

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: P203149

Luminaire Tested: **LD6B30D010 EU6B30508050 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203149
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 EU6B30508050 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: 2891.5 lumens
Efficiency: N/A
Efficacy: 103.3 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

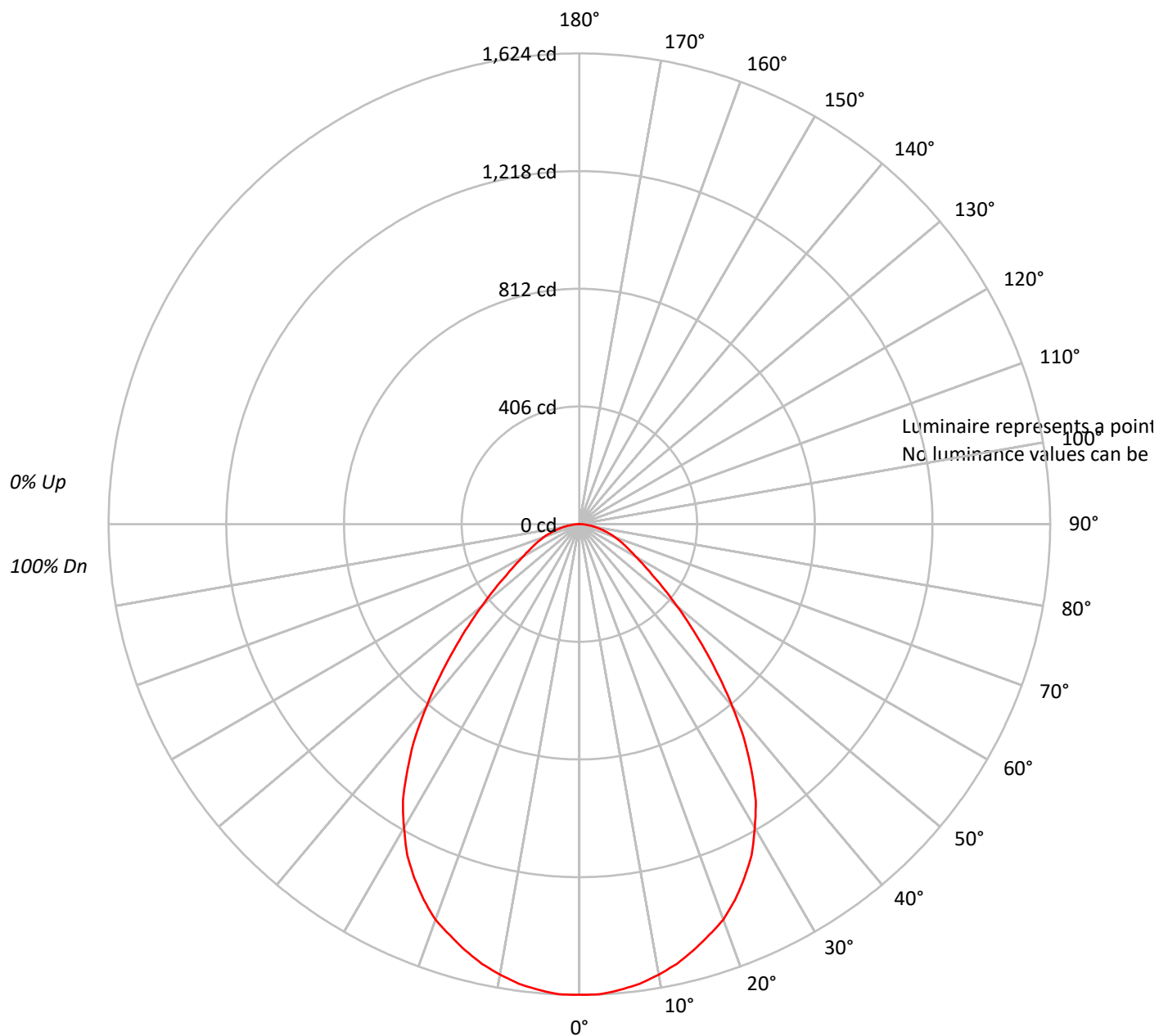
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	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			100
1	111	107	104	100		108	105	102	99		101	98	96			97	95	93			88
2	103	96	90	86		100	94	89	85		91	86	83			88	84	81			77
3	95	86	80	74		93	85	79	74		82	77	72			80	75	71			68
4	89	78	71	65		86	77	70	65		75	69	64			72	67	63			60
5	82	71	64	58		80	70	63	58		68	62	57			66	61	56			54
6	77	65	57	52		75	64	57	52		63	56	51			61	55	51			49
7	72	60	52	47		70	59	52	47		58	51	46			56	50	46			44
8	67	55	48	42		66	55	47	42		53	47	42			52	46	42			40
9	63	51	44	39		62	51	44	39		50	43	39			49	43	38			37
10	60	48	40	36		58	47	40	36		46	40	36			45	40	35			34

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.9	5.3
10°-20°	428.9	14.8
20°-30°	617.9	21.4
30°-40°	641.5	22.2
40°-50°	474.3	16.4
50°-60°	283.3	9.8
60°-70°	172.2	6.0
70°-80°	94.3	3.3
80°-90°	26.2	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°	1199.7	41.5
0°-40°	1841.2	63.7
0°-60°	2598.9	89.9
0°-90°	2891.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2891.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1624	
5°	1613	153
15°	1522	429
25°	1347	618
35°	1035	642
45°	610	474
55°	309	283
65°	172	172
75°	88	94
85°	21	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1623.8
2.5°	1623.8
5°	1613.3
7.5°	1599.3
10°	1578.2
12.5°	1553.7
15°	1522.1
17.5°	1487.0
20°	1452.0
22.5°	1402.9
25°	1346.7
27.5°	1287.1
30°	1210.0
32.5°	1132.8
35°	1034.6
37.5°	932.9
40°	820.7
42.5°	711.9
45°	610.2
47.5°	519.1
50°	438.4
52.5°	368.2
55°	308.6
57.5°	263.0
60°	224.5
62.5°	196.4
65°	171.8
67.5°	150.8
70°	129.8
72.5°	108.7
75°	87.7
77.5°	70.1
80°	52.6
82.5°	38.6
85°	21.0
87.5°	10.5
90°	0.0



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— 0°-180°







(END OF REPORT)