

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: P136208

Luminaire Tested: **LD6A30D010TE ERW6A30827 6LW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136208
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: LD6A30D010TE ERW6A30827 6LW1H
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2631.0 lumens
Efficiency: N/A
Efficacy: 58.0 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

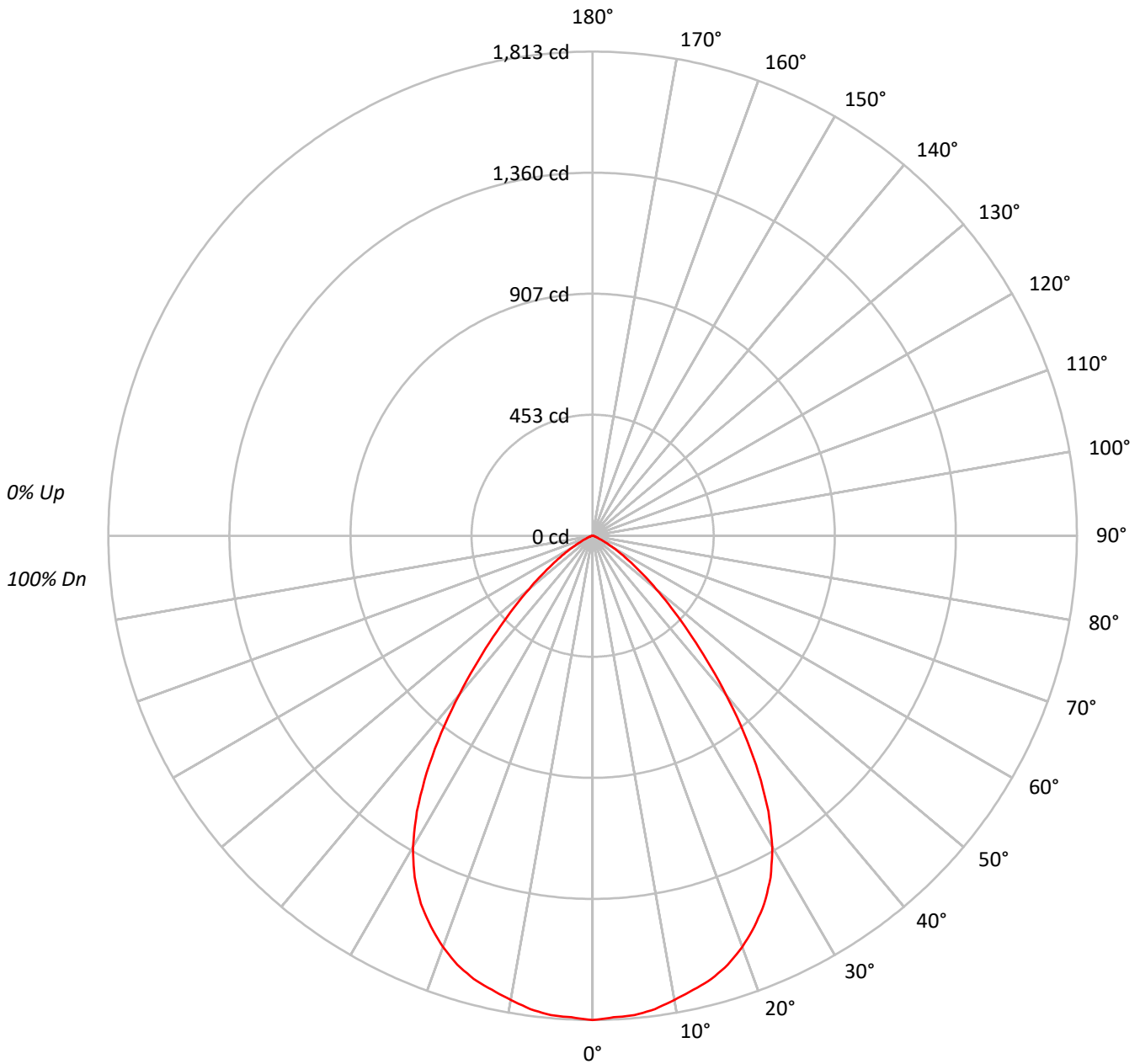
Input Watts (W): 45.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83			
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75			
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61			
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56			
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51			
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47			
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	49	45	43			
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118307
5°	118006
10°	116900
15°	116078
20°	113729
25°	109439
30°	101323
35°	86294
40°	66088
45°	46667
50°	31504
55°	19939
60°	11626
65°	5326
70°	3281
75°	2168
80°	1090
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	6.5
10°-20°	483.4	18.4
20°-30°	694.8	26.4
30°-40°	668.2	25.4
40°-50°	397.9	15.1
50°-60°	164.1	6.2
60°-70°	41.3	1.6
70°-80°	9.4	0.4
80°-90°	1.2	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°	1348.9	51.3
0°-40°	2017.1	76.7
0°-60°	2579.1	98.0
0°-90°	2631.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2631.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1813	
5°	1802	171
15°	1719	483
25°	1520	695
35°	1084	668
45°	506	398
55°	175	164
65°	34	41
75°	9	9
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1813.4
2.5°	1804.8
5°	1801.9
7.5°	1787.6
10°	1764.6
12.5°	1741.6
15°	1718.6
17.5°	1684.1
20°	1638.1
22.5°	1583.5
25°	1520.3
27.5°	1442.7
30°	1345.0
32.5°	1224.3
35°	1083.5
37.5°	931.1
40°	776.0
42.5°	632.3
45°	505.8
47.5°	399.5
50°	310.4
52.5°	238.5
55°	175.3
57.5°	126.5
60°	89.1
62.5°	57.5
65°	34.5
67.5°	23.0
70°	17.2
72.5°	11.5
75°	8.6
77.5°	5.7
80°	2.9
82.5°	2.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)