

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: P252782

Luminaire Tested: **LD6B20D010 EU6B10208050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252782
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 EU6B10208050 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2685.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

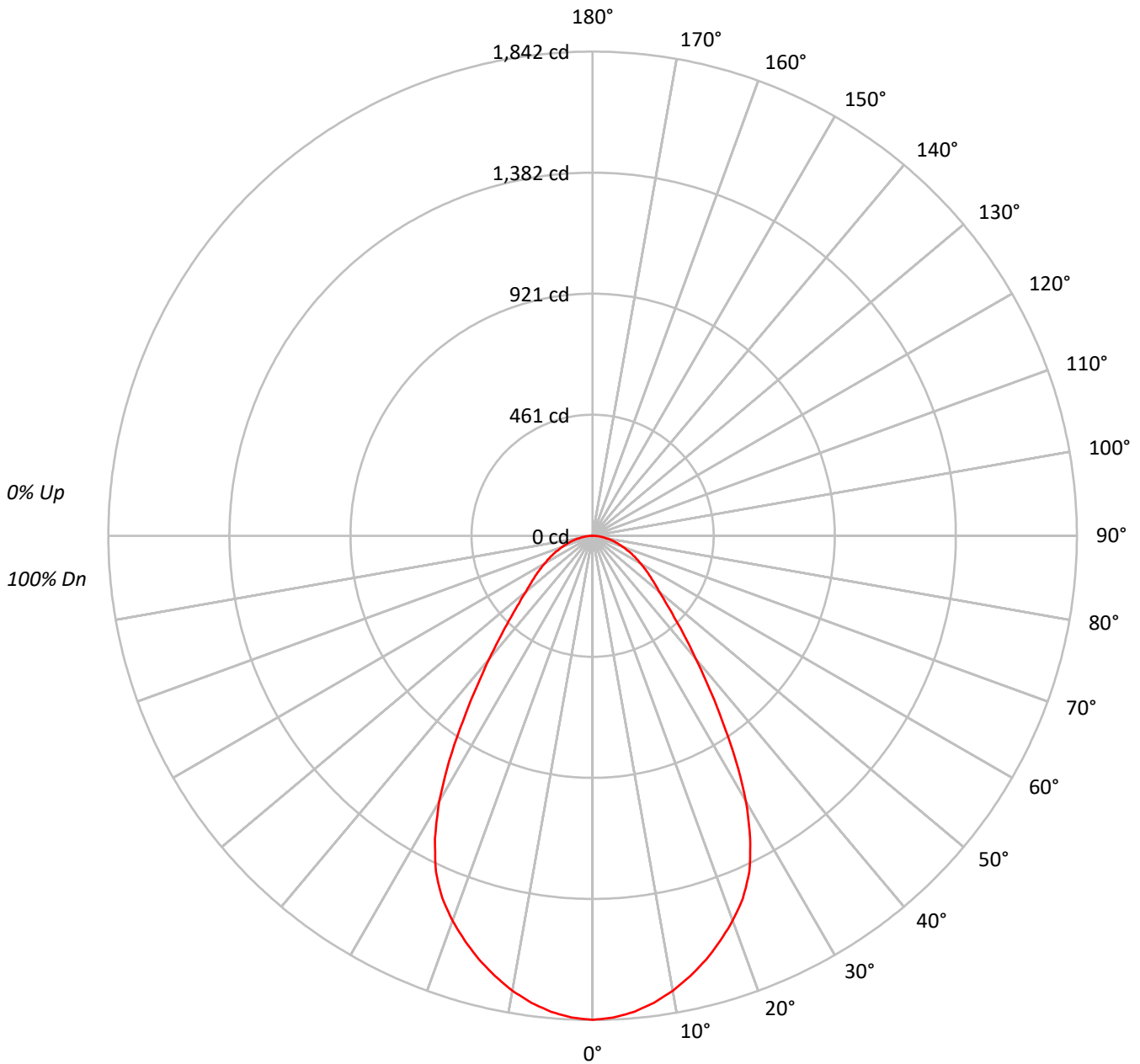
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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	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°	120147
5°	119041
10°	116423
15°	112721
20°	108175
25°	101549
30°	87869
35°	68414
40°	52002
45°	40532
50°	33626
55°	30176
60°	27466
65°	25348
70°	23291
75°	21577
80°	19499
85°	17890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.6	6.4
10°-20°	468.9	17.5
20°-30°	638.7	23.8
30°-40°	540.4	20.1
40°-50°	346.7	12.9
50°-60°	238.6	8.9
60°-70°	163.0	6.1
70°-80°	90.7	3.4
80°-90°	26.5	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°	1279.1	47.6
0°-40°	1819.6	67.8
0°-60°	2404.8	89.6
0°-90°	2685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2685.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1842	
5°	1818	172
15°	1669	469
25°	1411	639
35°	859	540
45°	439	347
55°	265	239
65°	164	163
75°	86	91
85°	24	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1841.6
2.5°	1834.6
5°	1817.7
7.5°	1791.1
10°	1757.4
12.5°	1715.3
15°	1668.9
17.5°	1615.6
20°	1558.1
22.5°	1493.5
25°	1410.7
27.5°	1298.4
30°	1166.4
32.5°	1014.8
35°	859.0
37.5°	722.9
40°	610.6
42.5°	516.5
45°	439.3
47.5°	379.0
50°	331.3
52.5°	294.8
55°	265.3
57.5°	237.2
60°	210.5
62.5°	186.7
65°	164.2
67.5°	141.8
70°	122.1
72.5°	102.5
75°	85.6
77.5°	68.8
80°	51.9
82.5°	37.9
85°	23.9
87.5°	9.8
90°	0.0



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— 0°-180°







(END OF REPORT)