

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: P202683

Luminaire Tested: **LD6B70D010TE EU6B60708030 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202683
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: LD6B70D010TE EU6B60708030 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5560.5 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

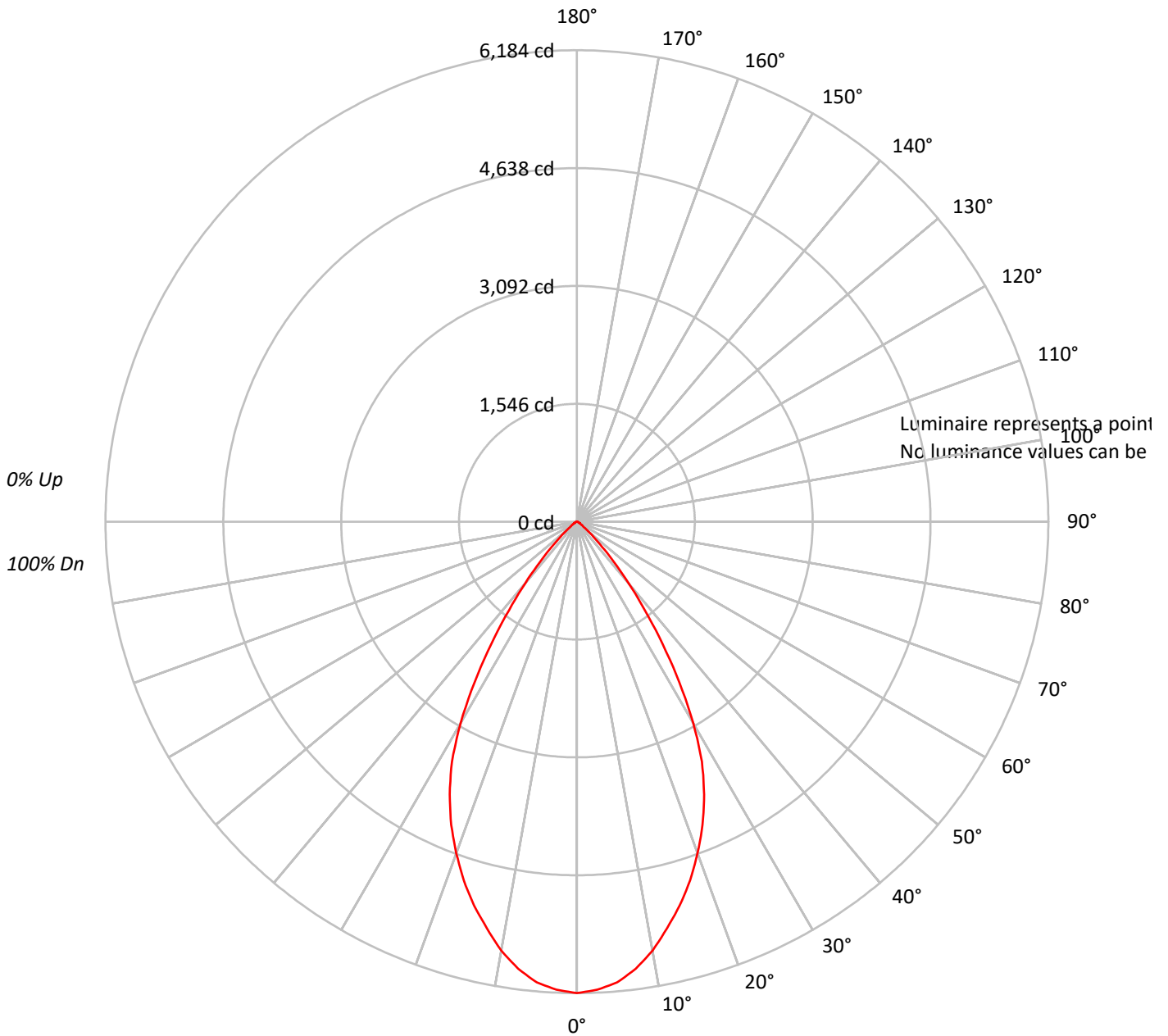
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202683

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBMWMH1

Luminous Intensity Polar Plot





TEST NUMBER: P202683

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBMWMH1

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74			
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69			
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64			
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	61	60			
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56			
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202683

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBMWMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.5	10.2
10°-20°	1456.9	26.2
20°-30°	1789.5	32.2
30°-40°	1227.0	22.1
40°-50°	394.4	7.1
50°-60°	80.0	1.4
60°-70°	31.4	0.6
70°-80°	11.8	0.2
80°-90°	1.9	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°	3813.9	68.6
0°-40°	5040.9	90.7
0°-60°	5515.3	99.2
0°-90°	5560.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5560.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6184	
5°	6066	568
15°	5212	1457
25°	3948	1789
35°	1957	1227
45°	467	394
55°	80	80
65°	33	31
75°	9	12
85°	0	2
90°	0	



TEST NUMBER: P202683

CATALOG NUMBER: LD6B70D010TE EU6B60708030 6LBMWMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	6183.6
2.5°	6145.9
5°	6065.7
7.5°	5914.8
10°	5712.0
12.5°	5462.0
15°	5212.0
17.5°	4933.7
20°	4627.1
22.5°	4306.4
25°	3947.9
27.5°	3551.7
30°	3051.7
32.5°	2499.9
35°	1957.4
37.5°	1462.2
40°	1051.8
42.5°	716.9
45°	467.0
47.5°	287.7
50°	174.5
52.5°	108.5
55°	80.2
57.5°	61.3
60°	47.2
62.5°	37.7
65°	33.0
67.5°	23.6
70°	18.9
72.5°	14.2
75°	9.4
77.5°	9.4
80°	4.7
82.5°	4.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)