

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: P203072

Luminaire Tested: **LD6B50D010TE EU6B30508050 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203072
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 EU6B30508050 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: 3112.8 lumens
Efficiency: N/A
Efficacy: 53.0 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

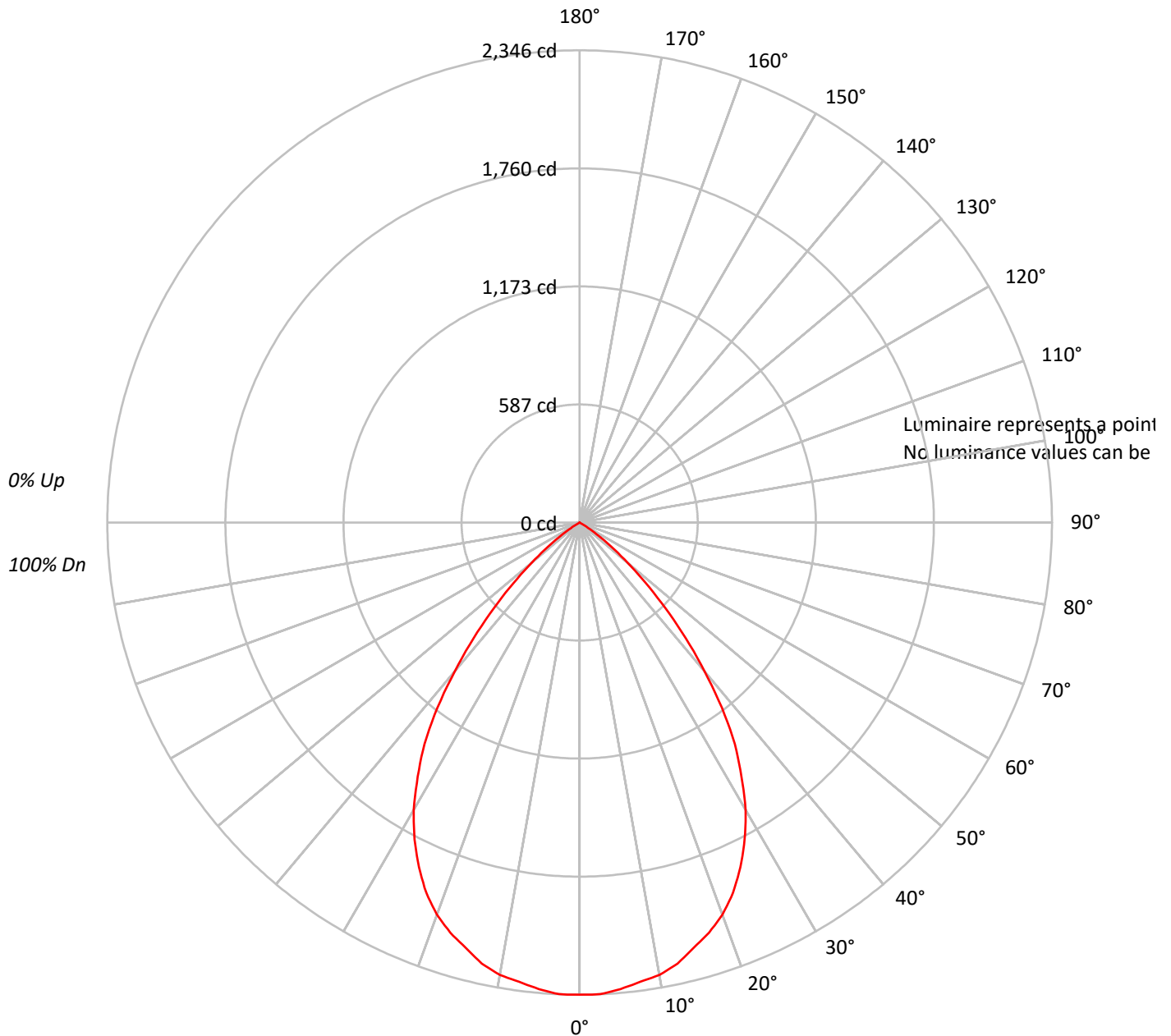
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203072

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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77			
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64			
6	83	73	67	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59			
7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46			
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	42			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.6	7.1
10°-20°	616.8	19.8
20°-30°	864.0	27.8
30°-40°	825.2	26.5
40°-50°	469.9	15.1
50°-60°	114.8	3.7
60°-70°	1.5	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°	1701.4	54.7
0°-40°	2526.5	81.2
0°-60°	3111.3	100.0
0°-90°	3112.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3112.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2346	
5°	2327	221
15°	2188	617
25°	1890	864
35°	1344	825
45°	602	470
55°	114	115
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2346.0
2.5°	2346.0
5°	2327.0
7.5°	2301.6
10°	2282.6
12.5°	2244.5
15°	2187.5
17.5°	2136.8
20°	2073.4
22.5°	1990.9
25°	1889.5
27.5°	1775.3
30°	1648.5
32.5°	1496.4
35°	1344.2
37.5°	1160.3
40°	963.8
42.5°	779.9
45°	602.4
47.5°	443.8
50°	310.7
52.5°	196.6
55°	114.1
57.5°	50.7
60°	12.7
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)