

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: P203554

Luminaire Tested: **LD6B20D010 EU6B10209050 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203554
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: LD6B20D010 EU6B10209050 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1424.4 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

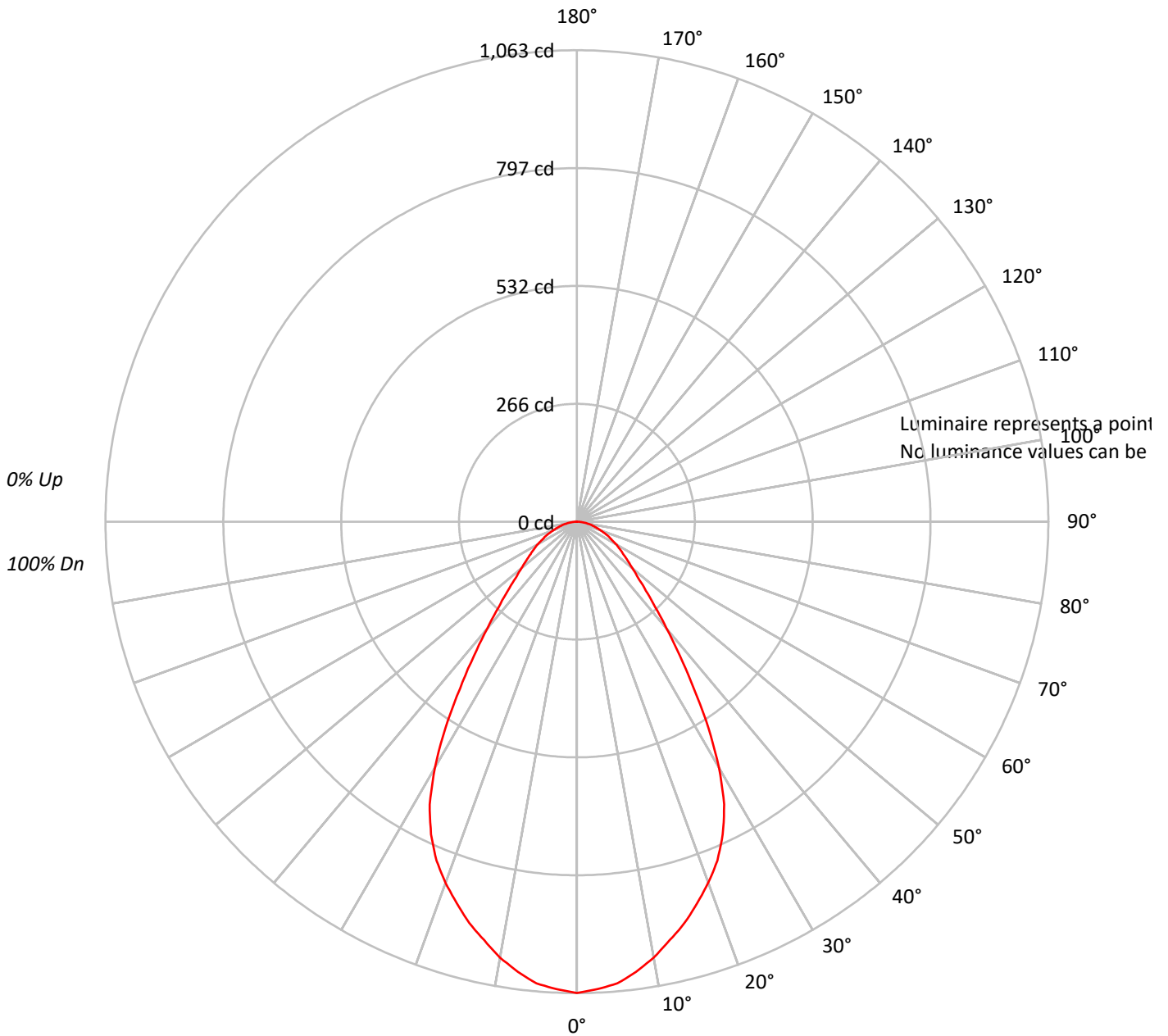
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203554

CATALOG NUMBER: LD6B20D010 EU6B10209050 6LBMMW1

Luminous Intensity Polar Plot





TEST NUMBER: P203554

CATALOG NUMBER: LD6B20D010 EU6B10209050 6LBMMW1

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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203554

CATALOG NUMBER: LD6B20D010 EU6B10209050 6LBMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	6.9
10°-20°	263.0	18.5
20°-30°	353.1	24.8
30°-40°	289.6	20.3
40°-50°	173.9	12.2
50°-60°	115.6	8.1
60°-70°	77.5	5.4
70°-80°	41.7	2.9
80°-90°	11.8	0.8
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°	714.3	50.1
0°-40°	1003.9	70.5
0°-60°	1293.4	90.8
0°-90°	1424.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1063	
5°	1045	98
15°	937	263
25°	778	353
35°	460	290
45°	220	174
55°	128	116
65°	79	77
75°	39	42
85°	10	12
90°	0	



TEST NUMBER: P203554

CATALOG NUMBER: LD6B20D010 EU6B10209050 6LBMMW1

CANDELA DISTRIBUTION (FULL):

0°	
0°	1062.8
2.5°	1055.0
5°	1045.2
7.5°	1023.5
10°	998.0
12.5°	966.6
15°	937.1
17.5°	901.7
20°	866.4
22.5°	827.1
25°	778.0
27.5°	719.0
30°	640.5
32.5°	552.0
35°	459.7
37.5°	381.1
40°	314.3
42.5°	261.3
45°	220.0
47.5°	186.6
50°	163.1
52.5°	143.4
55°	127.7
57.5°	113.9
60°	102.2
62.5°	88.4
65°	78.6
67.5°	66.8
70°	57.0
72.5°	47.1
75°	39.3
77.5°	31.4
80°	23.6
82.5°	17.7
85°	9.8
87.5°	3.9
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)