

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: P204076

Luminaire Tested: **LD6B30D010 EU6B30508050 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204076
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 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 2208.1 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

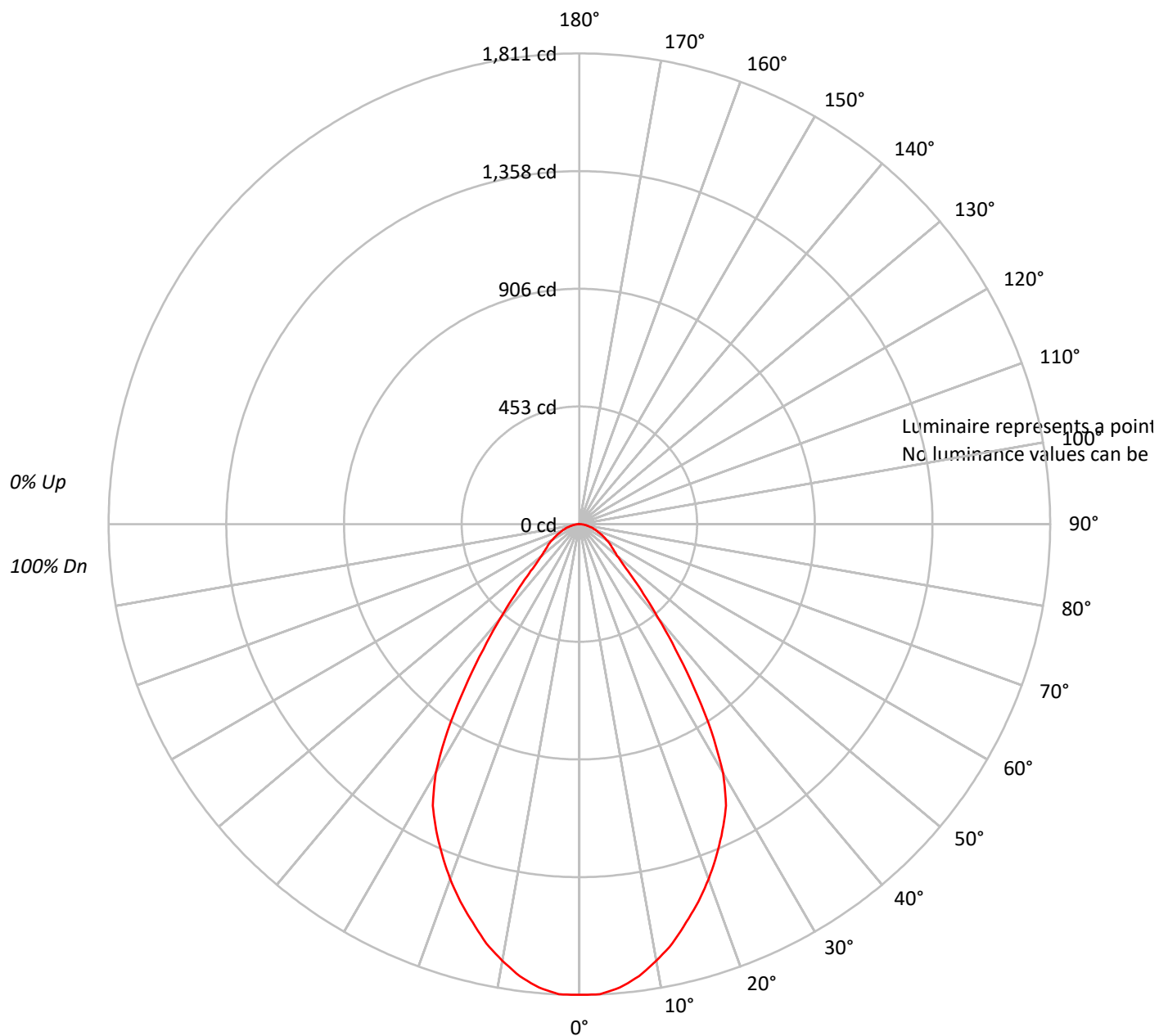
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	103	109	106	103	101		102	100	98		98	97	95		95	93	92
2	105	99	94	90	102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79	96	89	83	79		86	81	77		84	80	76		81	78	75
4	92	83	76	71	90	82	76	71		80	74	70		77	73	69		75	71	68
5	87	77	70	64	85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	59	80	70	63	59		68	63	58		67	62	58		66	61	57
7	77	66	59	54	75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	55	50	71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46	67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	47	43	64	54	47	43		53	47	43		52	46	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	7.6
10°-20°	445.7	20.2
20°-30°	595.1	26.9
30°-40°	480.1	21.7
40°-50°	230.1	10.4
50°-60°	136.4	6.2
60°-70°	90.7	4.1
70°-80°	48.6	2.2
80°-90°	13.4	0.6
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°	1209.0	54.7
0°-40°	1689.0	76.5
0°-60°	2055.5	93.1
0°-90°	2208.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2208.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1811	
5°	1790	168
15°	1586	446
25°	1302	595
35°	769	480
45°	284	230
55°	151	136
65°	91	91
75°	46	49
85°	10	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1810.9
2.5°	1810.9
5°	1789.8
7.5°	1754.7
10°	1705.6
12.5°	1653.0
15°	1586.3
17.5°	1523.1
20°	1452.9
22.5°	1379.2
25°	1302.0
27.5°	1221.3
30°	1105.5
32.5°	944.0
35°	768.6
37.5°	607.1
40°	470.3
42.5°	365.0
45°	284.3
47.5°	224.6
50°	189.5
52.5°	168.5
55°	150.9
57.5°	136.9
60°	119.3
62.5°	105.3
65°	91.2
67.5°	77.2
70°	66.7
72.5°	56.2
75°	45.6
77.5°	35.1
80°	28.1
82.5°	21.1
85°	10.5
87.5°	3.5
90°	0.0



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— 0°-180°







(END OF REPORT)