

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: P252766

Luminaire Tested: **LD6B15D010 EU6B10208030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B15D010 EU6B10208030 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1865.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

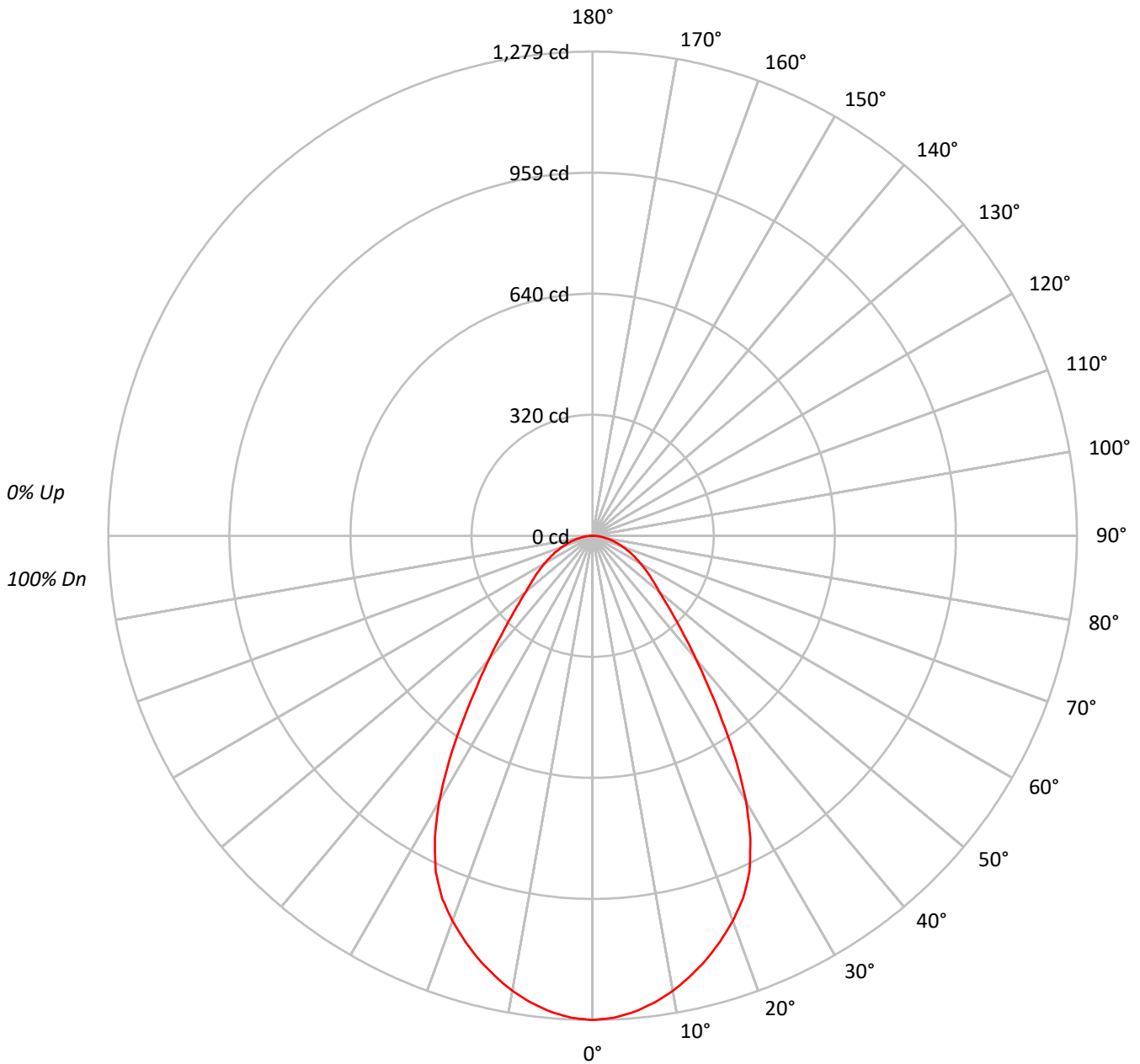
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83456
5°	82687
10°	80868
15°	78295
20°	75135
25°	70538
30°	61035
35°	47524
40°	36119
45°	28159
50°	23354
55°	20963
60°	19076
65°	17614
70°	16176
75°	14998
80°	13563
85°	12426



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	6.4
10°-20°	325.7	17.5
20°-30°	443.6	23.8
30°-40°	375.4	20.1
40°-50°	240.8	12.9
50°-60°	165.7	8.9
60°-70°	113.2	6.1
70°-80°	63.0	3.4
80°-90°	18.4	1.0
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°	888.5	47.6
0°-40°	1263.9	67.8
0°-60°	1670.4	89.6
0°-90°	1865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1865.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1279	
5°	1263	119
15°	1159	326
25°	980	444
35°	597	375
45°	305	241
55°	184	166
65°	114	113
75°	60	63
85°	17	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1279.2
2.5°	1274.3
5°	1262.6
7.5°	1244.1
10°	1220.7
12.5°	1191.4
15°	1159.2
17.5°	1122.2
20°	1082.2
22.5°	1037.4
25°	979.9
27.5°	901.9
30°	810.2
32.5°	704.9
35°	596.7
37.5°	502.1
40°	424.1
42.5°	358.8
45°	305.2
47.5°	263.2
50°	230.1
52.5°	204.7
55°	184.3
57.5°	164.8
60°	146.2
62.5°	129.7
65°	114.1
67.5°	98.5
70°	84.8
72.5°	71.2
75°	59.5
77.5°	47.8
80°	36.1
82.5°	26.3
85°	16.6
87.5°	6.8
90°	0.0



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— 0°-180°







(END OF REPORT)