

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: P136185

Luminaire Tested: **LD6A20D010TE ERW6A20830 6LW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136185
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: LD6A20D010TE ERW6A20830 6LW1H
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2318.0 lumens
Efficiency: N/A
Efficacy: 70.7 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

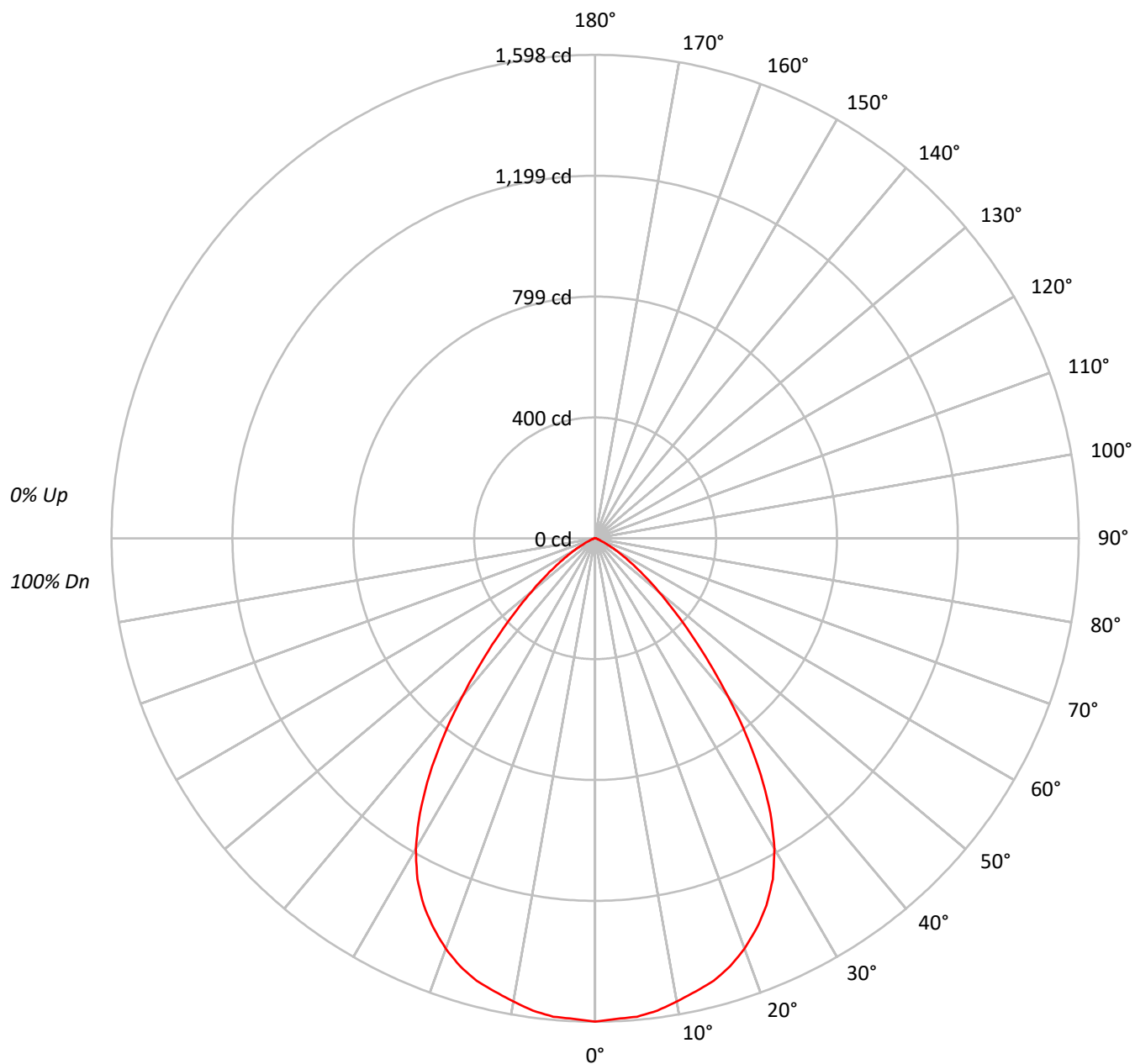
Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	104	110	107	105	102		103	101	99			99	98	96			96
2	106	100	95	91	103	98	94	90		95	91	88			92	89	86			89
3	99	91	86	81	97	90	85	80		87	83	79			85	81	78			82
4	93	84	77	72	91	83	77	72		80	75	71			78	74	70			76
5	87	77	70	65	85	76	70	65		74	69	64			72	68	64			71
6	82	71	64	59	80	70	64	59		69	63	58			67	62	58			66
7	77	66	59	54	75	65	58	54		64	58	53			62	57	53			61
8	72	61	54	49	71	61	54	49		59	53	49			58	53	49			57
9	68	57	50	45	67	56	50	45		55	49	45			54	49	45			53
10	64	53	46	42	63	53	46	42		52	46	42			51	46	42			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104235
5°	103972
10°	102994
15°	102265
20°	100198
25°	96417
30°	89270
35°	76028
40°	58219
45°	41113
50°	27759
55°	17573
60°	10243
65°	4693
70°	2899
75°	1916
80°	939
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	6.5
10°-20°	425.9	18.4
20°-30°	612.1	26.4
30°-40°	588.7	25.4
40°-50°	350.6	15.1
50°-60°	144.6	6.2
60°-70°	36.4	1.6
70°-80°	8.3	0.4
80°-90°	1.0	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°	1188.5	51.3
0°-40°	1777.1	76.7
0°-60°	2272.3	98.0
0°-90°	2318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2318.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1598	
5°	1588	150
15°	1514	426
25°	1339	612
35°	955	589
45°	446	351
55°	154	145
65°	30	36
75°	8	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1597.7
2.5°	1590.1
5°	1587.6
7.5°	1574.9
10°	1554.7
12.5°	1534.4
15°	1514.1
17.5°	1483.8
20°	1443.2
22.5°	1395.1
25°	1339.4
27.5°	1271.1
30°	1185.0
32.5°	1078.6
35°	954.6
37.5°	820.4
40°	683.6
42.5°	557.0
45°	445.6
47.5°	351.9
50°	273.5
52.5°	210.2
55°	154.5
57.5°	111.4
60°	78.5
62.5°	50.6
65°	30.4
67.5°	20.3
70°	15.2
72.5°	10.1
75°	7.6
77.5°	5.1
80°	2.5
82.5°	2.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)