

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: P203320

Luminaire Tested: **LD6B10D010 EU6B10209035 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203320
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: LD6B10D010 EU6B10209035 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 727.3 lumens
Efficiency: N/A
Efficacy: 73.5 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

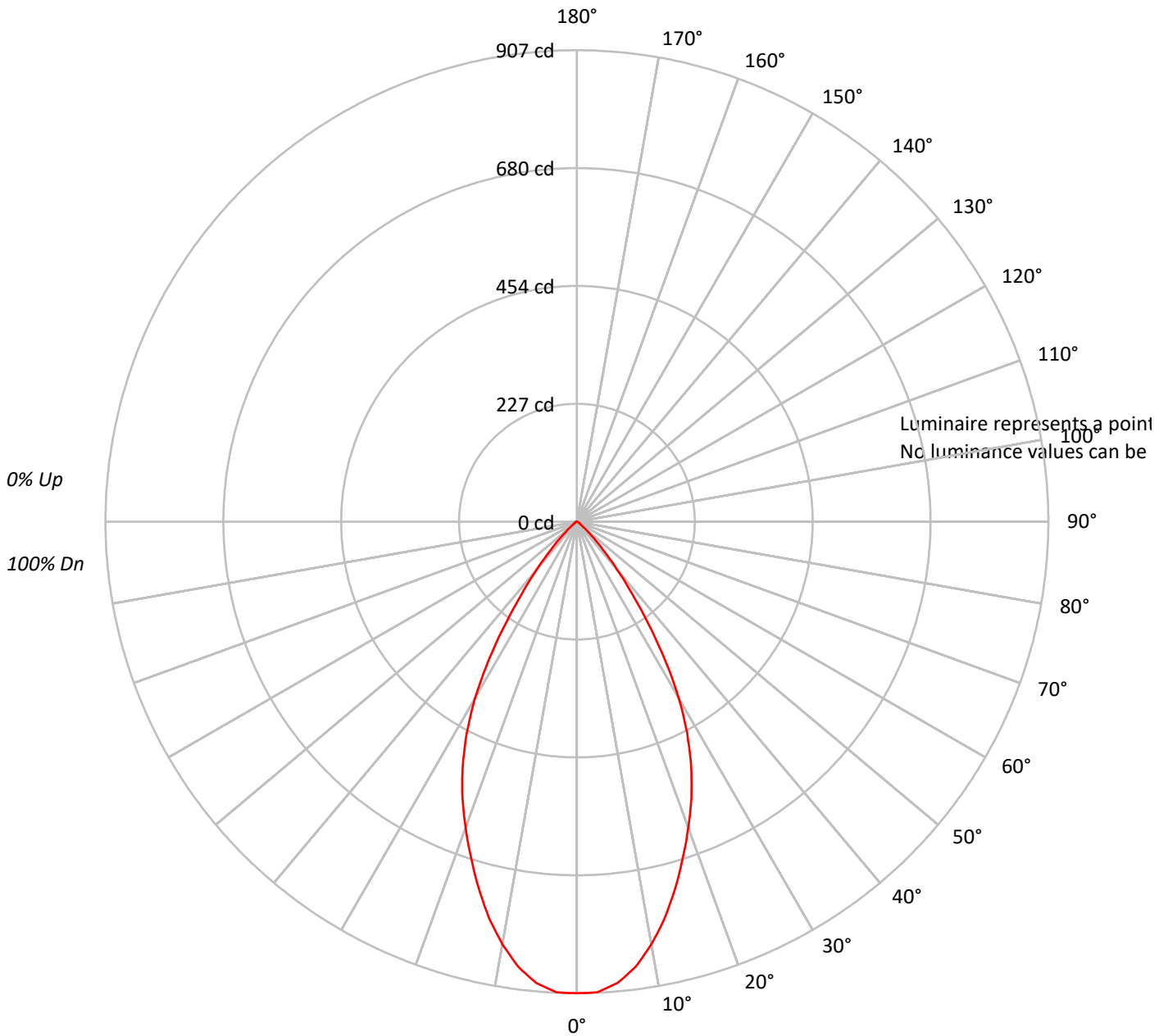
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203320

CATALOG NUMBER: LD6B10D010 EU6B10209035 6LBMWH1

Luminous Intensity Polar Plot





TEST NUMBER: P203320

CATALOG NUMBER: LD6B10D010 EU6B10209035 6LBMWH1

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	93	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):





TEST NUMBER: P203320

CATALOG NUMBER: LD6B10D010 EU6B10209035 6LBMWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	11.4
10°-20°	203.6	28.0
20°-30°	235.6	32.4
30°-40°	150.6	20.7
40°-50°	42.7	5.9
50°-60°	7.6	1.0
60°-70°	3.1	0.4
70°-80°	1.1	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°	522.2	71.8
0°-40°	672.8	92.5
0°-60°	723.2	99.4
0°-90°	727.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	727.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	907	
5°	891	83
15°	730	204
25°	520	236
35°	238	151
45°	50	43
55°	7	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P203320

CATALOG NUMBER: LD6B10D010 EU6B10209035 6LBMWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	907.3
2.5°	906.3
5°	891.2
7.5°	863.8
10°	825.4
12.5°	780.9
15°	730.3
17.5°	677.7
20°	626.1
22.5°	575.6
25°	519.9
27.5°	459.2
30°	391.5
32.5°	315.6
35°	237.7
37.5°	172.0
40°	119.4
42.5°	78.9
45°	49.6
47.5°	29.3
50°	17.2
52.5°	10.1
55°	7.1
57.5°	6.1
60°	5.1
62.5°	4.0
65°	3.0
67.5°	2.0
70°	2.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)