

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: P203076

Luminaire Tested: **LD6B50D010TE EU6B30509035 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203076
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 EU6B30509035 6LBWB1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2604.6 lumens
Efficiency: N/A
Efficacy: 44.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

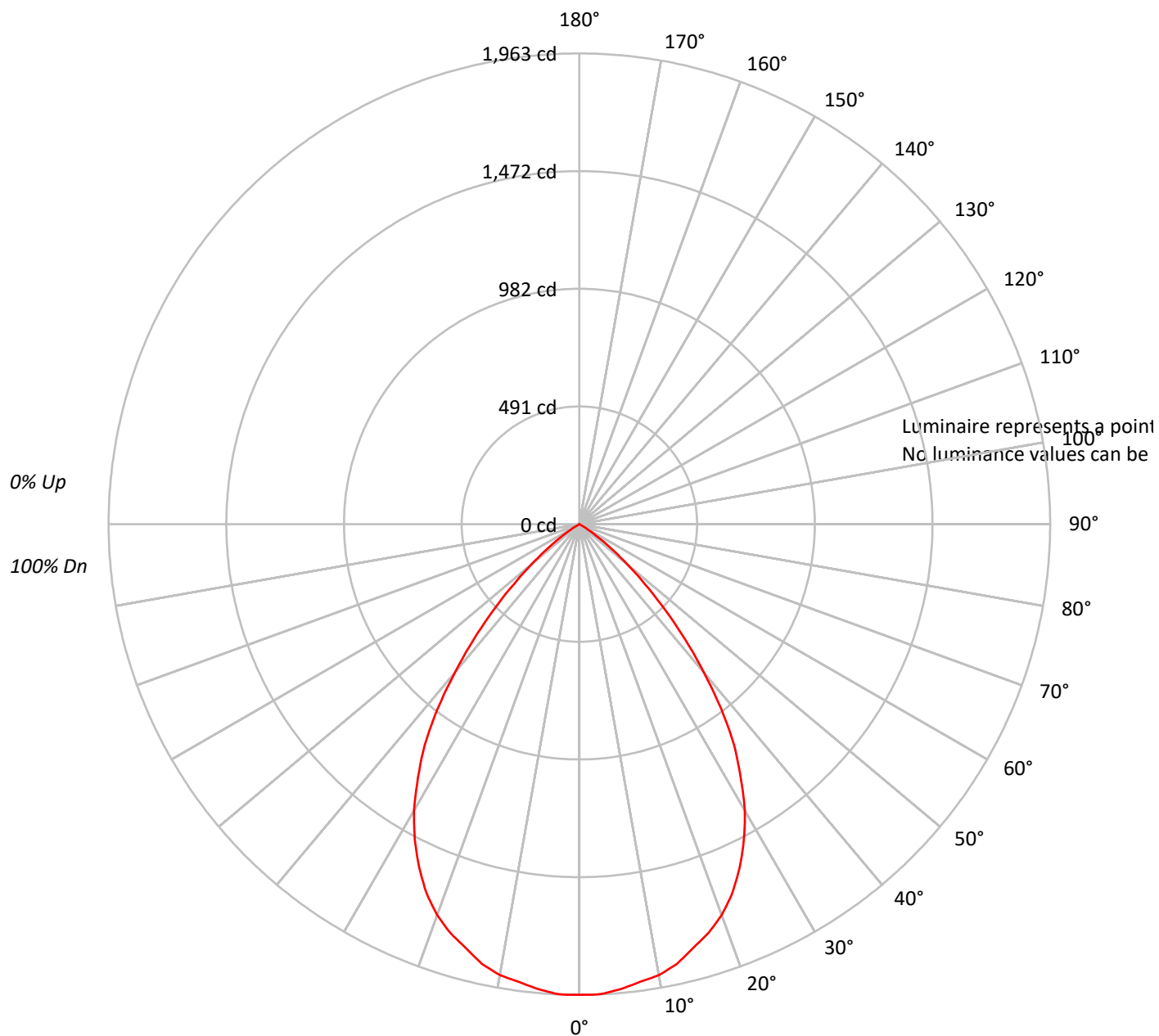
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	105	110	108	105	103	104	102	100		100	98	97		96
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84
4	94	86	79	75	92	85	79	74	82	77	73		80	76	73		78
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73
6	83	73	67	62	82	72	66	61	71	65	61		69	64	61		68
7	78	68	61	56	77	67	61	56	66	60	56		65	60	56		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	52	48	69	58	52	48	57	52	48		57	51	47		56
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.6	7.1
10°-20°	516.1	19.8
20°-30°	723.0	27.8
30°-40°	690.5	26.5
40°-50°	393.2	15.1
50°-60°	96.0	3.7
60°-70°	1.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1423.6	54.7
0°-40°	2114.1	81.2
0°-60°	2603.4	100.0
0°-90°	2604.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2604.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1963	
5°	1947	185
15°	1830	516
25°	1581	723
35°	1125	690
45°	504	393
55°	96	96
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1963.0
2.5°	1963.0
5°	1947.1
7.5°	1925.9
10°	1910.0
12.5°	1878.1
15°	1830.4
17.5°	1788.0
20°	1734.9
22.5°	1665.9
25°	1581.0
27.5°	1485.5
30°	1379.4
32.5°	1252.1
35°	1124.8
37.5°	970.9
40°	806.4
42.5°	652.6
45°	504.0
47.5°	371.4
50°	260.0
52.5°	164.5
55°	95.5
57.5°	42.4
60°	10.6
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)