

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: P203389

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203389
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 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3149.7 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

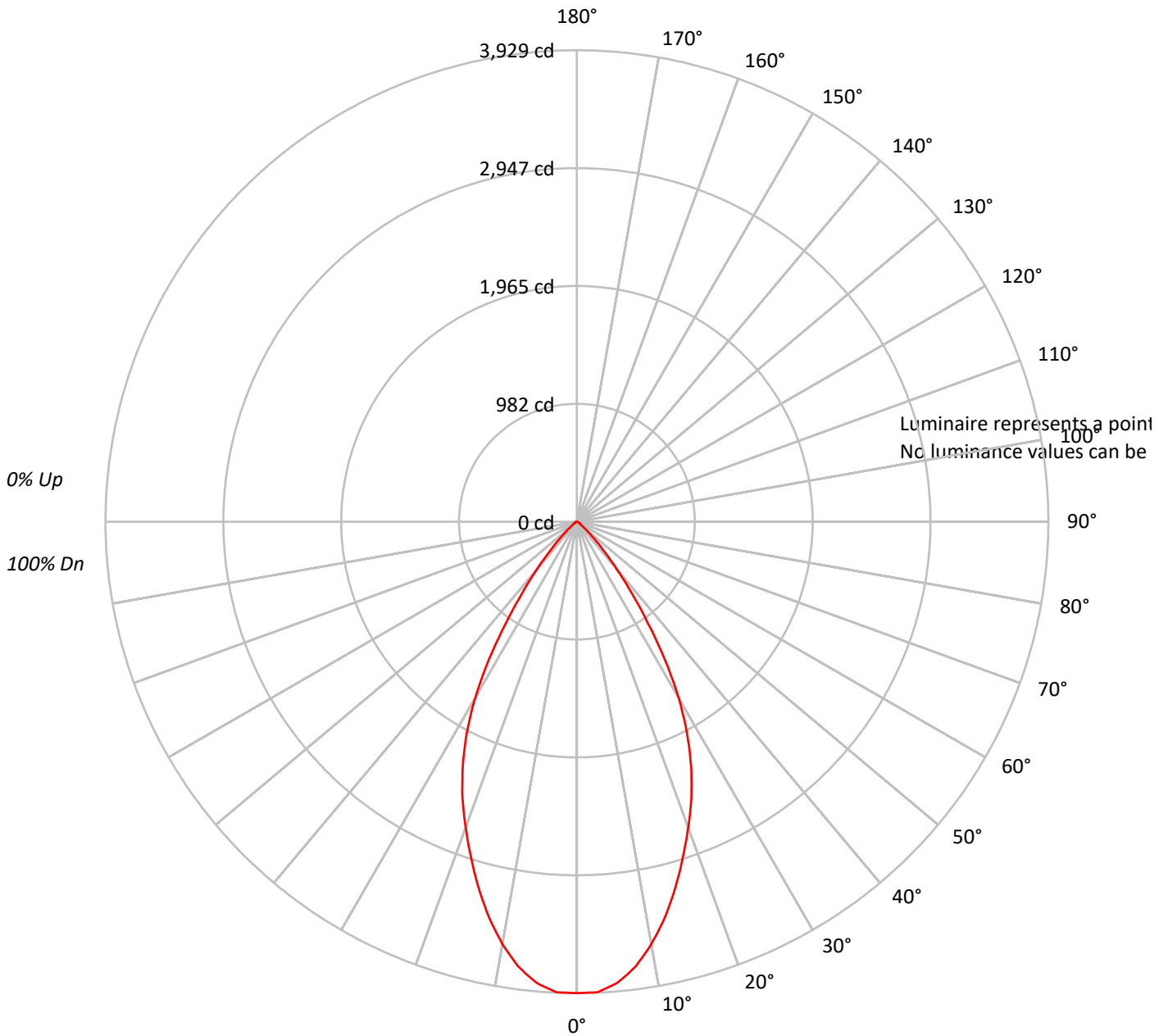
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94		
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87		
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81		
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76		
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71		
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66		
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62		
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58		
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55		
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.2	11.4
10°-20°	881.9	28.0
20°-30°	1020.4	32.4
30°-40°	652.2	20.7
40°-50°	184.9	5.9
50°-60°	33.0	1.0
60°-70°	13.5	0.4
70°-80°	4.6	0.1
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°	2261.5	71.8
0°-40°	2913.7	92.5
0°-60°	3131.6	99.4
0°-90°	3149.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3149.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3929	
5°	3859	359
15°	3163	882
25°	2252	1020
35°	1029	652
45°	215	185
55°	31	33
65°	13	13
75°	4	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3929.3
2.5°	3924.9
5°	3859.2
7.5°	3741.0
10°	3574.5
12.5°	3381.8
15°	3162.7
17.5°	2934.9
20°	2711.5
22.5°	2492.5
25°	2251.6
27.5°	1988.8
30°	1695.3
32.5°	1366.7
35°	1029.4
37.5°	744.7
40°	516.9
42.5°	341.7
45°	214.6
47.5°	127.0
50°	74.5
52.5°	43.8
55°	30.7
57.5°	26.3
60°	21.9
62.5°	17.5
65°	13.1
67.5°	8.8
70°	8.8
72.5°	4.4
75°	4.4
77.5°	4.4
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)