

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: P203558

Luminaire Tested: **LD6B30D010 EU6B30508030 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203558
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 EU6B30508030 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 2369.9 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

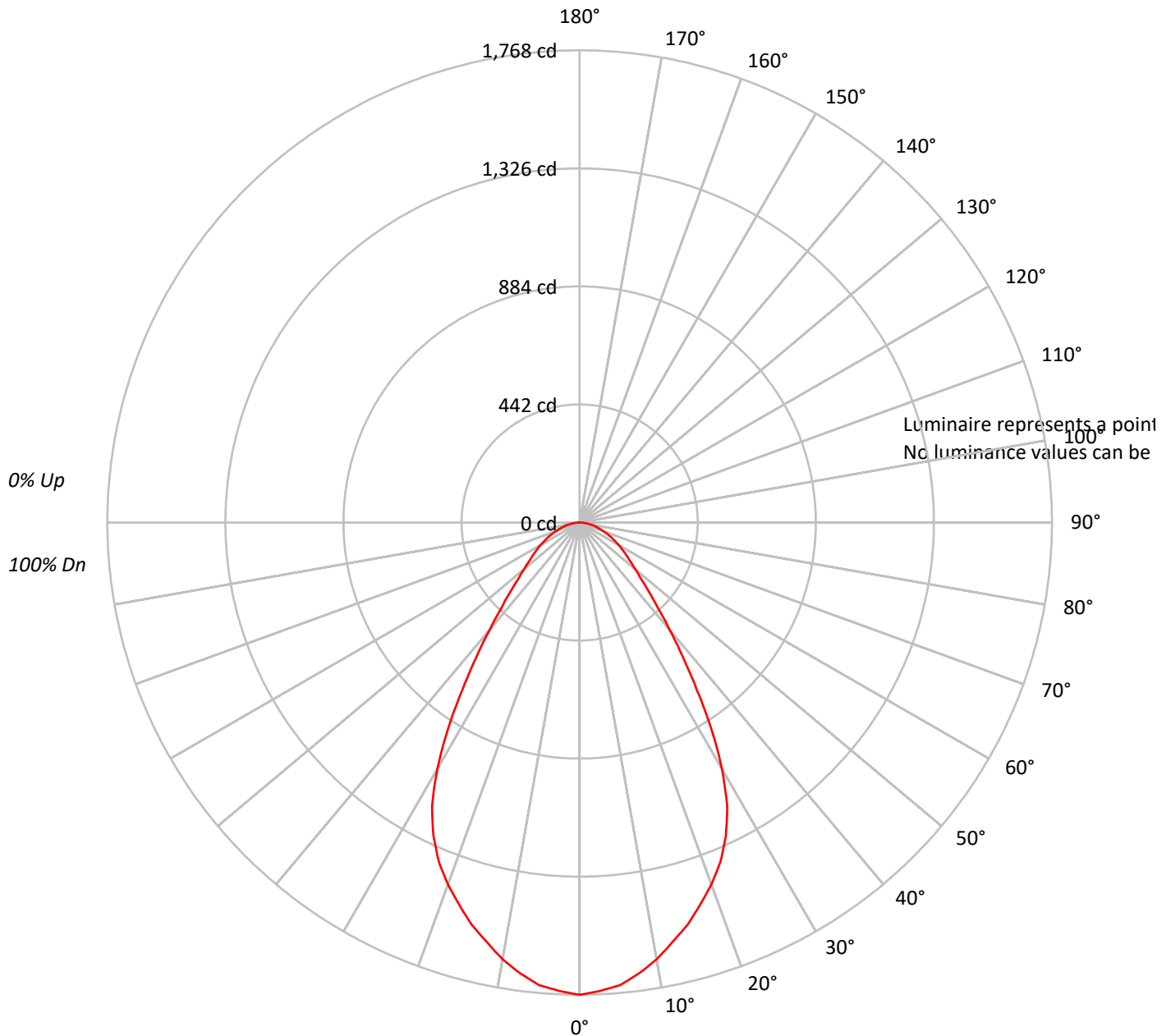
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101		109	105	103	100		101	99	97			98	96	94			94
2	104	97	92	88		101	96	91	87		92	88	85			89	86	83			86
3	97	88	82	77		95	87	81	76		84	79	75			82	77	74			79
4	90	81	74	68		88	80	73	68		77	72	67			75	70	66			73
5	85	74	67	61		83	73	66	61		71	65	61			69	64	60			68
6	79	68	61	56		78	68	61	56		66	60	55			64	59	55			63
7	75	63	56	51		73	63	56	51		61	55	50			60	54	50			59
8	70	59	52	47		69	58	51	47		57	51	46			56	50	46			55
9	66	55	48	43		65	54	48	43		53	47	43			52	47	43			51
10	63	51	45	40		62	51	44	40		50	44	40			49	44	40			48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	6.9
10°-20°	437.5	18.5
20°-30°	587.5	24.8
30°-40°	481.9	20.3
40°-50°	289.4	12.2
50°-60°	192.3	8.1
60°-70°	128.9	5.4
70°-80°	69.4	2.9
80°-90°	19.5	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°	1188.4	50.1
0°-40°	1670.3	70.5
0°-60°	2152.1	90.8
0°-90°	2369.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2369.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1768	
5°	1739	163
15°	1559	438
25°	1294	588
35°	765	482
45°	366	289
55°	212	192
65°	131	129
75°	65	69
85°	16	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1768.3
2.5°	1755.3
5°	1738.9
7.5°	1703.0
10°	1660.5
12.5°	1608.2
15°	1559.1
17.5°	1500.3
20°	1441.5
22.5°	1376.1
25°	1294.4
27.5°	1196.3
30°	1065.6
32.5°	918.5
35°	764.9
37.5°	634.1
40°	523.0
42.5°	434.7
45°	366.1
47.5°	310.5
50°	271.3
52.5°	238.6
55°	212.5
57.5°	189.6
60°	170.0
62.5°	147.1
65°	130.7
67.5°	111.1
70°	94.8
72.5°	78.4
75°	65.4
77.5°	52.3
80°	39.2
82.5°	29.4
85°	16.3
87.5°	6.5
90°	0.0



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— 0°-180°







(END OF REPORT)