

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: P252785

Luminaire Tested: **LD6B20D010 EU6B10209030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252785
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 EU6B10209030 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2215.0 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

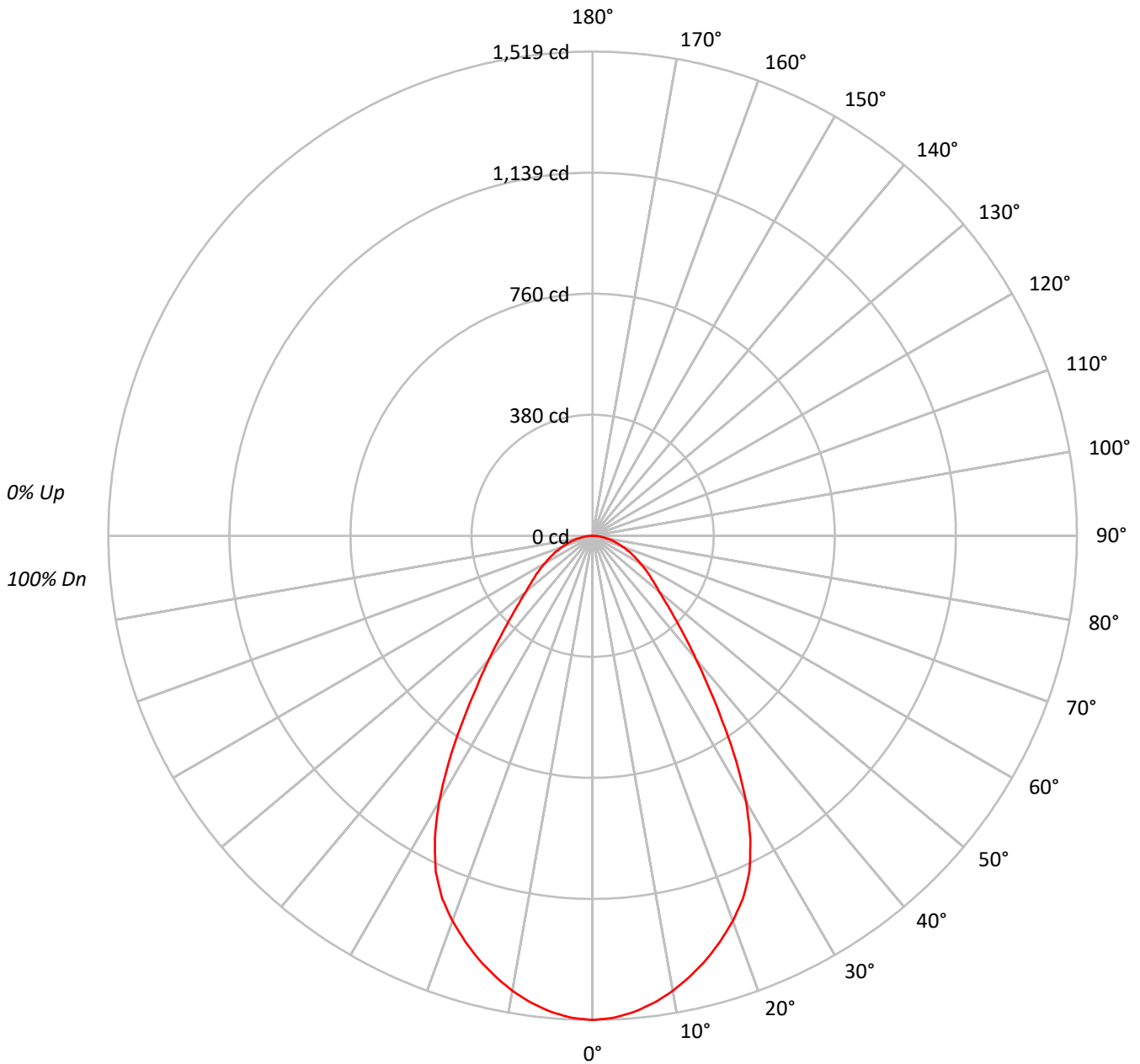
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	99114
5°	98202
10°	96038
15°	92992
20°	89235
25°	83769
30°	72493
35°	56444
40°	42898
45°	33437
50°	27739
55°	24898
60°	22665
65°	20917
70°	19209
75°	17796
80°	16080
85°	14746



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.5	6.4
10°-20°	386.8	17.5
20°-30°	526.9	23.8
30°-40°	445.8	20.1
40°-50°	286.0	12.9
50°-60°	196.8	8.9
60°-70°	134.5	6.1
70°-80°	74.8	3.4
80°-90°	21.9	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°	1055.2	47.6
0°-40°	1501.0	67.8
0°-60°	1983.9	89.6
0°-90°	2215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2215.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1519	
5°	1500	142
15°	1377	387
25°	1164	527
35°	709	446
45°	362	286
55°	219	197
65°	136	134
75°	71	75
85°	20	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1519.2
2.5°	1513.4
5°	1499.5
7.5°	1477.5
10°	1449.7
12.5°	1415.0
15°	1376.8
17.5°	1332.8
20°	1285.3
22.5°	1232.1
25°	1163.7
27.5°	1071.1
30°	962.3
32.5°	837.2
35°	708.7
37.5°	596.3
40°	503.7
42.5°	426.1
45°	362.4
47.5°	312.6
50°	273.3
52.5°	243.2
55°	218.9
57.5°	195.7
60°	173.7
62.5°	154.0
65°	135.5
67.5°	117.0
70°	100.7
72.5°	84.5
75°	70.6
77.5°	56.7
80°	42.8
82.5°	31.3
85°	19.7
87.5°	8.1
90°	0.0



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— 0°-180°







(END OF REPORT)