

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: P135467

Luminaire Tested: **LD6A20D010TE ERM6A20840 6LM1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135467
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: LD6A20D010TE ERM6A20840 6LM1H
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 2246.0 lumens
Efficiency: N/A
Efficacy: 68.5 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

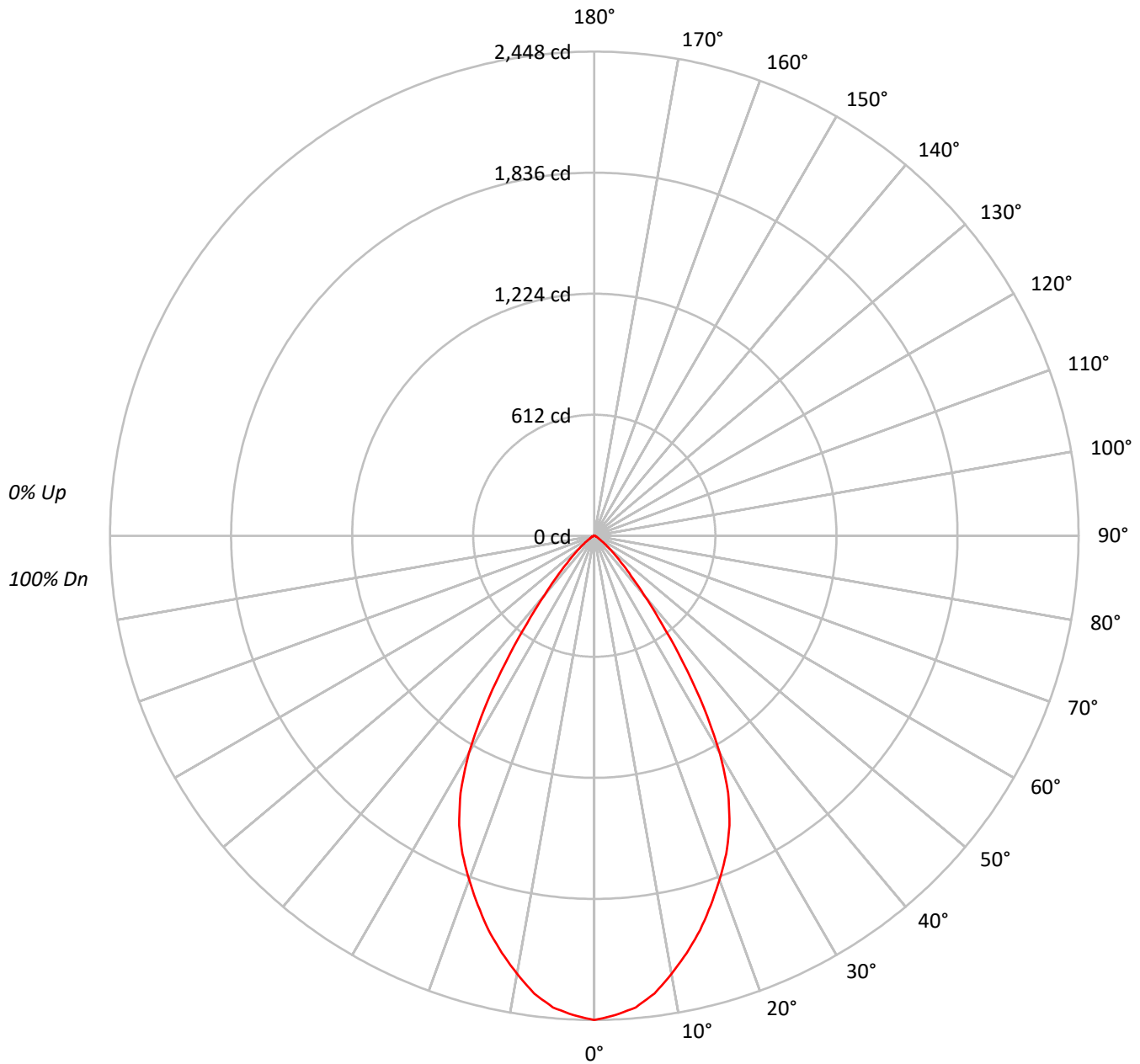
Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	159735
5°	156756
10°	148996
15°	139461
20°	128483
25°	116364
30°	95508
35°	62091
40°	33300
45°	17927
50°	9855
55°	4811
60°	2923
65°	1930
70°	1431
75°	630
80°	939
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	10.0
10°-20°	577.6	25.7
20°-30°	730.7	32.5
30°-40°	491.2	21.9
40°-50°	161.4	7.2
50°-60°	43.5	1.9
60°-70°	13.5	0.6
70°-80°	3.9	0.2
80°-90°	0.3	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°	1532.1	68.2
0°-40°	2023.3	90.1
0°-60°	2228.2	99.2
0°-90°	2246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2246.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2448	
5°	2394	224
15°	2065	578
25°	1616	731
35°	780	491
45°	194	161
55°	42	44
65°	12	14
75°	2	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2448.4
2.5°	2425.9
5°	2393.6
7.5°	2333.8
10°	2249.1
12.5°	2159.4
15°	2064.8
17.5°	1957.7
20°	1850.6
22.5°	1741.0
25°	1616.5
27.5°	1464.5
30°	1267.8
32.5°	1031.1
35°	779.6
37.5°	557.9
40°	391.0
42.5°	274.0
45°	194.3
47.5°	137.0
50°	97.1
52.5°	64.8
55°	42.3
57.5°	29.9
60°	22.4
62.5°	17.4
65°	12.5
67.5°	10.0
70°	7.5
72.5°	5.0
75°	2.5
77.5°	2.5
80°	2.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)