

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: P135345

Luminaire Tested: **LD6A20D010TE ERM6A20830 6LM1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23398)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A20D010TE ERM6A20830 6LM1LI
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2447.1 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.8
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

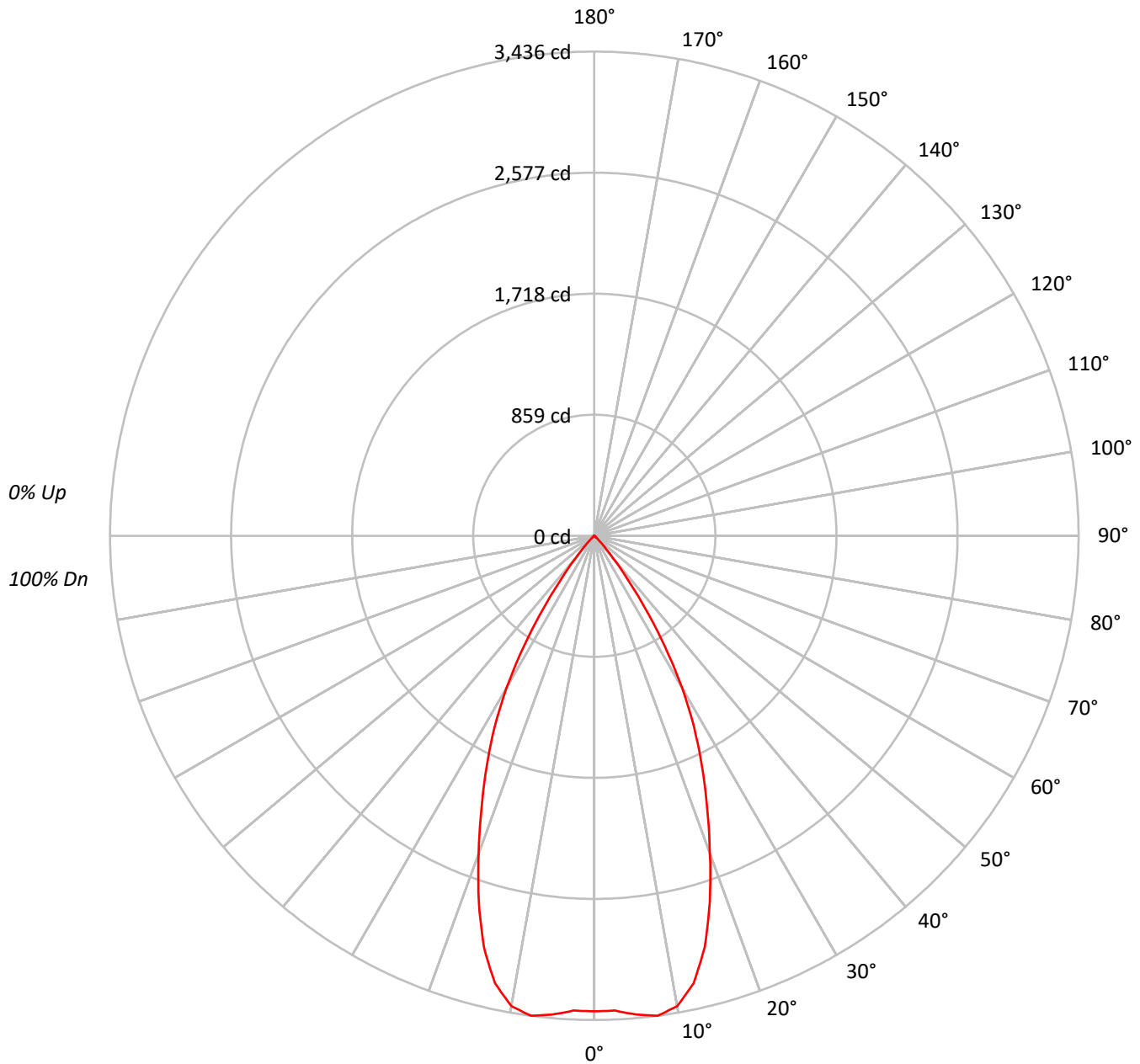
Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	112	109	107	105	105	104	102		101	100	99		98
2	109	104	101	98	107	103	99	96	99	97	94		97	94	92		94
3	104	98	93	90	102	97	93	89	94	91	88		92	89	86		90
4	99	92	87	83	98	91	87	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78
7	87	78	72	69	85	77	72	68	76	71	68		75	71	68		74
8	83	74	69	65	82	73	68	65	72	68	64		71	67	64		70
9	79	70	65	61	78	70	65	61	69	64	61		68	64	61		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	220154
5°	223373
10°	224531
15°	204288
20°	166460
25°	130070
30°	93730
35°	50072
40°	17425
45°	4724
50°	1512
55°	751
60°	431
65°	262
70°	324
75°	429
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.5	13.3
10°-20°	828.4	33.9
20°-30°	823.5	33.7
30°-40°	405.4	16.6
40°-50°	54.5	2.2
50°-60°	6.4	0.3
60°-70°	2.3	0.1
70°-80°	1.1	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°	1977.4	80.8
0°-40°	2382.8	97.4
0°-60°	2443.7	99.9
0°-90°	2447.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2447.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3374	
5°	3411	325
15°	3025	828
25°	1807	824
35°	629	405
45°	51	55
55°	7	6
65°	2	2
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3374.5
2.5°	3372.8
5°	3410.8
7.5°	3435.5
10°	3389.3
12.5°	3252.3
15°	3024.6
17.5°	2726.0
20°	2397.6
22.5°	2089.0
25°	1806.9
27.5°	1532.9
30°	1244.2
32.5°	934.0
35°	628.7
37.5°	377.9
40°	204.6
42.5°	105.6
45°	51.2
47.5°	24.8
50°	14.9
52.5°	8.3
55°	6.6
57.5°	5.0
60°	3.3
62.5°	3.3
65°	1.7
67.5°	1.7
70°	1.7
72.5°	1.7
75°	1.7
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)