

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: P204833

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204833
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: LD6B50D010TE EU6B30509730 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4382.6 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

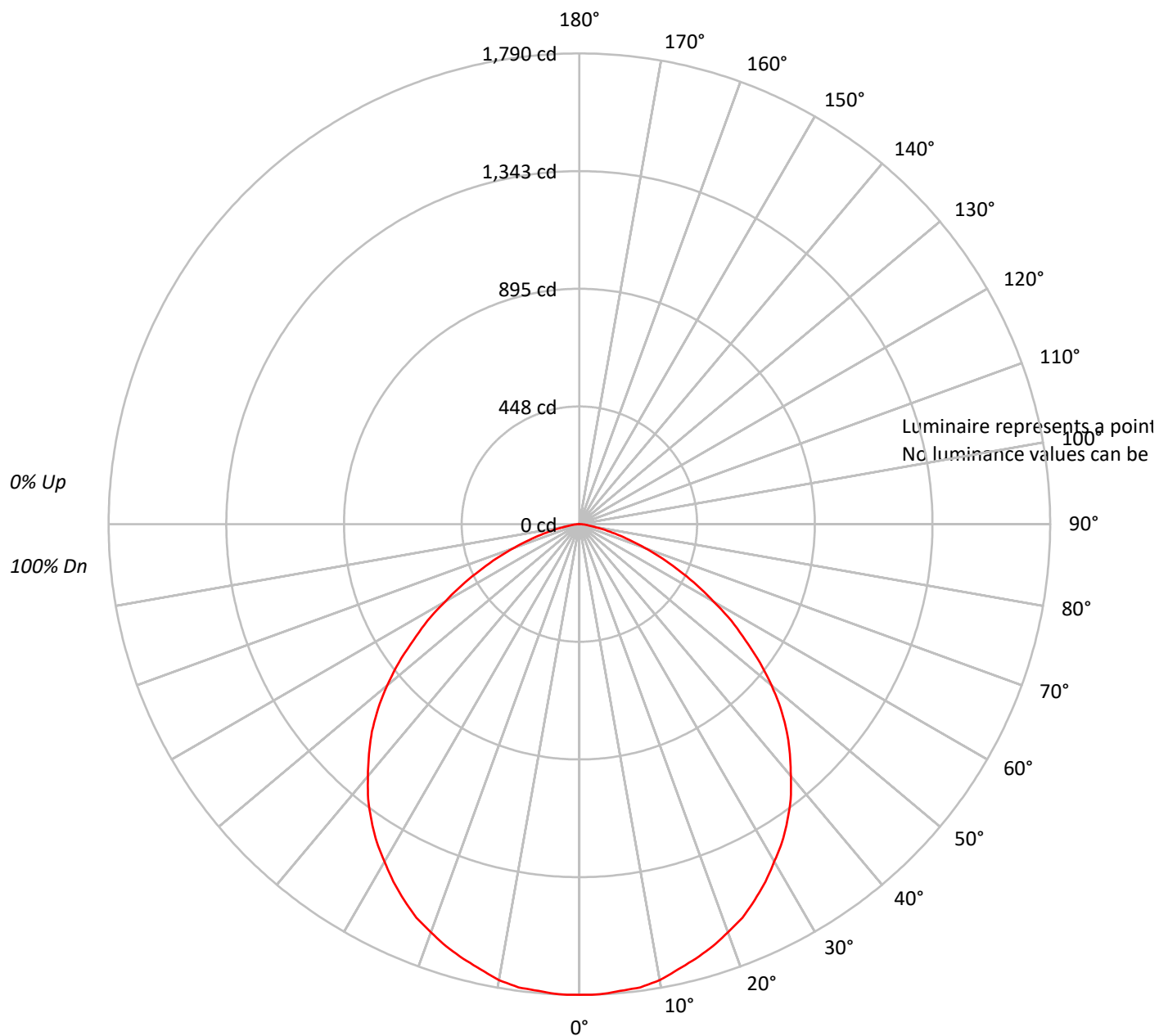
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92
2	101	94	87	82	99	92	86	81	88	84	79		85	81	78		82
3	93	83	75	70	90	81	74	69	79	73	68		76	71	67		73
4	85	74	66	60	83	73	65	59	70	64	58		68	62	58		66
5	79	66	58	52	77	65	57	51	63	56	51		61	55	50		60
6	73	60	52	45	71	59	51	45	57	50	45		56	49	44		54
7	68	55	46	40	66	54	46	40	52	45	40		51	44	40		50
8	63	50	42	36	61	49	41	36	48	41	36		47	40	36		46
9	59	46	38	33	57	45	38	32	44	37	32		43	37	32		42
10	55	42	35	30	54	42	34	30	41	34	29		40	34	29		39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.6	3.9
10°-20°	482.8	11.0
20°-30°	726.3	16.6
30°-40°	860.7	19.6
40°-50°	856.6	19.5
50°-60°	690.6	15.8
60°-70°	417.7	9.5
70°-80°	155.1	3.5
80°-90°	23.1	0.5
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°	1378.7	31.5
0°-40°	2239.5	51.1
0°-60°	3786.6	86.4
0°-90°	4382.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4382.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1790	
5°	1782	170
15°	1710	483
25°	1578	726
35°	1378	861
45°	1115	857
55°	770	691
65°	420	418
75°	141	155
85°	19	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1790.0
2.5°	1790.0
5°	1782.0
7.5°	1776.7
10°	1760.7
12.5°	1734.2
15°	1710.3
17.5°	1683.7
20°	1651.9
22.5°	1620.0
25°	1577.5
27.5°	1532.4
30°	1481.9
32.5°	1434.1
35°	1378.3
37.5°	1319.9
40°	1250.8
42.5°	1184.5
45°	1115.4
47.5°	1038.4
50°	953.4
52.5°	865.8
55°	770.2
57.5°	685.2
60°	589.6
62.5°	504.6
65°	419.6
67.5°	339.9
70°	265.6
72.5°	199.2
75°	140.8
77.5°	90.3
80°	53.1
82.5°	31.9
85°	18.6
87.5°	8.0
90°	0.0



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— 0°-180°







(END OF REPORT)