

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: P252778

Luminaire Tested: **LD6B20D010 EU6B10208027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252778
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: LD6B20D010 EU6B10208027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2481.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

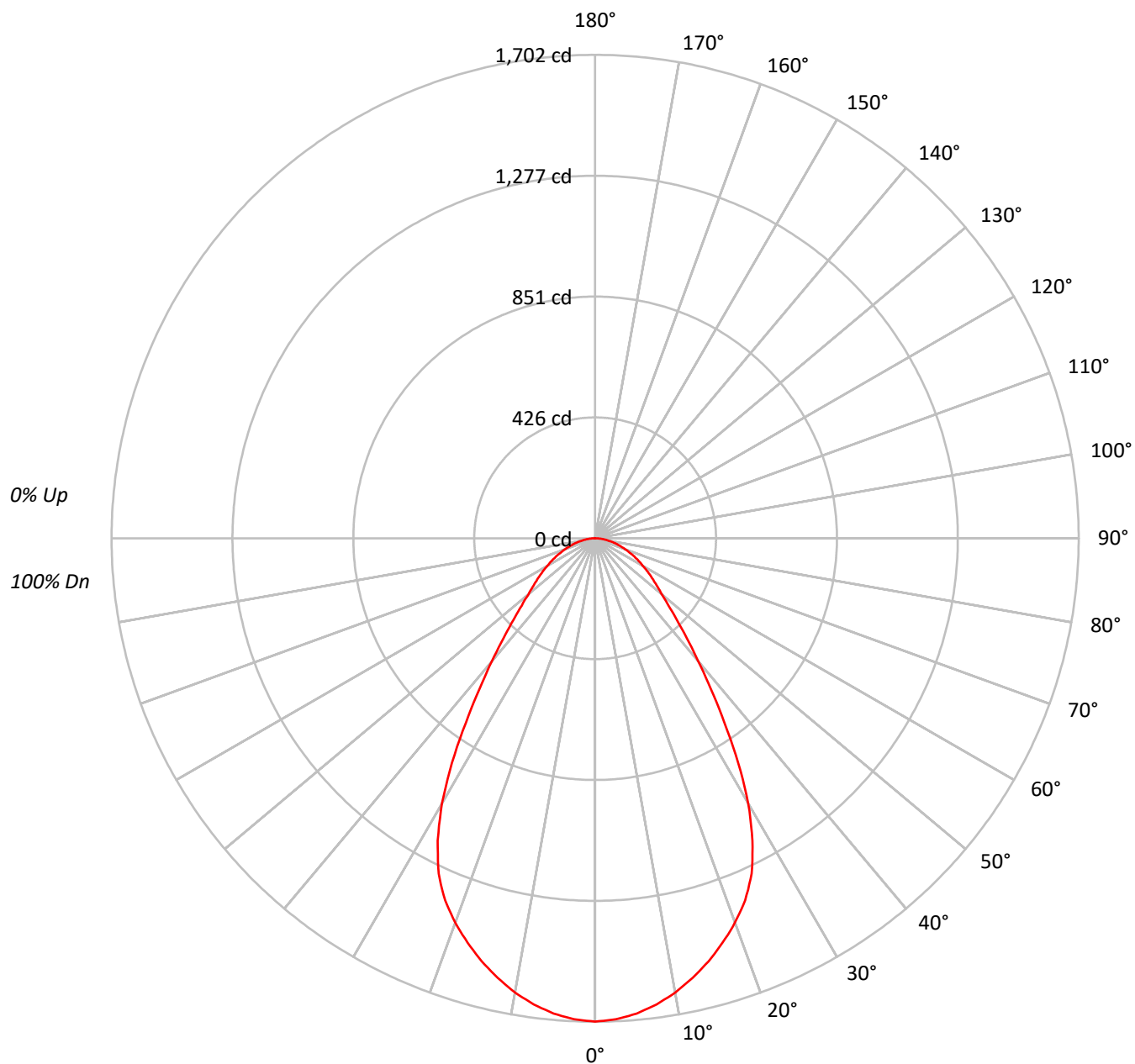
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
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	87	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°	111020
5°	109997
10°	107579
15°	104157
20°	99955
25°	93833
30°	81194
35°	63221
40°	48050
45°	37459
50°	31068
55°	27879
60°	25392
65°	23418
70°	21517
75°	19939
80°	18034
85°	16468



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	6.4
10°-20°	433.3	17.5
20°-30°	590.1	23.8
30°-40°	499.4	20.1
40°-50°	320.4	12.9
50°-60°	220.4	8.9
60°-70°	150.6	6.1
70°-80°	83.8	3.4
80°-90°	24.5	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°	1182.0	47.6
0°-40°	1681.3	67.8
0°-60°	2222.1	89.6
0°-90°	2481.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2481.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1702	
5°	1680	159
15°	1542	433
25°	1304	590
35°	794	499
45°	406	320
55°	245	220
65°	152	151
75°	79	84
85°	22	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1701.7
2.5°	1695.2
5°	1679.6
7.5°	1655.0
10°	1623.9
12.5°	1584.9
15°	1542.1
17.5°	1492.9
20°	1439.7
22.5°	1380.0
25°	1303.5
27.5°	1199.7
30°	1077.8
32.5°	937.7
35°	793.8
37.5°	668.0
40°	564.2
42.5°	477.3
45°	406.0
47.5°	350.2
50°	306.1
52.5°	272.4
55°	245.1
57.5°	219.2
60°	194.6
62.5°	172.5
65°	151.7
67.5°	131.0
70°	112.8
72.5°	94.7
75°	79.1
77.5°	63.6
80°	48.0
82.5°	35.0
85°	22.0
87.5°	9.1
90°	0.0



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— 0°-180°







(END OF REPORT)