

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: P136068

Luminaire Tested: **LD6A20D010TE ERW6A20927 6LW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136068
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 ERW6A20927 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: 2199.8 lumens
Efficiency: N/A
Efficacy: 67.1 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

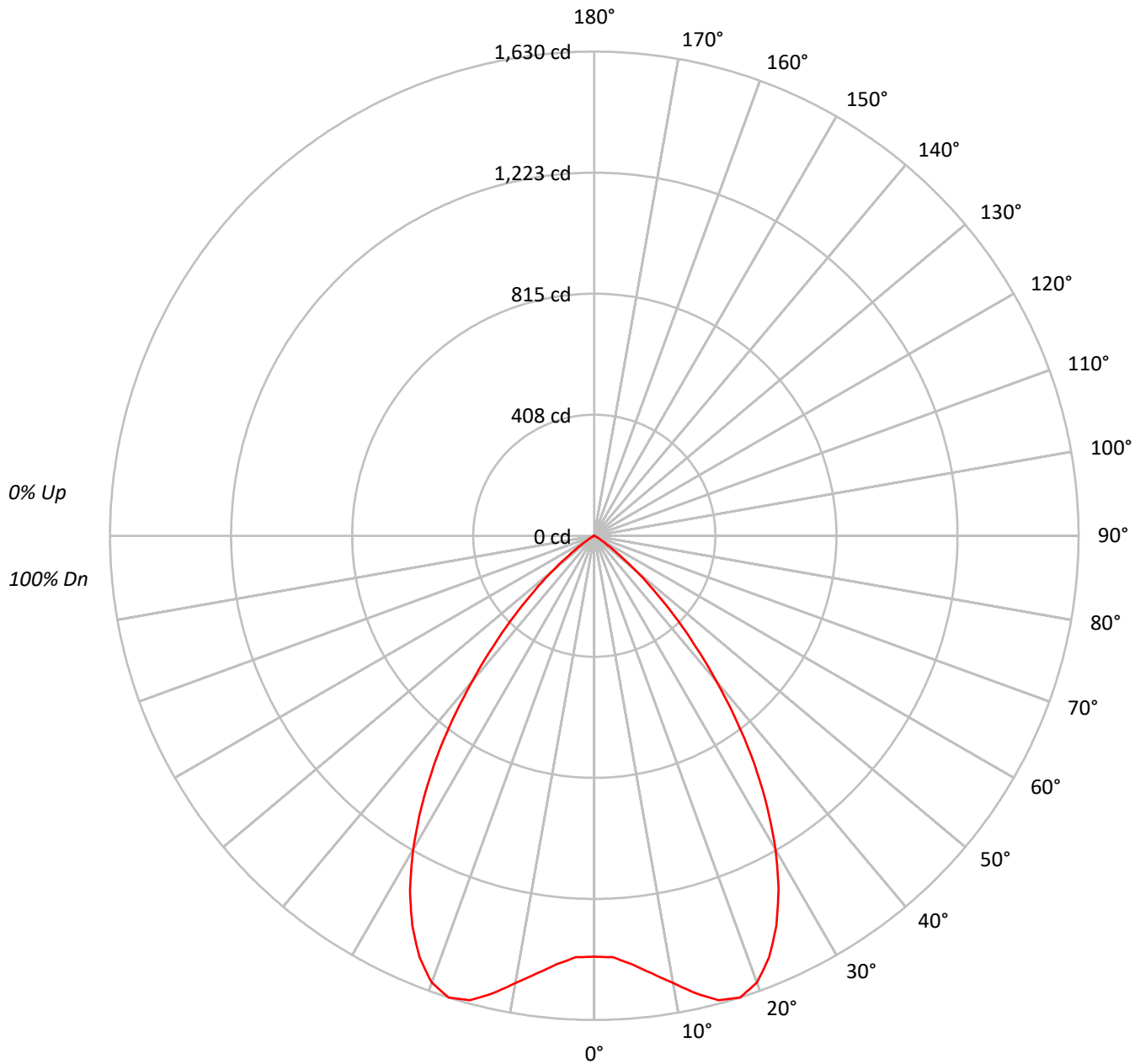
Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92		
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84		
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77		
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70		
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65		
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59		
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54		
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50		
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	44	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92439
5°	94797
10°	101265
15°	109344
20°	111119
25°	104306
30°	91869
35°	74826
40°	54344
45°	34867
50°	18320
55°	6256
60°	1788
65°	463
70°	305
75°	403
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	6.4
10°-20°	454.1	20.6
20°-30°	658.9	30.0
30°-40°	580.4	26.4
40°-50°	297.1	13.5
50°-60°	62.6	2.8
60°-70°	4.8	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°	1253.8	57.0
0°-40°	1834.2	83.4
0°-60°	2193.9	99.7
0°-90°	2199.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2199.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1417	
5°	1448	141
15°	1619	454
25°	1449	659
35°	940	580
45°	378	297
55°	55	63
65°	3	5
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1416.9
2.5°	1420.0
5°	1447.5
7.5°	1485.8
10°	1528.6
12.5°	1577.6
15°	1618.9
17.5°	1629.6
20°	1600.5
22.5°	1536.2
25°	1449.0
27.5°	1343.4
30°	1219.5
32.5°	1083.4
35°	939.5
37.5°	789.6
40°	638.1
42.5°	501.8
45°	377.9
47.5°	270.8
50°	180.5
52.5°	105.6
55°	55.0
57.5°	27.6
60°	13.7
62.5°	6.1
65°	3.0
67.5°	3.0
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



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— 0°-180°







(END OF REPORT)