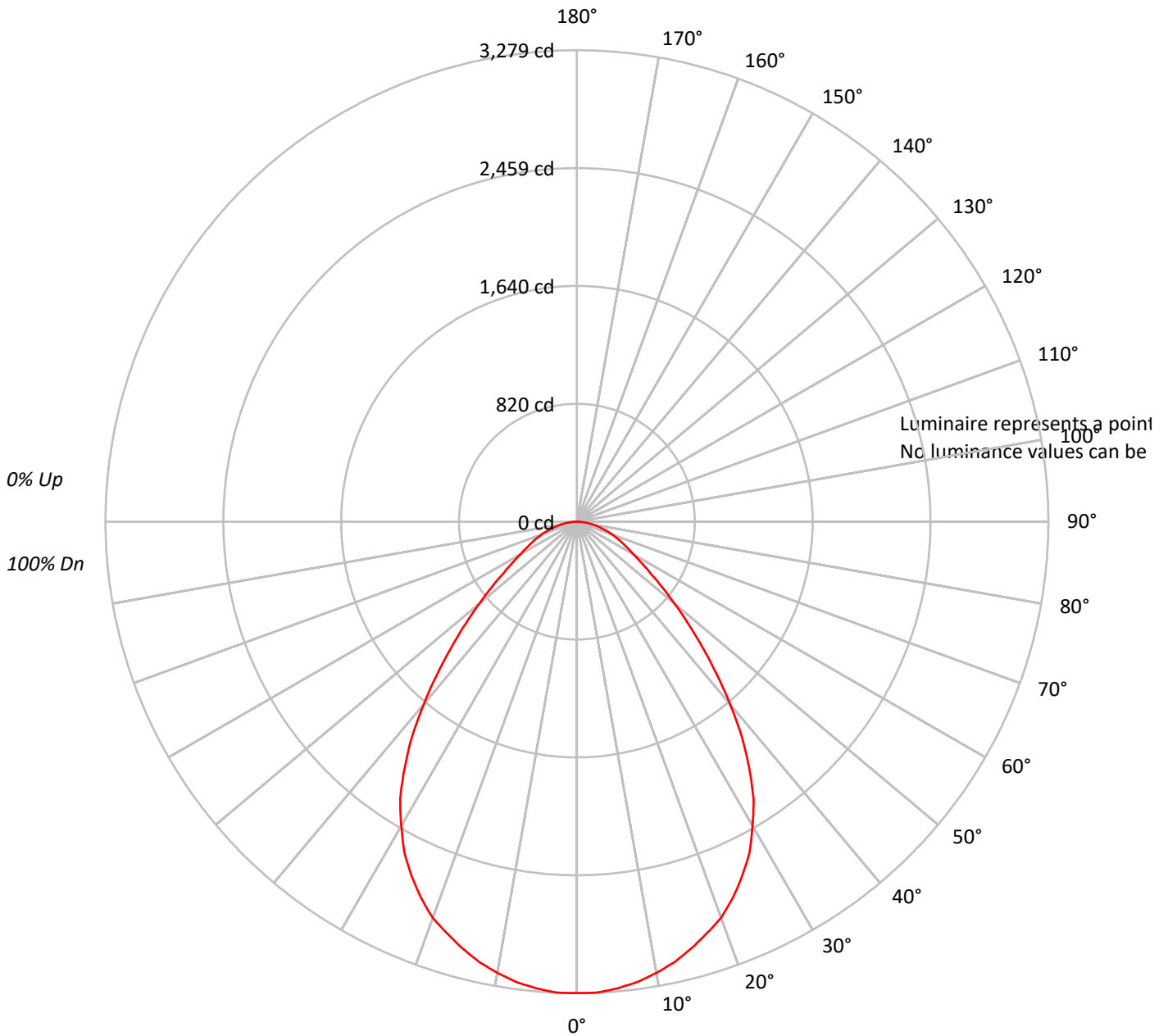
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203207

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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.8	5.3
10°-20°	865.9	14.8
20°-30°	1247.7	21.4
30°-40°	1295.4	22.2
40°-50°	957.7	16.4
50°-60°	572.1	9.8
60°-70°	347.6	6.0
70°-80°	190.4	3.3
80°-90°	53.0	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°	2422.3	41.5
0°-40°	3717.7	63.7
0°-60°	5247.5	89.9
0°-90°	5838.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5838.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3279	
5°	3257	309
15°	3073	866
25°	2719	1248
35°	2089	1295
45°	1232	958
55°	623	572
65°	347	348
75°	177	190
85°	42	53
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3278.7
2.5°	3278.7
5°	3257.4
7.5°	3229.1
10°	3186.6
12.5°	3137.1
15°	3073.3
17.5°	3002.5
20°	2931.7
22.5°	2832.6
25°	2719.3
27.5°	2598.9
30°	2443.1
32.5°	2287.3
35°	2089.0
37.5°	1883.7
40°	1657.0
42.5°	1437.5
45°	1232.2
47.5°	1048.0
50°	885.2
52.5°	743.5
55°	623.2
57.5°	531.1
60°	453.2
62.5°	396.6
65°	347.0
67.5°	304.5
70°	262.0
72.5°	219.5
75°	177.0
77.5°	141.6
80°	106.2
82.5°	77.9
85°	42.5
87.5°	21.2
90°	0.0



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— 0°-180°







(END OF REPORT)