

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: P203594

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203594
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 EU6B30509727 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3061.9 lumens
Efficiency: N/A
Efficacy: 52.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

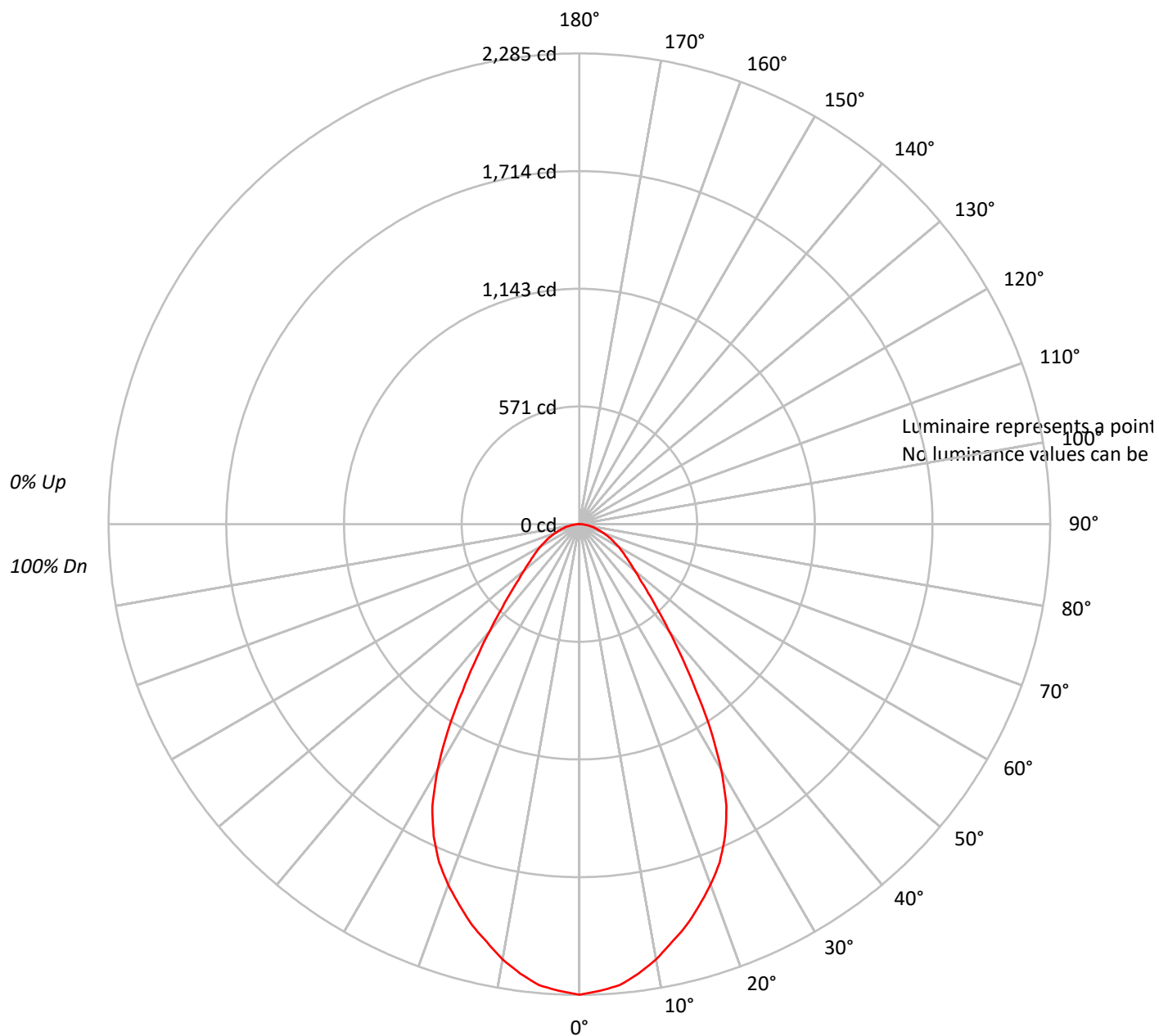
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97		98	96	94		94
2	104	97	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79
4	90	81	74	68	88	80	73	68	77	72	67		75	70	66		73
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68
6	79	68	61	56	78	68	61	56	66	60	55		64	59	55		63
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	63	51	45	40	62	51	44	40	50	44	40		49	44	40		48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	6.9
10°-20°	565.3	18.5
20°-30°	759.0	24.8
30°-40°	622.7	20.3
40°-50°	373.9	12.2
50°-60°	248.5	8.1
60°-70°	166.5	5.4
70°-80°	89.7	2.9
80°-90°	25.3	0.8
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°	1535.4	50.1
0°-40°	2158.0	70.5
0°-60°	2780.4	90.8
0°-90°	3061.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3061.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2285	
5°	2247	211
15°	2014	565
25°	1672	759
35°	988	623
45°	473	374
55°	274	248
65°	169	167
75°	84	90
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2284.6
2.5°	2267.7
5°	2246.6
7.5°	2200.2
10°	2145.3
12.5°	2077.7
15°	2014.4
17.5°	1938.3
20°	1862.3
22.5°	1777.9
25°	1672.3
27.5°	1545.6
30°	1376.7
32.5°	1186.7
35°	988.2
37.5°	819.3
40°	675.7
42.5°	561.7
45°	473.0
47.5°	401.2
50°	350.5
52.5°	308.3
55°	274.5
57.5°	244.9
60°	219.6
62.5°	190.0
65°	168.9
67.5°	143.6
70°	122.5
72.5°	101.4
75°	84.5
77.5°	67.6
80°	50.7
82.5°	38.0
85°	21.1
87.5°	8.4
90°	0.0



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— 0°-180°







(END OF REPORT)