

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: P136034

Luminaire Tested: **LD6A15D010TE ERW6A15835 6LW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136034
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: LD6A15D010TE ERW6A15835 6LW1LI
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1638.0 lumens
Efficiency: N/A
Efficacy: 72.5 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

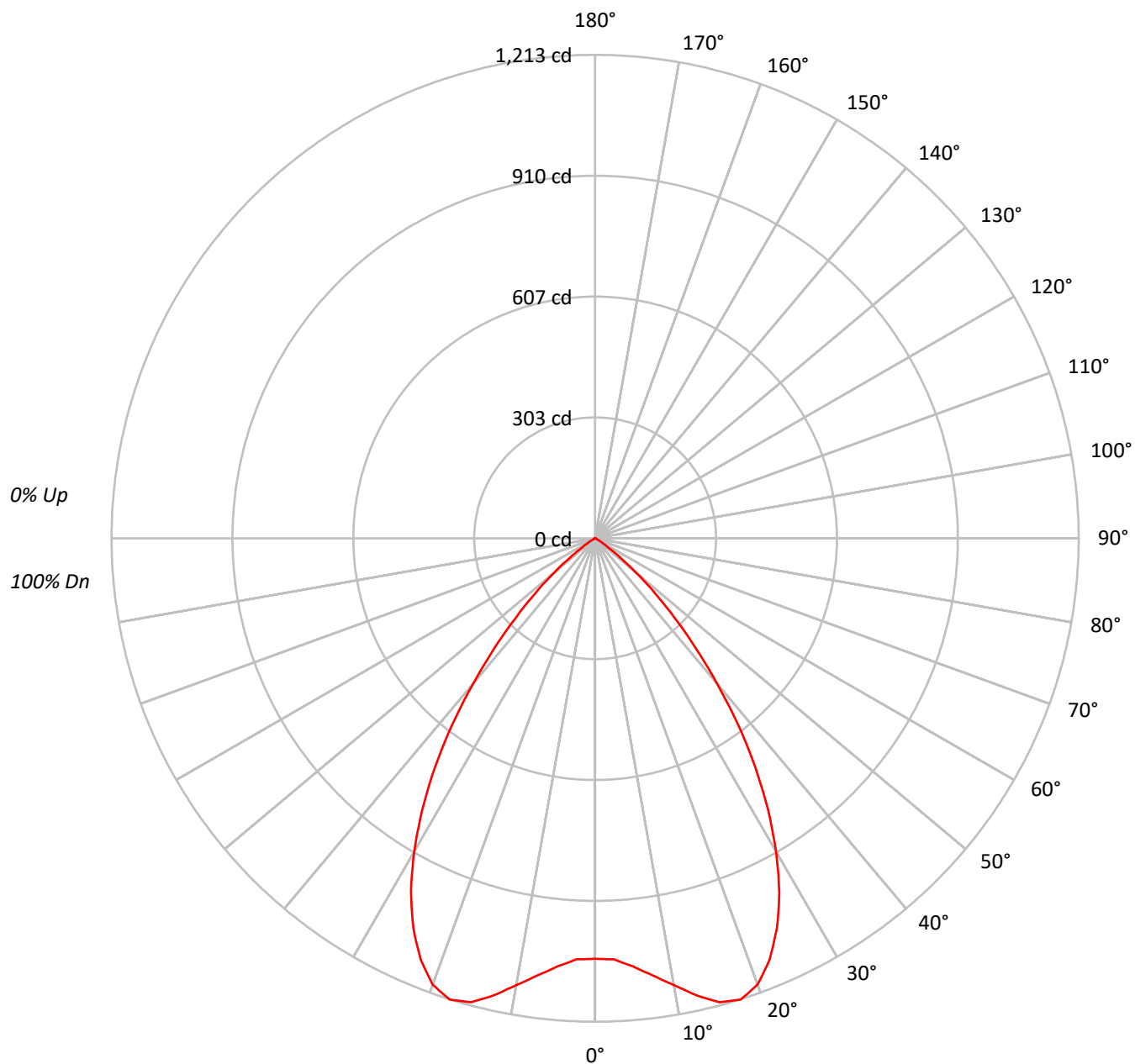
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	68829
5°	70585
10°	75402
15°	81415
20°	82737
25°	77665
30°	68403
35°	55711
40°	40462
45°	25963
50°	13641
55°	4663
60°	1344
65°	355
70°	210
75°	277
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	6.4
10°-20°	338.1	20.6
20°-30°	490.6	30.0
30°-40°	432.2	26.4
40°-50°	221.3	13.5
50°-60°	46.6	2.8
60°-70°	3.7	0.2
70°-80°	0.7	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°	933.6	57.0
0°-40°	1365.7	83.4
0°-60°	1633.6	99.7
0°-90°	1638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1638.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1055	
5°	1078	105
15°	1205	338
25°	1079	491
35°	700	432
45°	281	221
55°	41	47
65°	2	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1055.0
2.5°	1057.3
5°	1077.8
7.5°	1106.3
10°	1138.2
12.5°	1174.6
15°	1205.4
17.5°	1213.4
20°	1191.7
22.5°	1143.9
25°	1078.9
27.5°	1000.3
30°	908.0
32.5°	806.6
35°	699.5
37.5°	587.9
40°	475.1
42.5°	373.7
45°	281.4
47.5°	201.7
50°	134.4
52.5°	78.6
55°	41.0
57.5°	20.5
60°	10.3
62.5°	4.6
65°	2.3
67.5°	2.3
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)