

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: P274376

Luminaire Tested: **LD6B10DE010W2N2050 EU6B1020W2N902050 6LBN0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1808-906-17)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBN0H
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, NARROW DISTRIBUTION WITH HAZE FINISH
Light Source: W2N 2000K-5000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 580.0 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.77
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

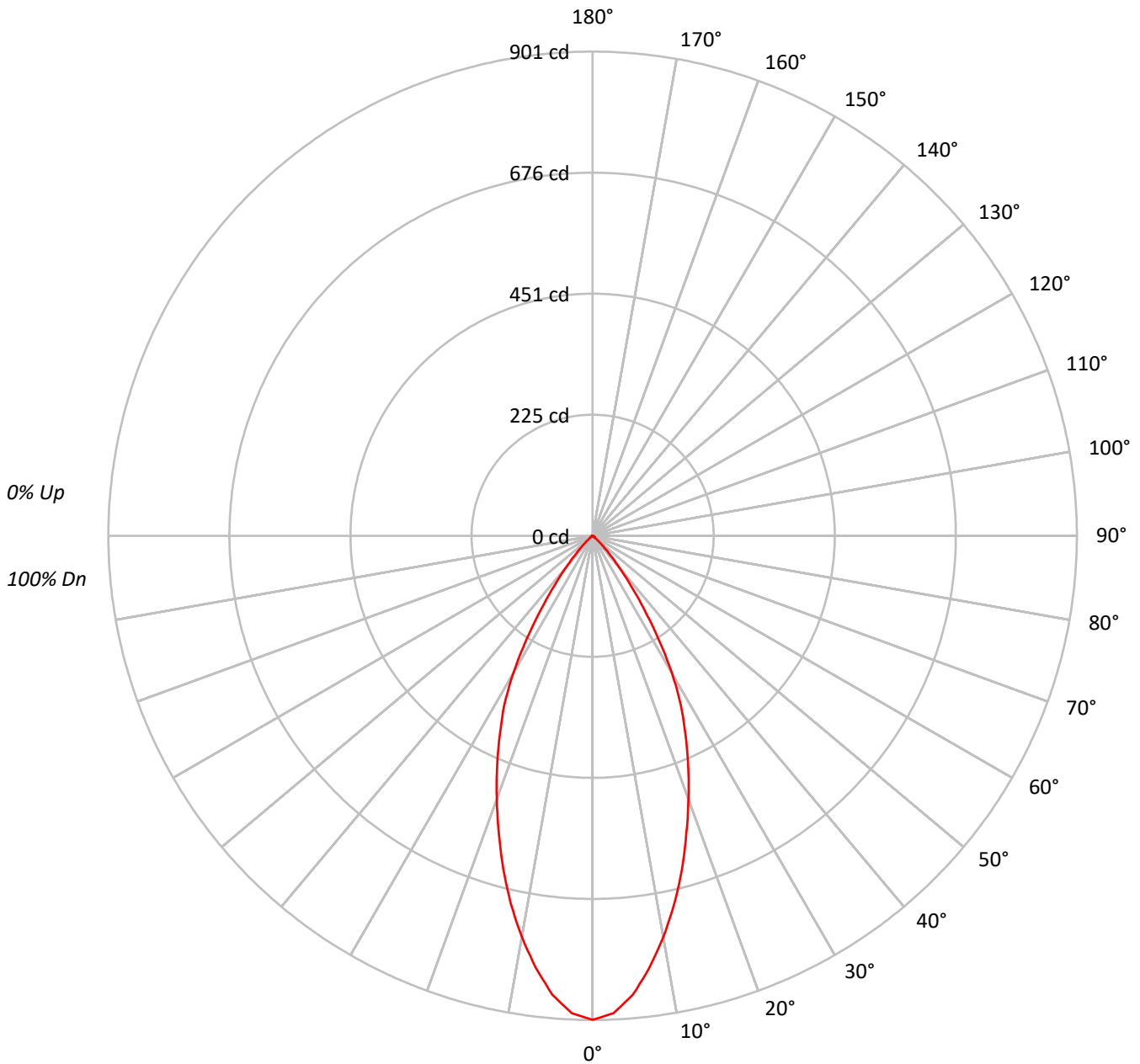
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274376

CATALOG NUMBER: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBN0H

Luminous Intensity Polar Plot





TEST NUMBER: P274376

CATALOG NUMBER: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBN0H

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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94		
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88		
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83		
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77		
5	94	86	81	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73		
6	90	81	75	71	88	80	75	71	79	74	71	78	73	70	76	73	70	68		
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	73	69	66	64		
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61		
9	78	69	63	60	77	68	63	59	67	63	59	67	62	59	66	62	59	58		
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	55		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49377
5°	47182
10°	42195
15°	36459
20°	30412
25°	24703
30°	18699
35°	11123
40°	5496
45°	2171
50°	537
55°	344
60°	197
65°	117
70°	144
75°	0
80°	0
85°	0



TEST NUMBER: P274376

CATALOG NUMBER: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBN0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	13.6
10°-20°	178.2	30.7
20°-30°	186.4	32.1
30°-40°	106.7	18.4
40°-50°	25.0	4.3
50°-60°	3.5	0.6
60°-70°	1.2	0.2
70°-80°	0.4	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°	443.3	76.4
0°-40°	549.9	94.8
0°-60°	578.4	99.7
0°-90°	580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	580.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	901	
5°	857	79
15°	642	178
25°	408	186
35°	166	107
45°	28	25
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P274376

CATALOG NUMBER: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBN0H

CANDELA DISTRIBUTION (FULL):

0°	
0°	900.7
2.5°	889.0
5°	857.4
7.5°	810.4
10°	758.0
12.5°	702.0
15°	642.4
17.5°	580.0
20°	521.3
22.5°	464.4
25°	408.4
27.5°	356.0
30°	295.4
32.5°	228.6
35°	166.2
37.5°	115.6
40°	76.8
42.5°	48.8
45°	28.0
47.5°	14.5
50°	6.3
52.5°	5.4
55°	3.6
57.5°	2.7
60°	1.8
62.5°	1.8
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.0
77.5°	0.0
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)