

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: P203402

Luminaire Tested: **LD6B60D010TE EU6B60709730 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203402
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 EU6B60709730 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3519.2 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

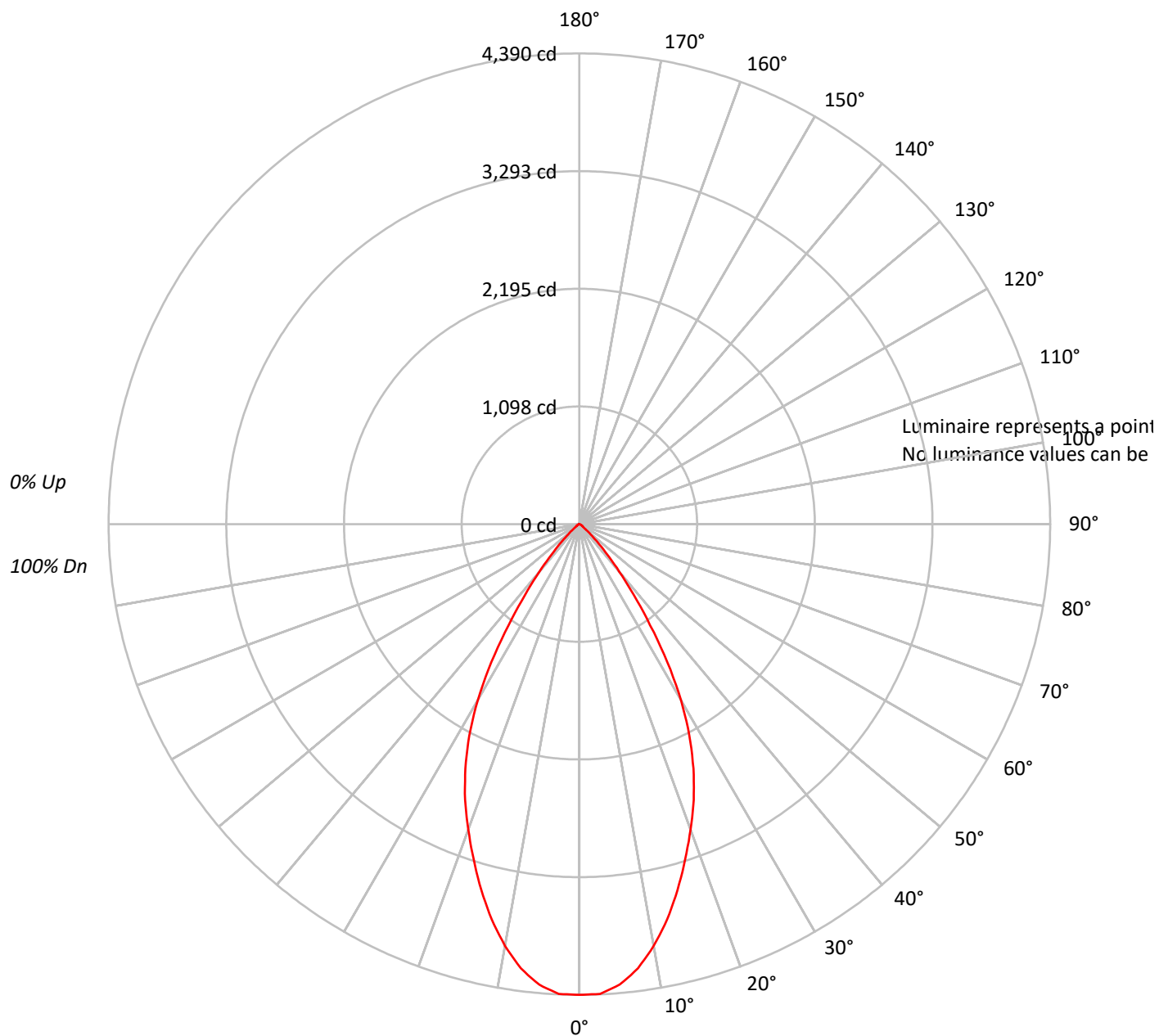
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	106	104	105	103	101		101	100	98		97
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		88
4	97	90	85	80	96	89	84	80	87	82	79		85	81	78		83
5	93	84	79	74	91	83	78	74	82	77	73		80	76	73		78
6	88	79	73	69	87	78	73	69	77	72	68		76	71	68		74
7	84	75	69	64	82	74	68	64	73	68	64		71	67	64		70
8	80	70	64	60	78	70	64	60	69	64	60		68	63	60		67
9	76	66	61	57	75	66	60	57	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.3	11.4
10°-20°	985.3	28.0
20°-30°	1140.0	32.4
30°-40°	728.7	20.7
40°-50°	206.6	5.9
50°-60°	36.9	1.0
60°-70°	15.1	0.4
70°-80°	5.2	0.1
80°-90°	0.0	0.0
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°	2526.7	71.8
0°-40°	3255.4	92.5
0°-60°	3498.9	99.4
0°-90°	3519.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3519.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4390	
5°	4312	401
15°	3534	985
25°	2516	1140
35°	1150	729
45°	240	207
55°	34	37
65°	15	15
75°	5	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4390.2
2.5°	4385.3
5°	4311.9
7.5°	4179.8
10°	3993.8
12.5°	3778.4
15°	3533.7
17.5°	3279.2
20°	3029.6
22.5°	2784.9
25°	2515.7
27.5°	2222.0
30°	1894.1
32.5°	1527.0
35°	1150.2
37.5°	832.0
40°	577.5
42.5°	381.8
45°	239.8
47.5°	141.9
50°	83.2
52.5°	48.9
55°	34.3
57.5°	29.4
60°	24.5
62.5°	19.6
65°	14.7
67.5°	9.8
70°	9.8
72.5°	4.9
75°	4.9
77.5°	4.9
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)