

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: P202533

Luminaire Tested: **LD6B30D010 EU6B30509027 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202533
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 EU6B30509027 6LBSWMH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WARM HAZE 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: 2550.8 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

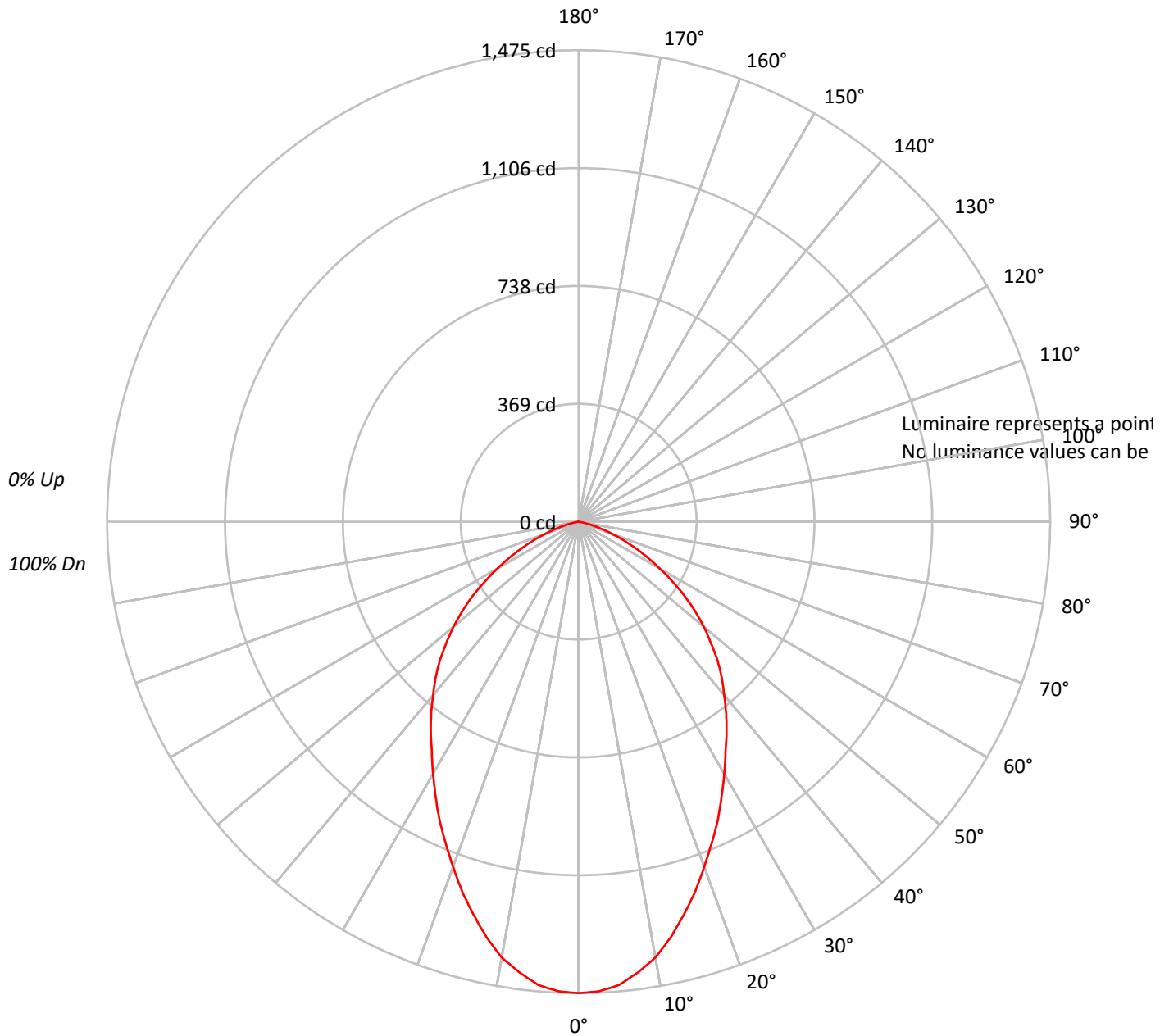
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	101	108	105	102	99		101	98	96			97	95	93			94
2	103	96	90	85	100	94	89	84		91	86	82			87	84	81			84
3	95	86	79	73	92	84	78	73		81	76	71			79	74	70			76
4	88	77	70	64	86	76	69	63		74	67	62			71	66	62			69
5	81	70	62	56	79	69	61	56		67	60	55			65	59	55			63
6	76	64	56	50	74	63	55	50		61	54	49			59	53	49			58
7	70	58	50	45	69	57	50	45		56	49	44			55	48	44			53
8	66	54	46	40	64	53	45	40		52	45	40			50	44	40			49
9	62	49	42	37	61	49	42	37		48	41	37			47	41	36			46
10	58	46	39	34	57	45	38	34		45	38	34			44	38	33			43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	5.3
10°-20°	356.7	14.0
20°-30°	473.0	18.5
30°-40°	504.5	19.8
40°-50°	471.7	18.5
50°-60°	359.6	14.1
60°-70°	195.6	7.7
70°-80°	52.5	2.1
80°-90°	0.6	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°	966.3	37.9
0°-40°	1470.8	57.7
0°-60°	2302.1	90.2
0°-90°	2550.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2550.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1475	
5°	1455	136
15°	1272	357
25°	1030	473
35°	806	505
45°	614	472
55°	405	360
65°	195	196
75°	45	52
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1475.0
2.5°	1470.4
5°	1454.7
7.5°	1421.9
10°	1384.4
12.5°	1331.3
15°	1271.9
17.5°	1212.5
20°	1148.5
22.5°	1087.5
25°	1029.7
27.5°	968.8
30°	911.0
32.5°	854.7
35°	806.3
37.5°	757.8
40°	707.8
42.5°	662.5
45°	614.1
47.5°	561.0
50°	511.0
52.5°	457.8
55°	404.7
57.5°	346.9
60°	293.8
62.5°	243.8
65°	195.3
67.5°	151.6
70°	110.9
72.5°	76.6
75°	45.3
77.5°	20.3
80°	4.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)