

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: P136064

Luminaire Tested: **LD6A20D010TE ERW6A20827 6LW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136064
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 ERW6A20827 6LW1LI
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2386.0 lumens
Efficiency: N/A
Efficacy: 72.7 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

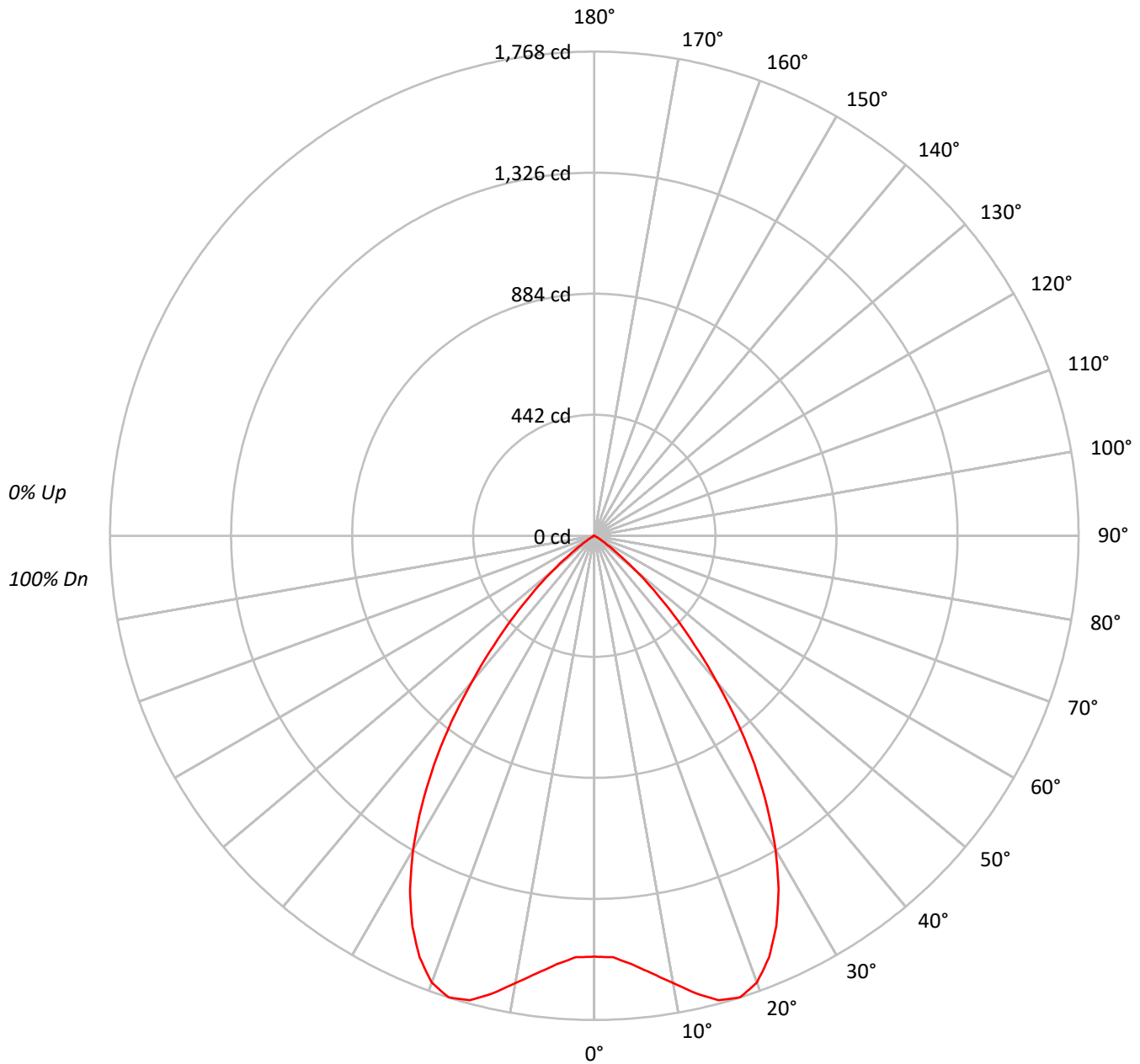
Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	100262
5°	102819
10°	109831
15°	118597
20°	120519
25°	113132
30°	99643
35°	81157
40°	58943
45°	37819
50°	19873
55°	6790
60°	1944
65°	509
70°	324
75°	429
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	6.4
10°-20°	492.5	20.6
20°-30°	714.6	30.0
30°-40°	629.5	26.4
40°-50°	322.3	13.5
50°-60°	67.9	2.8
60°-70°	5.3	0.2
70°-80°	1.1	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°	1359.9	57.0
0°-40°	1989.4	83.4
0°-60°	2379.6	99.7
0°-90°	2386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2386.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1537	
5°	1570	153
15°	1756	493
25°	1572	715
35°	1019	630
45°	410	322
55°	60	68
65°	3	5
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1536.8
2.5°	1540.1
5°	1570.0
7.5°	1611.5
10°	1657.9
12.5°	1711.1
15°	1755.9
17.5°	1767.5
20°	1735.9
22.5°	1666.2
25°	1571.6
27.5°	1457.1
30°	1322.7
32.5°	1175.0
35°	1019.0
37.5°	856.4
40°	692.1
42.5°	544.3
45°	409.9
47.5°	293.7
50°	195.8
52.5°	114.5
55°	59.7
57.5°	29.9
60°	14.9
62.5°	6.6
65°	3.3
67.5°	3.3
70°	1.7
72.5°	1.7
75°	1.7
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)