

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: P252775

Luminaire Tested: **LD6B15D010 EU6B10209050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252775
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 EU6B10209050 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1625.0 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

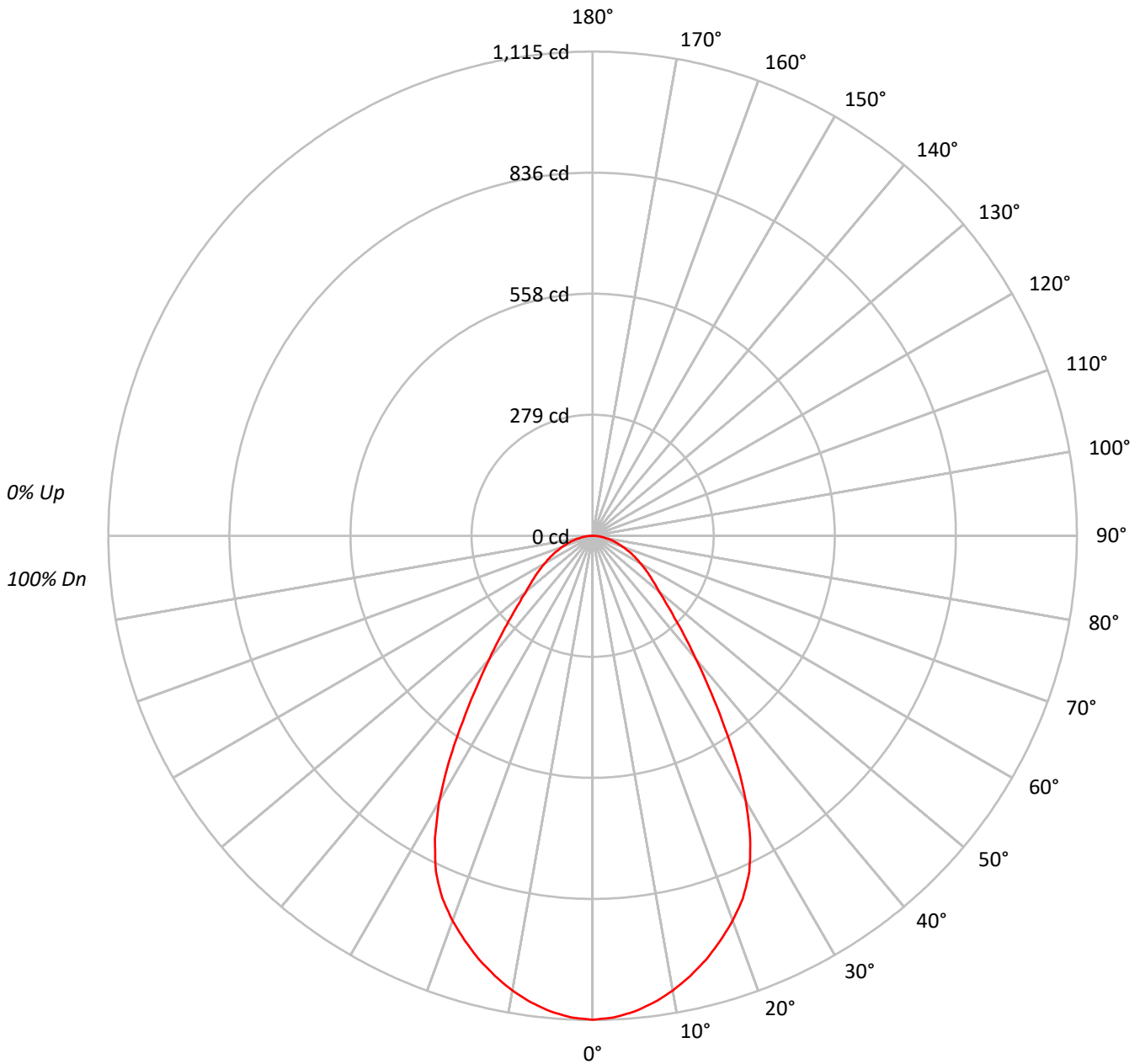
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	88	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72717
5°	72045
10°	70460
15°	68224
20°	65470
25°	61461
30°	53178
35°	41407
40°	31469
45°	24533
50°	20350
55°	18267
60°	16623
65°	15345
70°	14096
75°	13057
80°	11797
85°	10779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.8	6.4
10°-20°	283.8	17.5
20°-30°	386.5	23.8
30°-40°	327.1	20.1
40°-50°	209.8	12.9
50°-60°	144.4	8.9
60°-70°	98.6	6.1
70°-80°	54.9	3.4
80°-90°	16.0	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°	774.2	47.6
0°-40°	1101.2	67.8
0°-60°	1455.4	89.6
0°-90°	1625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1625.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1115	
5°	1100	104
15°	1010	284
25°	854	387
35°	520	327
45°	266	210
55°	161	144
65°	99	99
75°	52	55
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1114.6
2.5°	1110.3
5°	1100.1
7.5°	1084.0
10°	1063.6
12.5°	1038.1
15°	1010.1
17.5°	977.8
20°	943.0
22.5°	903.9
25°	853.8
27.5°	785.8
30°	705.9
32.5°	614.2
35°	519.9
37.5°	437.5
40°	369.5
42.5°	312.6
45°	265.9
47.5°	229.4
50°	200.5
52.5°	178.4
55°	160.6
57.5°	143.6
60°	127.4
62.5°	113.0
65°	99.4
67.5°	85.8
70°	73.9
72.5°	62.0
75°	51.8
77.5°	41.6
80°	31.4
82.5°	22.9
85°	14.4
87.5°	5.9
90°	0.0



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— 0°-180°







(END OF REPORT)