

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: P203606

Luminaire Tested: **LD6B60D010TE EU6B60709050 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203606
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: LD6B60D010TE EU6B60709050 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 4174.1 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

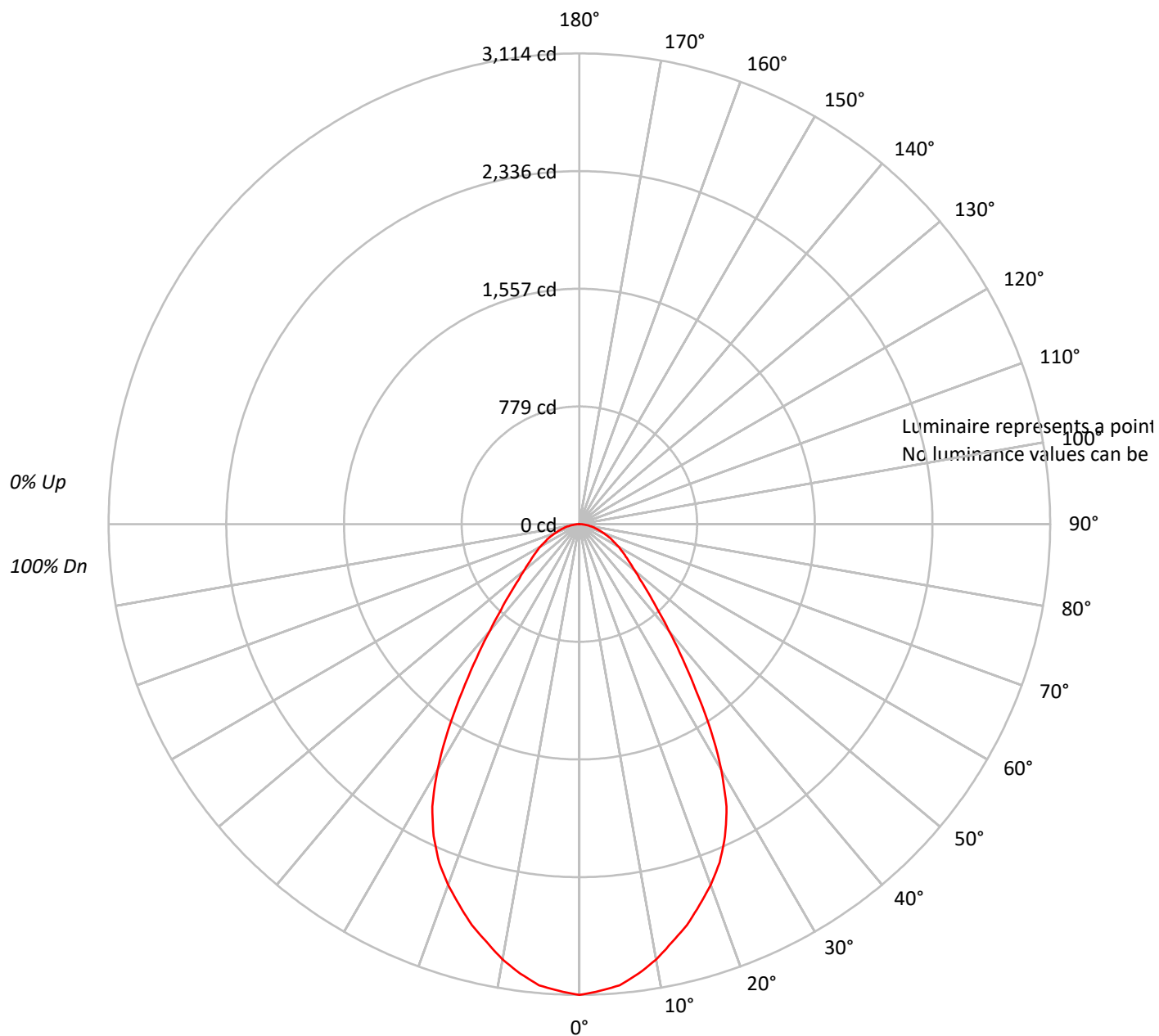
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203606

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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	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°	287.7	6.9
10°-20°	770.6	18.5
20°-30°	1034.7	24.8
30°-40°	848.8	20.3
40°-50°	509.7	12.2
50°-60°	338.7	8.1
60°-70°	227.1	5.4
70°-80°	122.2	2.9
80°-90°	34.4	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°	2093.1	50.1
0°-40°	2941.9	70.5
0°-60°	3790.3	90.8
0°-90°	4174.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4174.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3114	
5°	3063	288
15°	2746	771
25°	2280	1035
35°	1347	849
45°	645	510
55°	374	339
65°	230	227
75°	115	122
85°	29	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3114.5
2.5°	3091.5
5°	3062.7
7.5°	2999.4
10°	2924.5
12.5°	2832.4
15°	2746.1
17.5°	2642.4
20°	2538.8
22.5°	2423.7
25°	2279.7
27.5°	2107.0
30°	1876.8
32.5°	1617.7
35°	1347.1
37.5°	1116.8
40°	921.1
42.5°	765.7
45°	644.8
47.5°	546.9
50°	477.8
52.5°	420.3
55°	374.2
57.5°	333.9
60°	299.4
62.5°	259.1
65°	230.3
67.5°	195.7
70°	167.0
72.5°	138.2
75°	115.1
77.5°	92.1
80°	69.1
82.5°	51.8
85°	28.8
87.5°	11.5
90°	0.0



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— 0°-180°







(END OF REPORT)