

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: P136069

Luminaire Tested: **LD6A20D010TE ERW6A20930 6LW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23358)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A20D010TE ERW6A20930 6LW1LI
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2303.2 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

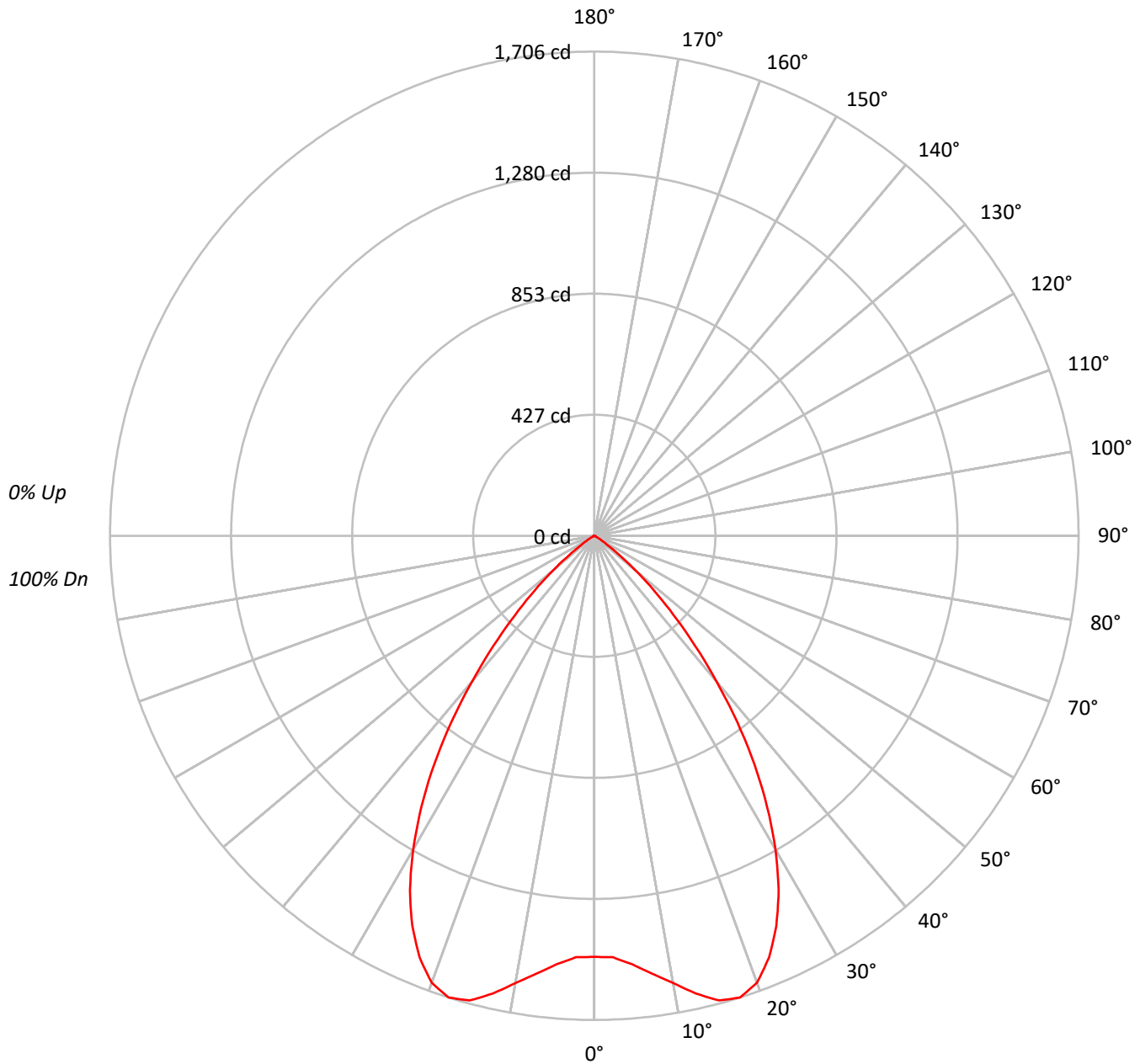
Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P136069

CATALOG NUMBER: LD6A20D010TE ERW6A20930 6LW1LI

Luminous Intensity Polar Plot





TEST NUMBER: P136069

CATALOG NUMBER: LD6A20D010TE ERW6A20930 6LW1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	113	110	107	105	110	108	105	103		104	102	100			100	98	97			97
2	107	101	97	93	104	99	95	92		96	93	90			93	90	88			90
3	100	93	88	83	98	92	87	83		89	85	81			87	83	80			84
4	94	86	80	75	93	85	79	75		83	78	74			81	76	73			79
5	89	80	73	68	87	79	73	68		77	71	67			75	70	67			73
6	84	74	67	62	82	73	67	62		71	66	62			70	65	61			69
7	79	68	62	57	77	68	61	57		66	61	57			65	60	56			64
8	74	64	57	53	73	63	57	52		62	56	52			61	56	52			60
9	70	60	53	49	69	59	53	48		58	52	48			57	52	48			56
10	66	56	49	45	65	55	49	45		54	49	45			54	48	45			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96778
5°	99250
10°	106022
15°	114477
20°	116333
25°	109209
30°	96186
35°	78338
40°	56891
45°	36509
50°	19183
55°	6563
60°	1879
65°	494
70°	305
75°	403
80°	0
85°	0



TEST NUMBER: P136069

CATALOG NUMBER: LD6A20D010TE ERW6A20930 6LW1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	6.4
10°-20°	475.4	20.6
20°-30°	689.8	30.0
30°-40°	607.7	26.4
40°-50°	311.1	13.5
50°-60°	65.6	2.8
60°-70°	5.1	0.2
70°-80°	1.0	0.0
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°	1312.7	57.0
0°-40°	1920.3	83.4
0°-60°	2297.0	99.7
0°-90°	2303.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2303.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1483	
5°	1516	147
15°	1695	475
25°	1517	690
35°	984	608
45°	396	311
55°	58	66
65°	3	5
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P136069

CATALOG NUMBER: LD6A20D010TE ERW6A20930 6LW1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1483.4
2.5°	1486.6
5°	1515.5
7.5°	1555.5
10°	1600.4
12.5°	1651.7
15°	1694.9
17.5°	1706.1
20°	1675.6
22.5°	1608.4
25°	1517.1
27.5°	1406.5
30°	1276.8
32.5°	1134.2
35°	983.6
37.5°	826.7
40°	668.0
42.5°	525.4
45°	395.7
47.5°	283.5
50°	189.0
52.5°	110.5
55°	57.7
57.5°	28.9
60°	14.4
62.5°	6.5
65°	3.2
67.5°	3.2
70°	1.6
72.5°	1.6
75°	1.6
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)