

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: P135438

Luminaire Tested: **LD6A15D010TE ERM6A15935 6LM1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23371)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A15D010TE ERM6A15935 6LM1H
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1308.8 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.9
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

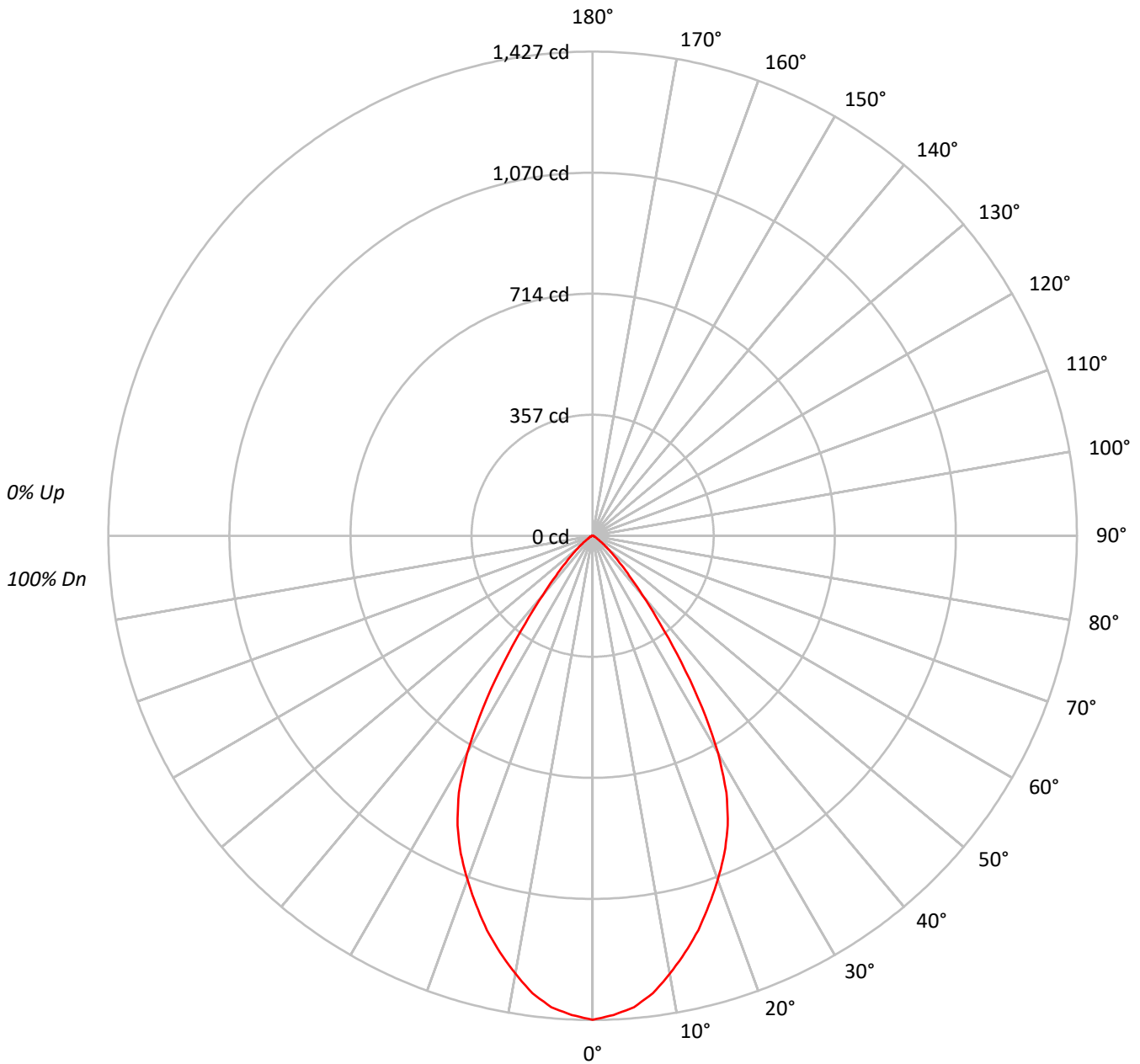
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
1	113	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93			
2	108	103	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80			
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74			
5	91	83	77	72	90	82	76	72	80	75	72	78	74	71	77	73	70	69			
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60			
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56			
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52			
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93072
5°	91345
10°	86823
15°	81267
20°	74864
25°	67803
30°	55649
35°	36174
40°	19409
45°	10444
50°	5745
55°	2809
60°	1709
65°	1127
70°	820
75°	378
80°	564
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.5	10.0
10°-20°	336.6	25.7
20°-30°	425.8	32.5
30°-40°	286.2	21.9
40°-50°	94.1	7.2
50°-60°	25.4	1.9
60°-70°	7.9	0.6
70°-80°	2.3	0.2
80°-90°	0.2	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°	892.8	68.2
0°-40°	1179.0	90.1
0°-60°	1298.4	99.2
0°-90°	1308.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1308.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1427	
5°	1395	130
15°	1203	337
25°	942	426
35°	454	286
45°	113	94
55°	25	25
65°	7	8
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1426.6
2.5°	1413.6
5°	1394.8
7.5°	1359.9
10°	1310.6
12.5°	1258.3
15°	1203.2
17.5°	1140.8
20°	1078.3
22.5°	1014.5
25°	941.9
27.5°	853.4
30°	738.7
32.5°	600.9
35°	454.2
37.5°	325.1
40°	227.9
42.5°	159.6
45°	113.2
47.5°	79.9
50°	56.6
52.5°	37.8
55°	24.7
57.5°	17.4
60°	13.1
62.5°	10.1
65°	7.3
67.5°	5.8
70°	4.3
72.5°	2.9
75°	1.5
77.5°	1.5
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)