

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: P202842

Luminaire Tested: **LD6B30D010 EU6B30509027 6LBWWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202842
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 6LBWWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH WHEAT 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: 2219.2 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

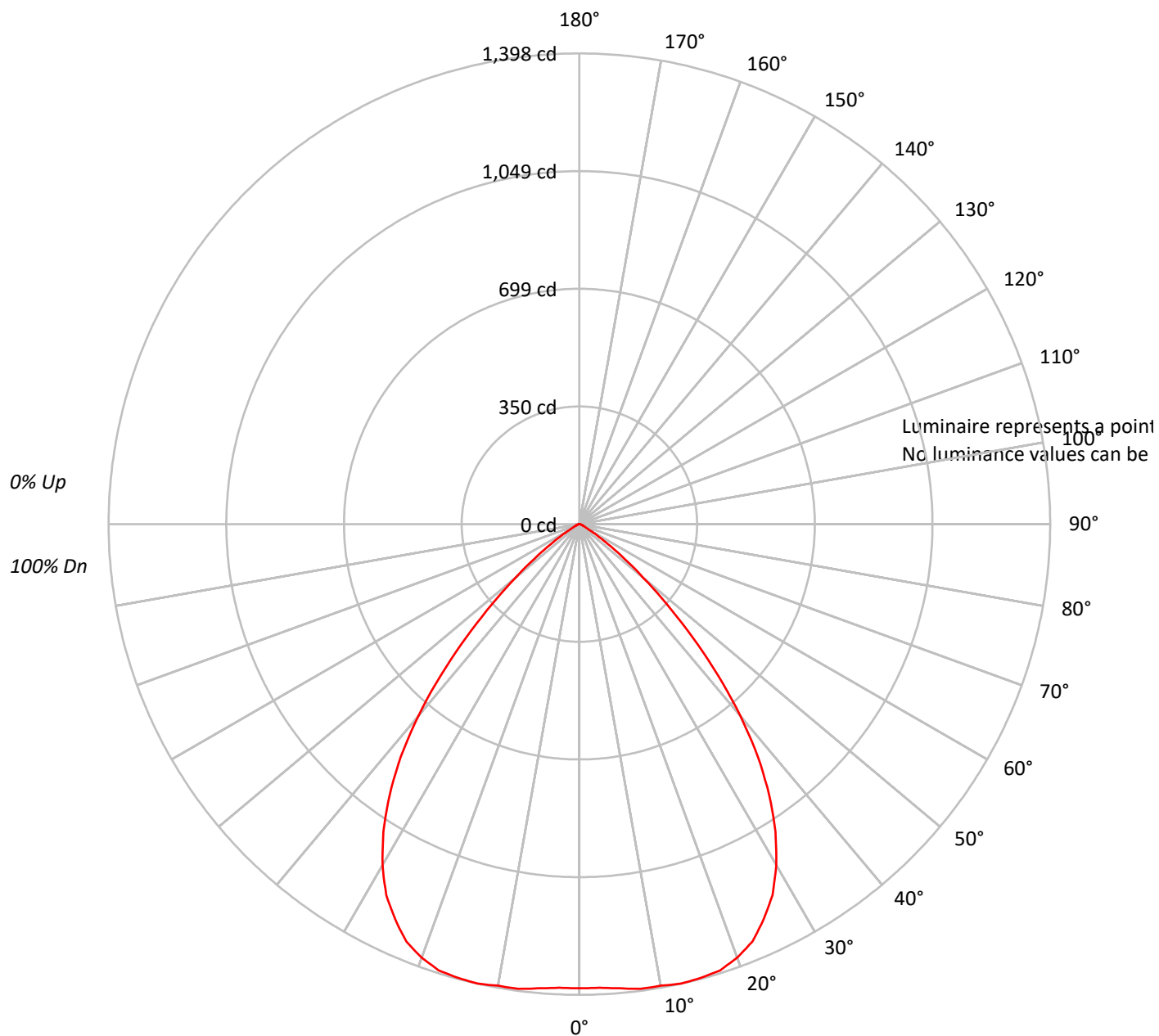
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





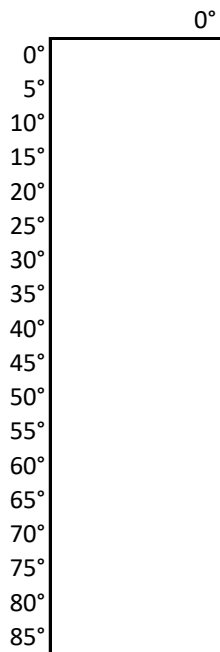
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		77
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71
6	82	71	64	59	80	71	64	59	69	63	59		67	62	58		66
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		61
8	72	61	54	49	71	61	54	49	59	53	49		58	53	49		57
9	68	57	50	45	67	56	50	45	55	49	45		54	49	45		53
10	64	53	46	42	63	53	46	42	52	46	42		51	45	42		50

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	6.0
10°-20°	394.0	17.8
20°-30°	593.1	26.7
30°-40°	606.4	27.3
40°-50°	368.3	16.6
50°-60°	103.7	4.7
60°-70°	15.8	0.7
70°-80°	5.2	0.2
80°-90°	0.4	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°	1119.5	50.4
0°-40°	1725.9	77.8
0°-60°	2197.9	99.0
0°-90°	2219.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2219.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1378	
5°	1384	132
15°	1395	394
25°	1295	593
35°	983	606
45°	473	368
55°	103	104
65°	14	16
75°	6	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1378.3
2.5°	1378.3
5°	1383.9
7.5°	1392.2
10°	1392.2
12.5°	1397.8
15°	1395.0
17.5°	1389.5
20°	1370.0
22.5°	1342.1
25°	1294.8
27.5°	1241.9
30°	1169.5
32.5°	1083.2
35°	982.9
37.5°	871.5
40°	743.5
42.5°	609.8
45°	473.4
47.5°	350.8
50°	247.8
52.5°	167.1
55°	103.0
57.5°	61.3
60°	30.6
62.5°	19.5
65°	13.9
67.5°	11.1
70°	8.4
72.5°	5.6
75°	5.6
77.5°	2.8
80°	2.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)