

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: P252780

Luminaire Tested: **LD6B20D010 EU6B10208035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252780
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 EU6B10208035 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2657.0 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

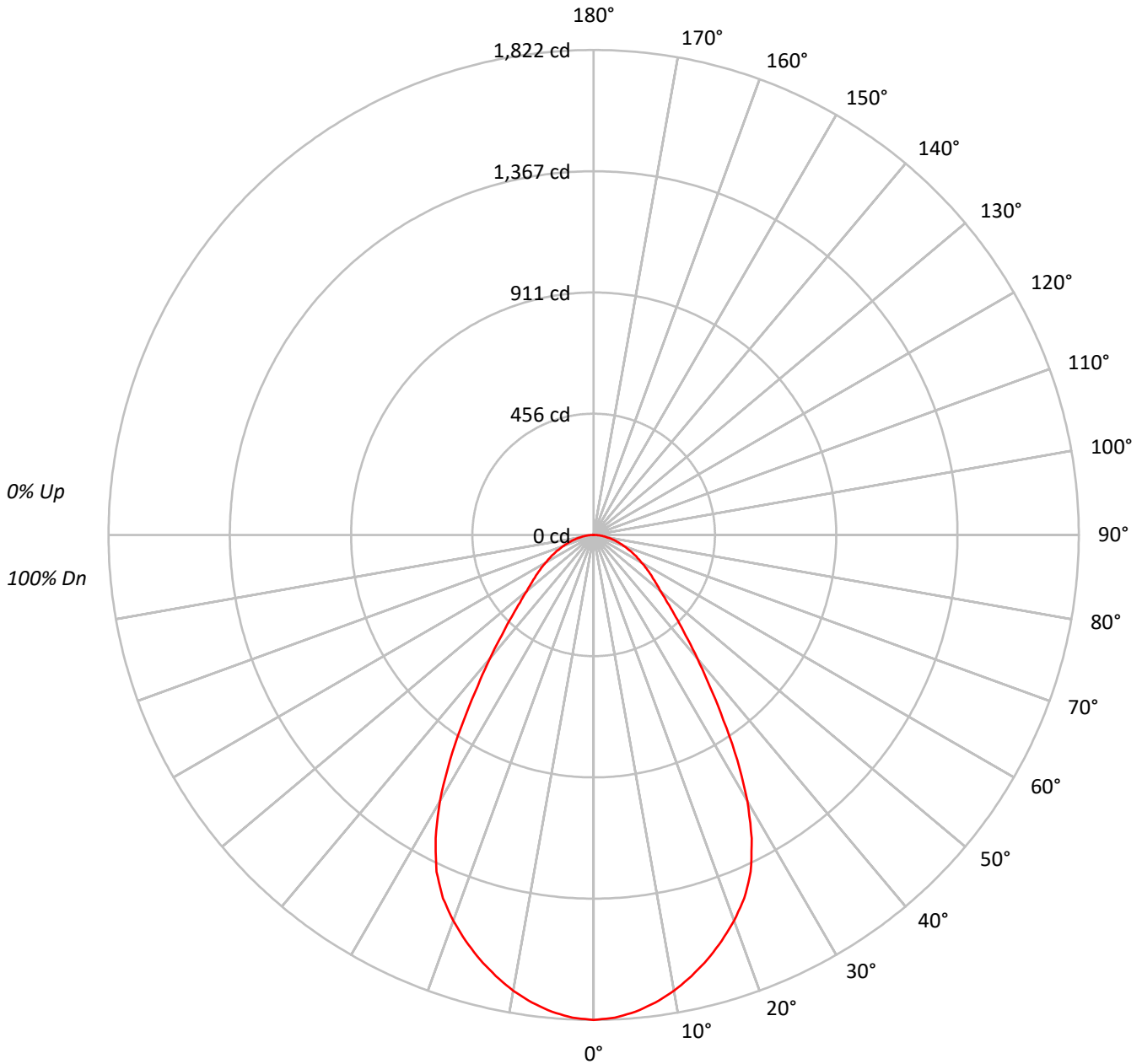
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	118895
5°	117803
10°	115204
15°	111546
20°	107044
25°	100491
30°	86957
35°	67705
40°	51457
45°	40116
50°	33271
55°	29858
60°	27192
65°	25086
70°	23043
75°	21350
80°	19311
85°	17666



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.8	6.4
10°-20°	464.0	17.5
20°-30°	632.0	23.8
30°-40°	534.8	20.1
40°-50°	343.1	12.9
50°-60°	236.1	8.9
60°-70°	161.3	6.1
70°-80°	89.7	3.4
80°-90°	26.3	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°	1265.8	47.6
0°-40°	1800.6	67.8
0°-60°	2379.7	89.6
0°-90°	2657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2657.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1822	
5°	1799	170
15°	1652	464
25°	1396	632
35°	850	535
45°	435	343
55°	262	236
65°	162	161
75°	85	90
85°	24	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1822.4
2.5°	1815.4
5°	1798.8
7.5°	1772.4
10°	1739.0
12.5°	1697.4
15°	1651.5
17.5°	1598.8
20°	1541.8
22.5°	1477.9
25°	1396.0
27.5°	1284.8
30°	1154.3
32.5°	1004.3
35°	850.1
37.5°	715.3
40°	604.2
42.5°	511.2
45°	434.8
47.5°	375.0
50°	327.8
52.5°	291.7
55°	262.5
57.5°	234.7
60°	208.4
62.5°	184.7
65°	162.5
67.5°	140.3
70°	120.8
72.5°	101.4
75°	84.7
77.5°	68.1
80°	51.4
82.5°	37.5
85°	23.6
87.5°	9.7
90°	0.0



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— 0°-180°







(END OF REPORT)