

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: P136036

Luminaire Tested: **LD6A15D010TE ERW6A15927 6LW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136036
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 ERW6A15927 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: 1404.5 lumens
Efficiency: N/A
Efficacy: 62.1 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

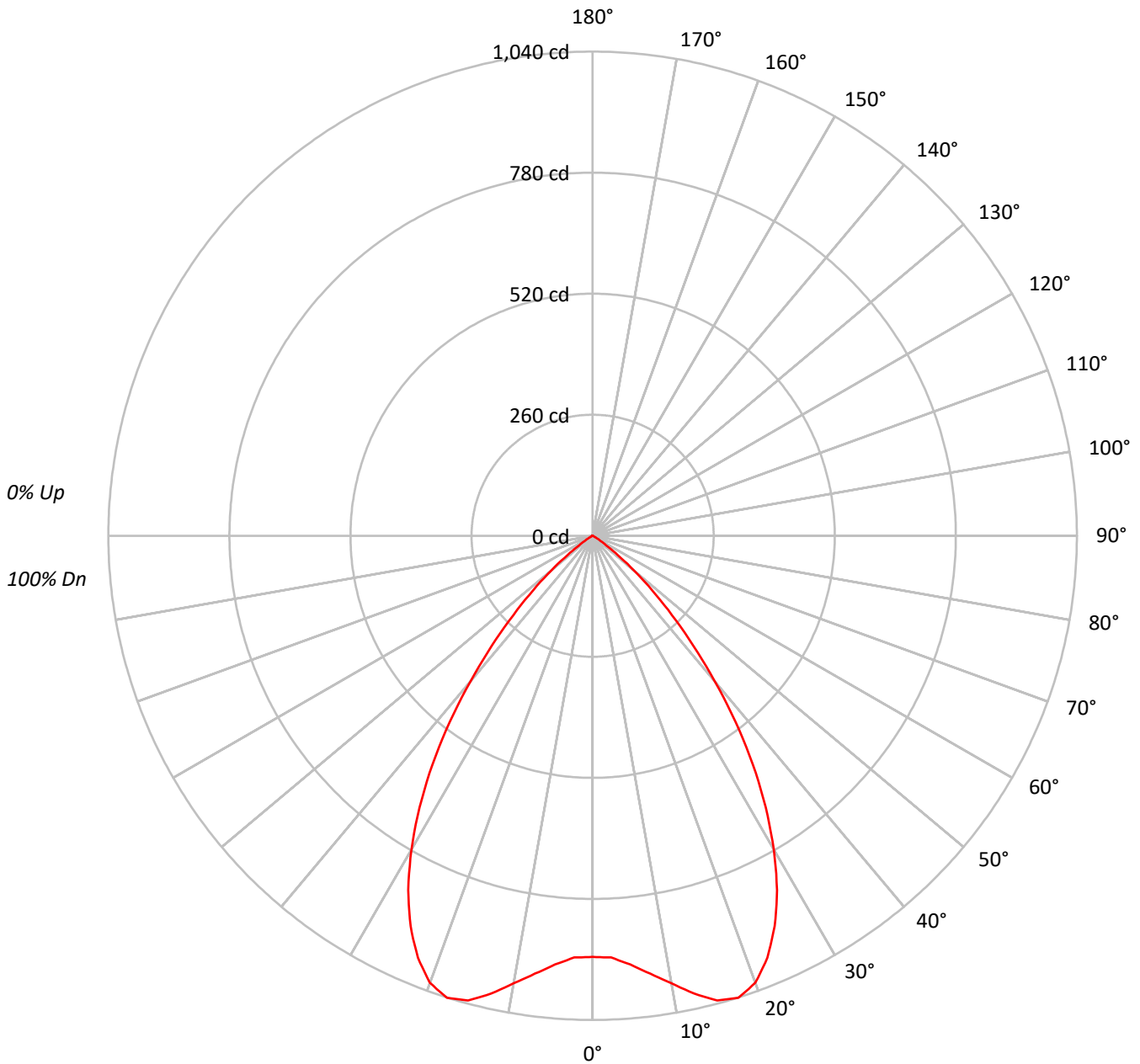
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59017
5°	60519
10°	64657
15°	69805
20°	70941
25°	66593
30°	58655
35°	47771
40°	34696
45°	22263
50°	11703
55°	4004
60°	1135
65°	293
70°	191
75°	252
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	6.4
10°-20°	289.9	20.6
20°-30°	420.7	30.0
30°-40°	370.6	26.4
40°-50°	189.7	13.5
50°-60°	40.0	2.8
60°-70°	3.1	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°	800.5	57.0
0°-40°	1171.1	83.4
0°-60°	1400.8	99.7
0°-90°	1404.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1404.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	905	
5°	924	90
15°	1034	290
25°	925	421
35°	600	371
45°	241	190
55°	35	40
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	904.6
2.5°	906.6
5°	924.1
7.5°	948.6
10°	976.0
12.5°	1007.2
15°	1033.5
17.5°	1040.5
20°	1021.8
22.5°	980.9
25°	925.1
27.5°	857.7
30°	778.6
32.5°	691.7
35°	599.8
37.5°	504.1
40°	407.4
42.5°	320.4
45°	241.3
47.5°	172.9
50°	115.3
52.5°	67.4
55°	35.2
57.5°	17.6
60°	8.7
62.5°	3.9
65°	1.9
67.5°	1.9
70°	1.0
72.5°	1.0
75°	1.0
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)