

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: P203799

Luminaire Tested: **LD6B50D010TE EU6B30509050 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203799
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 EU6B30509050 6LBNWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3138.1 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

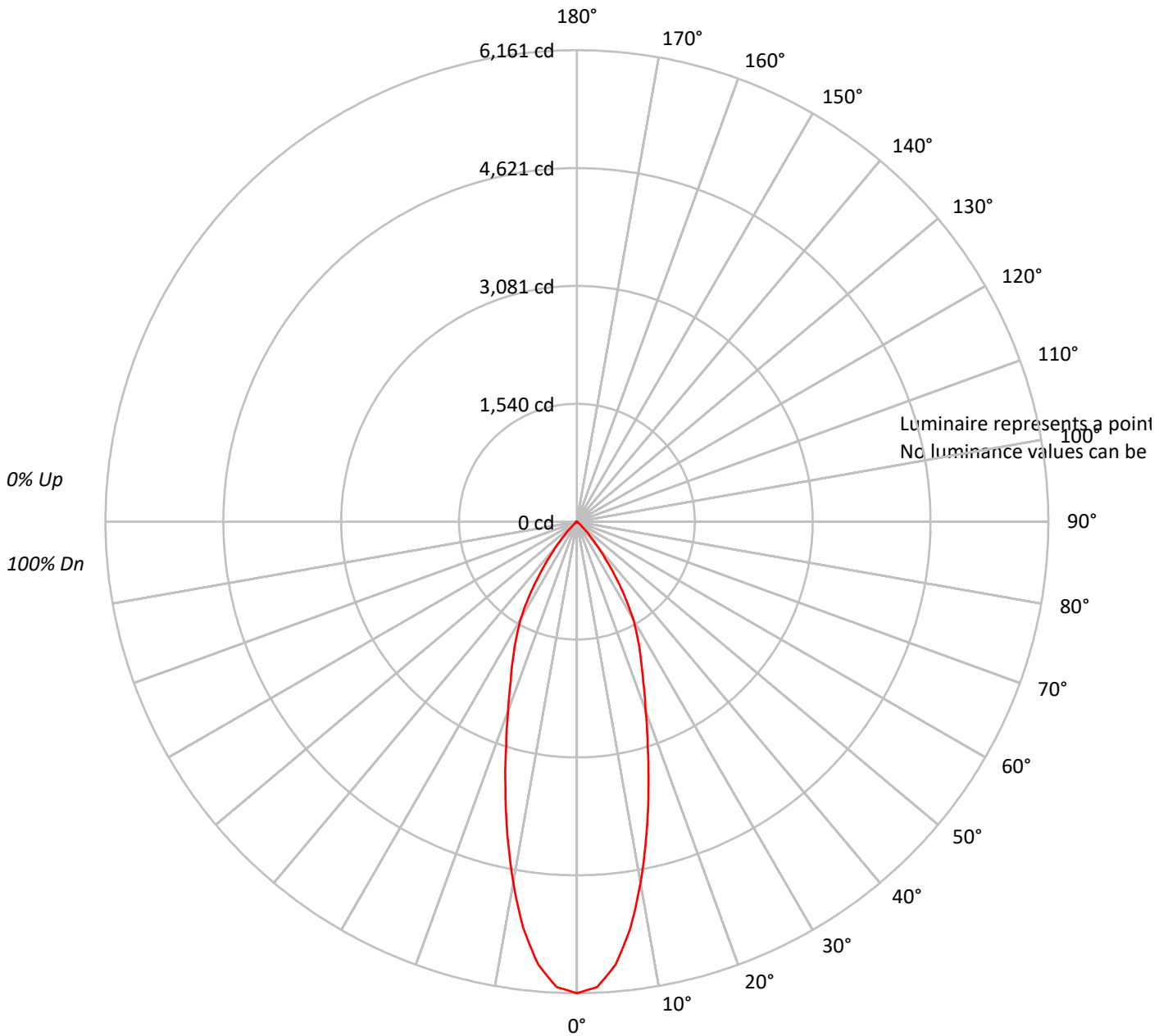
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94			
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89			
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83			
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79			
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74			
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70			
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66			
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63			
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60			
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.5	16.6
10°-20°	1002.2	31.9
20°-30°	911.1	29.0
30°-40°	552.3	17.6
40°-50°	125.7	4.0
50°-60°	16.1	0.5
60°-70°	7.2	0.2
70°-80°	2.1	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°	2434.8	77.6
0°-40°	2987.0	95.2
0°-60°	3128.8	99.7
0°-90°	3138.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3138.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6161	
5°	5809	522
15°	3609	1002
25°	1975	911
35°	876	552
45°	139	126
55°	16	16
65°	5	7
75°	0	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6161.0
2.5°	6086.3
5°	5808.7
7.5°	5360.2
10°	4789.0
12.5°	4196.3
15°	3609.1
17.5°	3075.2
20°	2626.7
22.5°	2263.7
25°	1975.4
27.5°	1719.1
30°	1468.2
32.5°	1174.5
35°	875.6
37.5°	614.0
40°	405.8
42.5°	250.9
45°	138.8
47.5°	64.1
50°	26.7
52.5°	21.4
55°	16.0
57.5°	16.0
60°	10.7
62.5°	10.7
65°	5.3
67.5°	5.3
70°	5.3
72.5°	5.3
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)