

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: P203147

Luminaire Tested: **LD6B30D010 EU6B30508035 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203147
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: LD6B30D010 EU6B30508035 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 2862.2 lumens
Efficiency: N/A
Efficacy: 102.2 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

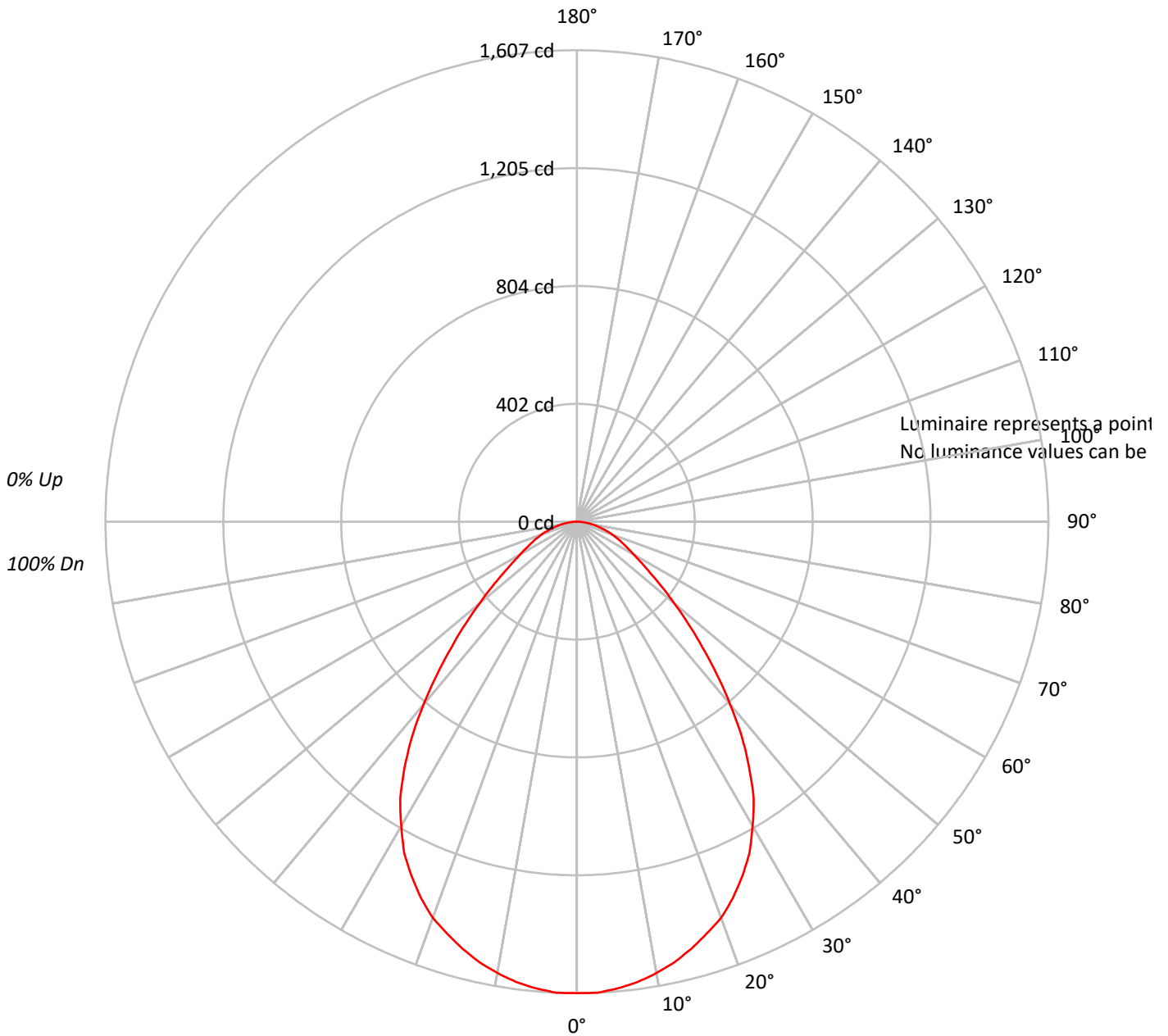
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	100	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77	77
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60	60	60	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54	54	54	54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	44	44	44
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40	40	40	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37	37	37	37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34	34	34	34

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	5.3
10°-20°	424.5	14.8
20°-30°	611.6	21.4
30°-40°	635.0	22.2
40°-50°	469.5	16.4
50°-60°	280.5	9.8
60°-70°	170.4	6.0
70°-80°	93.3	3.3
80°-90°	26.0	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°	1187.5	41.5
0°-40°	1822.6	63.7
0°-60°	2572.5	89.9
0°-90°	2862.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2862.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1607	
5°	1597	151
15°	1507	425
25°	1333	612
35°	1024	635
45°	604	470
55°	306	280
65°	170	170
75°	87	93
85°	21	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1607.3
2.5°	1607.3
5°	1596.9
7.5°	1583.0
10°	1562.2
12.5°	1537.9
15°	1506.7
17.5°	1472.0
20°	1437.2
22.5°	1388.6
25°	1333.1
27.5°	1274.1
30°	1197.7
32.5°	1121.3
35°	1024.1
37.5°	923.4
40°	812.4
42.5°	704.7
45°	604.1
47.5°	513.8
50°	433.9
52.5°	364.5
55°	305.5
57.5°	260.4
60°	222.2
62.5°	194.4
65°	170.1
67.5°	149.3
70°	128.4
72.5°	107.6
75°	86.8
77.5°	69.4
80°	52.1
82.5°	38.2
85°	20.8
87.5°	10.4
90°	0.0



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— 0°-180°







(END OF REPORT)