

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: P136211

Luminaire Tested: **LD6A30D010TE ERW6A30840 6LW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136211
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 ERW6A30840 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: 2883.0 lumens
Efficiency: N/A
Efficacy: 63.5 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

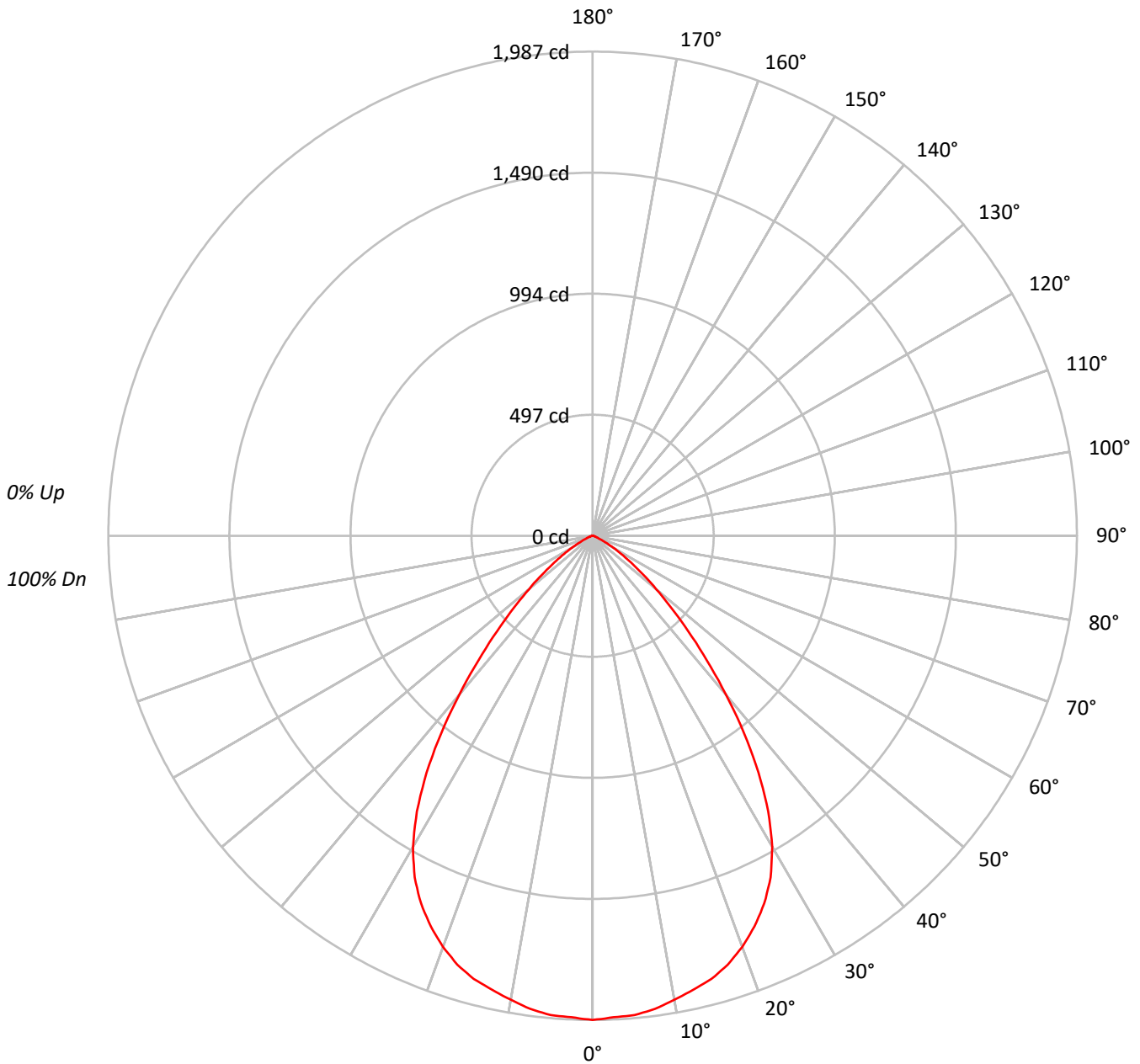
Input Watts (W): 45.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	129640
5°	129310
10°	128095
15°	127195
20°	124623
25°	119920
30°	111026
35°	94553
40°	72416
45°	51142
50°	34519
55°	21850
60°	12735
65°	5835
70°	3605
75°	2369
80°	1165
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.1	6.5
10°-20°	529.7	18.4
20°-30°	761.3	26.4
30°-40°	732.1	25.4
40°-50°	436.0	15.1
50°-60°	179.8	6.2
60°-70°	45.2	1.6
70°-80°	10.3	0.4
80°-90°	1.3	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°	1478.2	51.3
0°-40°	2210.3	76.7
0°-60°	2826.1	98.0
0°-90°	2883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2883.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1987	
5°	1974	187
15°	1883	530
25°	1666	761
35°	1187	732
45°	554	436
55°	192	180
65°	38	45
75°	9	10
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1987.1
2.5°	1977.7
5°	1974.5
7.5°	1958.8
10°	1933.6
12.5°	1908.4
15°	1883.2
17.5°	1845.4
20°	1795.0
22.5°	1735.2
25°	1665.9
27.5°	1580.9
30°	1473.8
32.5°	1341.5
35°	1187.2
37.5°	1020.3
40°	850.3
42.5°	692.8
45°	554.3
47.5°	437.7
50°	340.1
52.5°	261.4
55°	192.1
57.5°	138.6
60°	97.6
62.5°	63.0
65°	37.8
67.5°	25.2
70°	18.9
72.5°	12.6
75°	9.4
77.5°	6.3
80°	3.1
82.5°	3.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)