

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: P252788

Luminaire Tested: **LD6B20D010 EU6B10209050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252788
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 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: 2260.0 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

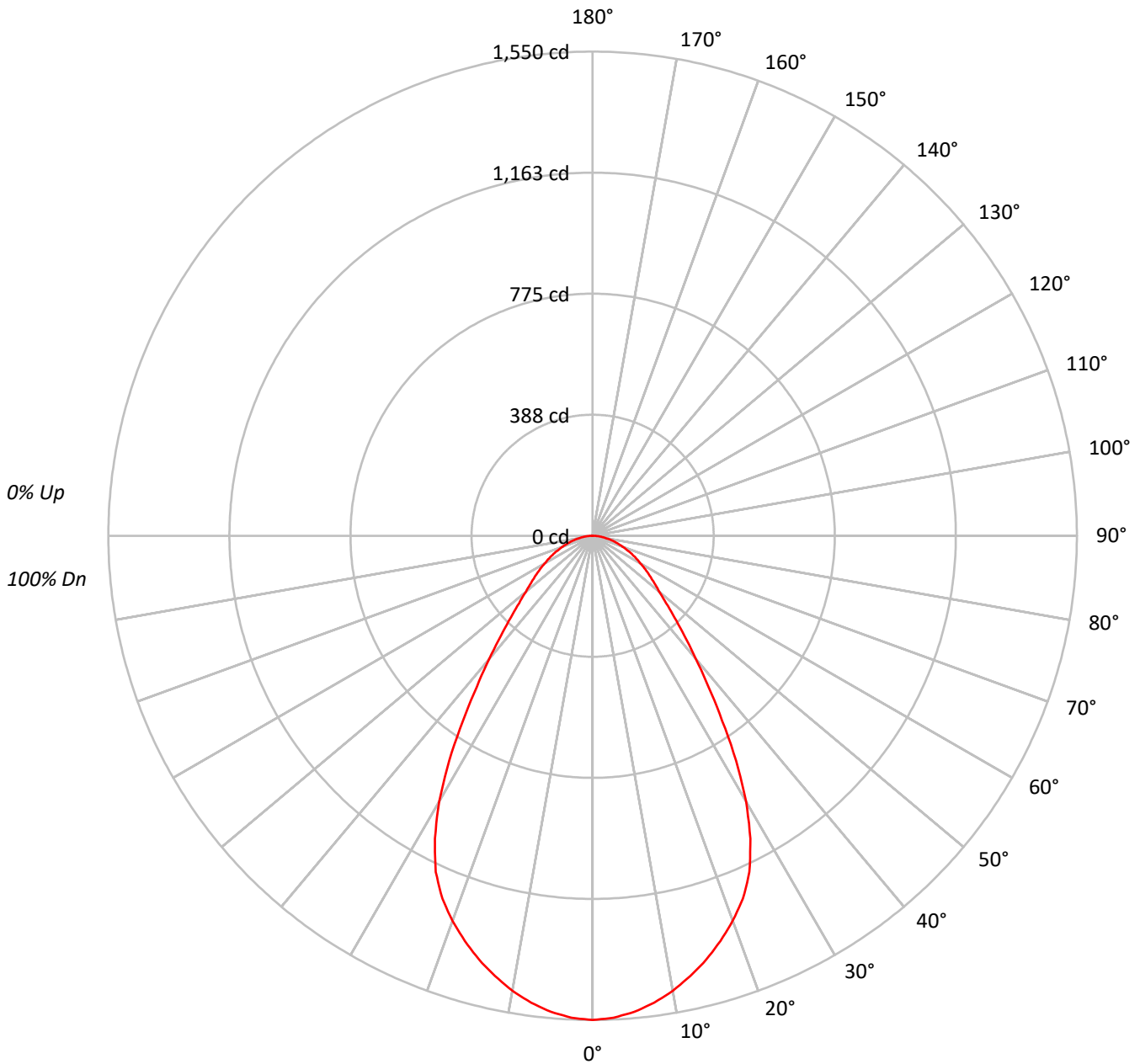
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	101129
5°	100199
10°	97993
15°	94883
20°	91047
25°	85475
30°	73962
35°	57591
40°	43767
45°	34119
50°	28297
55°	25399
60°	23121
65°	21334
70°	19609
75°	18174
80°	16418
85°	15046



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.4	6.4
10°-20°	394.7	17.5
20°-30°	537.6	23.8
30°-40°	454.9	20.1
40°-50°	291.8	12.9
50°-60°	200.8	8.9
60°-70°	137.2	6.1
70°-80°	76.3	3.4
80°-90°	22.3	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°	1076.7	47.6
0°-40°	1531.6	67.8
0°-60°	2024.2	89.6
0°-90°	2260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2260.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1550	
5°	1530	144
15°	1405	395
25°	1187	538
35°	723	455
45°	370	292
55°	223	201
65°	138	137
75°	72	76
85°	20	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1550.1
2.5°	1544.2
5°	1530.0
7.5°	1507.6
10°	1479.2
12.5°	1443.8
15°	1404.8
17.5°	1359.9
20°	1311.4
22.5°	1257.1
25°	1187.4
27.5°	1092.9
30°	981.8
32.5°	854.2
35°	723.1
37.5°	608.5
40°	513.9
42.5°	434.8
45°	369.8
47.5°	319.0
50°	278.8
52.5°	248.1
55°	223.3
57.5°	199.7
60°	177.2
62.5°	157.1
65°	138.2
67.5°	119.3
70°	102.8
72.5°	86.2
75°	72.1
77.5°	57.9
80°	43.7
82.5°	31.9
85°	20.1
87.5°	8.3
90°	0.0



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— 0°-180°







(END OF REPORT)