

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: P136187

Luminaire Tested: **LD6A20D010TE ERW6A20840 6LW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136187
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 ERW6A20840 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: 2425.9 lumens
Efficiency: N/A
Efficacy: 74.0 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

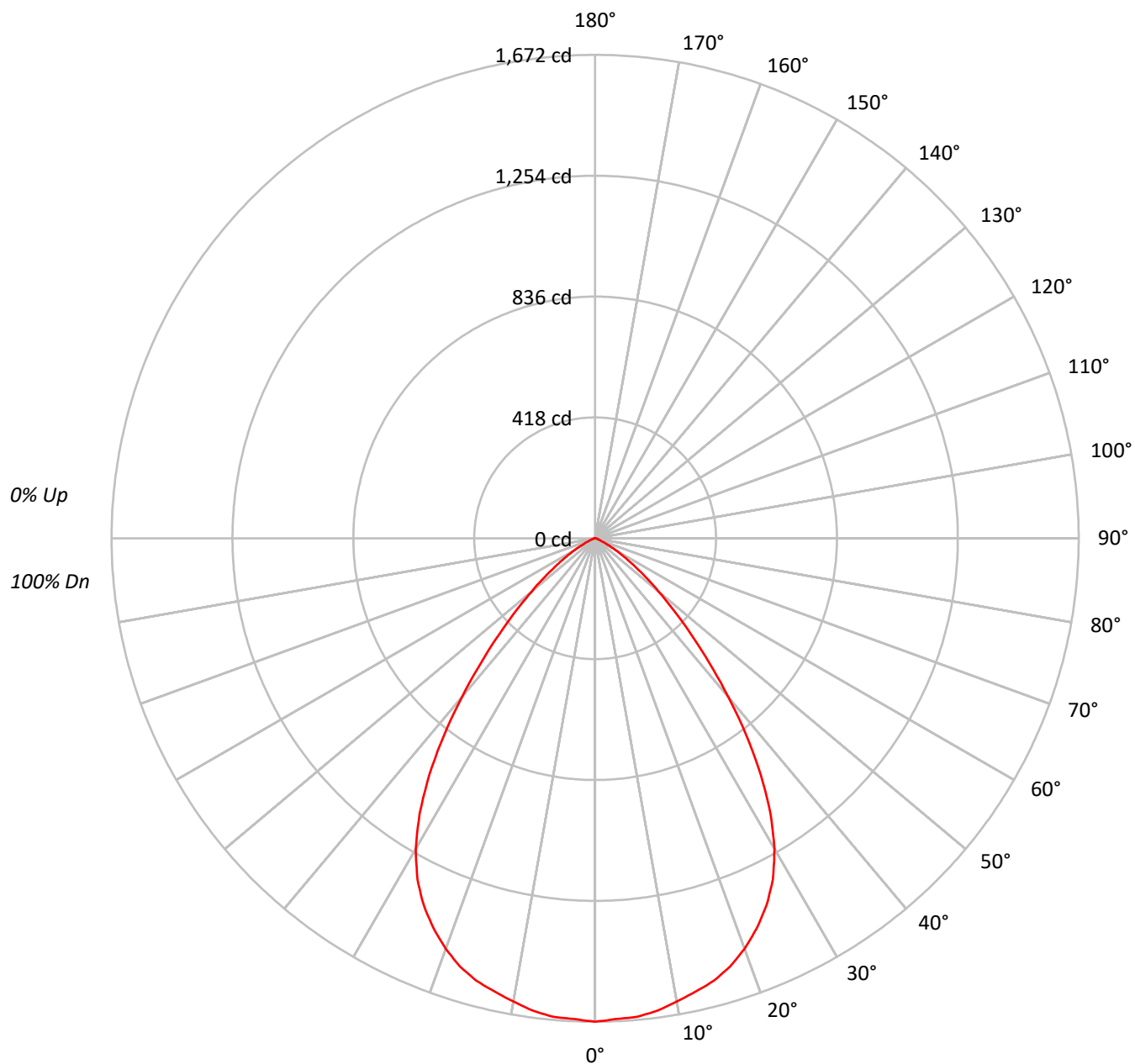
Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	109089
5°	108811
10°	107791
15°	107034
20°	104870
25°	100909
30°	93428
35°	79564
40°	60936
45°	43032
50°	29048
55°	18381
60°	10713
65°	4909
70°	3033
75°	1991
80°	977
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.5	6.5
10°-20°	445.7	18.4
20°-30°	640.7	26.4
30°-40°	616.1	25.4
40°-50°	366.9	15.1
50°-60°	151.3	6.2
60°-70°	38.0	1.6
70°-80°	8.7	0.4
80°-90°	1.1	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°	1243.8	51.3
0°-40°	1859.9	76.7
0°-60°	2378.1	98.0
0°-90°	2425.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2425.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1672	
5°	1662	157
15°	1585	446
25°	1402	641
35°	999	616
45°	466	367
55°	162	151
65°	32	38
75°	8	9
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1672.1
2.5°	1664.2
5°	1661.5
7.5°	1648.3
10°	1627.1
12.5°	1605.9
15°	1584.7
17.5°	1552.9
20°	1510.5
22.5°	1460.1
25°	1401.8
27.5°	1330.3
30°	1240.2
32.5°	1128.9
35°	999.0
37.5°	858.6
40°	715.5
42.5°	583.0
45°	466.4
47.5°	368.3
50°	286.2
52.5°	219.9
55°	161.6
57.5°	116.6
60°	82.1
62.5°	53.0
65°	31.8
67.5°	21.2
70°	15.9
72.5°	10.6
75°	7.9
77.5°	5.3
80°	2.6
82.5°	2.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)