

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: P136191

Luminaire Tested: **LD6A20D010TE ERW6A20940 6LW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136191
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23374)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A20D010TE ERW6A20940 6LW1H
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2236.7 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.09
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

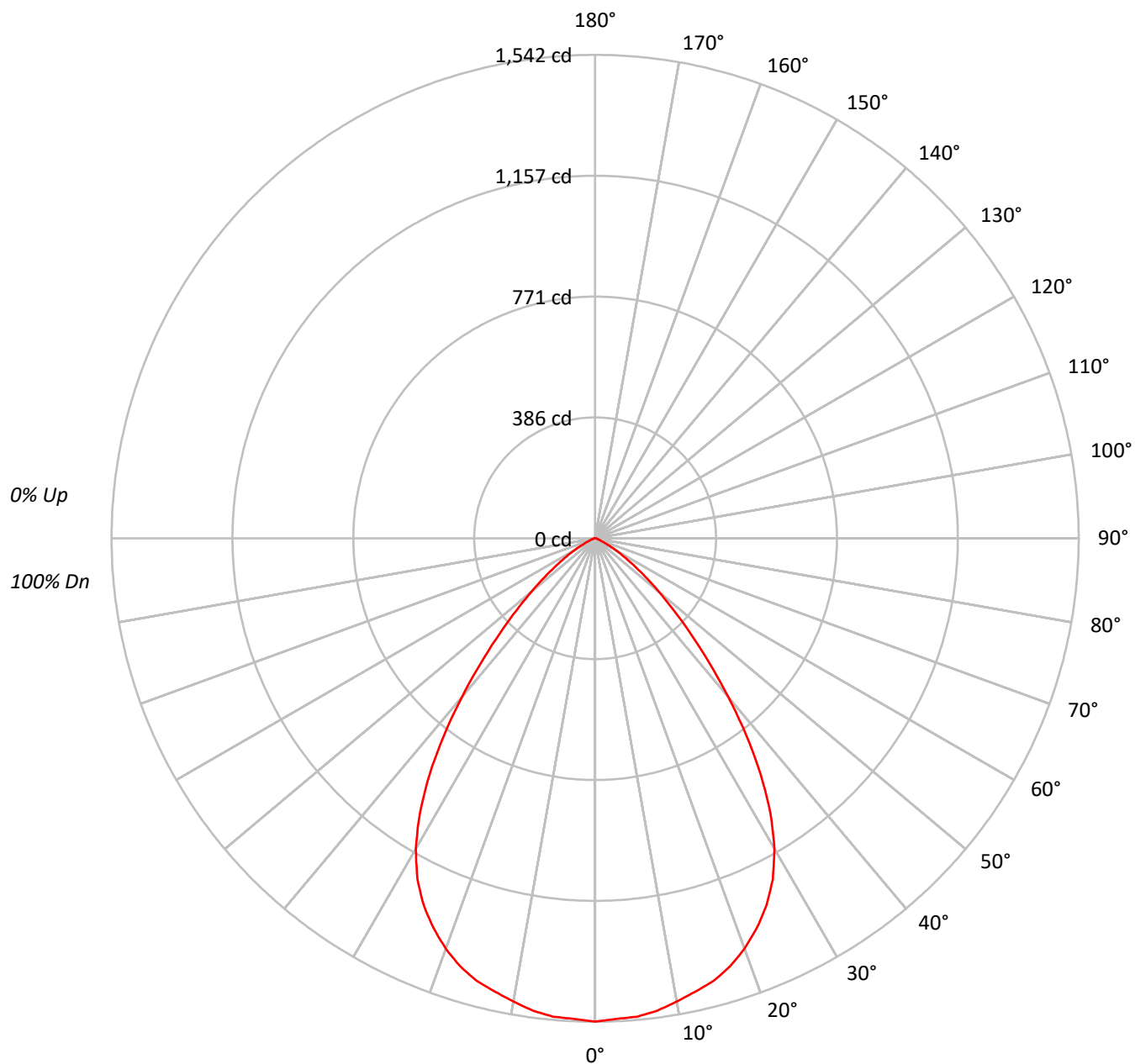
Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	112	109	106	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	54	49	71	61	54	49	59	53	49		58	53	49		57
9	68	57	50	45	67	56	50	45	55	49	45		54	49	45		53
10	64	53	46	42	63	53	46	42	52	46	42		51	46	42		50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	100581
5°	100324
10°	99384
15°	98686
20°	96692
25°	93041
30°	86144
35°	73360
40°	56184
45°	39674
50°	26785
55°	16948
60°	9877
65°	4523
70°	2804
75°	1840
80°	902
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.2	6.5
10°-20°	410.9	18.4
20°-30°	590.7	26.4
30°-40°	568.0	25.4
40°-50°	338.3	15.1
50°-60°	139.5	6.2
60°-70°	35.1	1.6
70°-80°	8.0	0.4
80°-90°	1.0	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°	1146.8	51.3
0°-40°	1714.9	76.7
0°-60°	2192.6	98.0
0°-90°	2236.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2236.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1542	
5°	1532	145
15°	1461	411
25°	1292	591
35°	921	568
45°	430	338
55°	149	139
65°	29	35
75°	7	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1541.7
2.5°	1534.4
5°	1531.9
7.5°	1519.7
10°	1500.2
12.5°	1480.6
15°	1461.1
17.5°	1431.8
20°	1392.7
22.5°	1346.2
25°	1292.5
27.5°	1226.5
30°	1143.5
32.5°	1040.8
35°	921.1
37.5°	791.6
40°	659.7
42.5°	537.5
45°	430.0
47.5°	339.6
50°	263.9
52.5°	202.7
55°	149.0
57.5°	107.5
60°	75.7
62.5°	48.9
65°	29.3
67.5°	19.5
70°	14.7
72.5°	9.8
75°	7.3
77.5°	4.9
80°	2.4
82.5°	2.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)