

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: P252795

Luminaire Tested: **LD6B30D010 EU6B30508050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252795
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: LD6B30D010 EU6B30508050 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: 3892.0 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

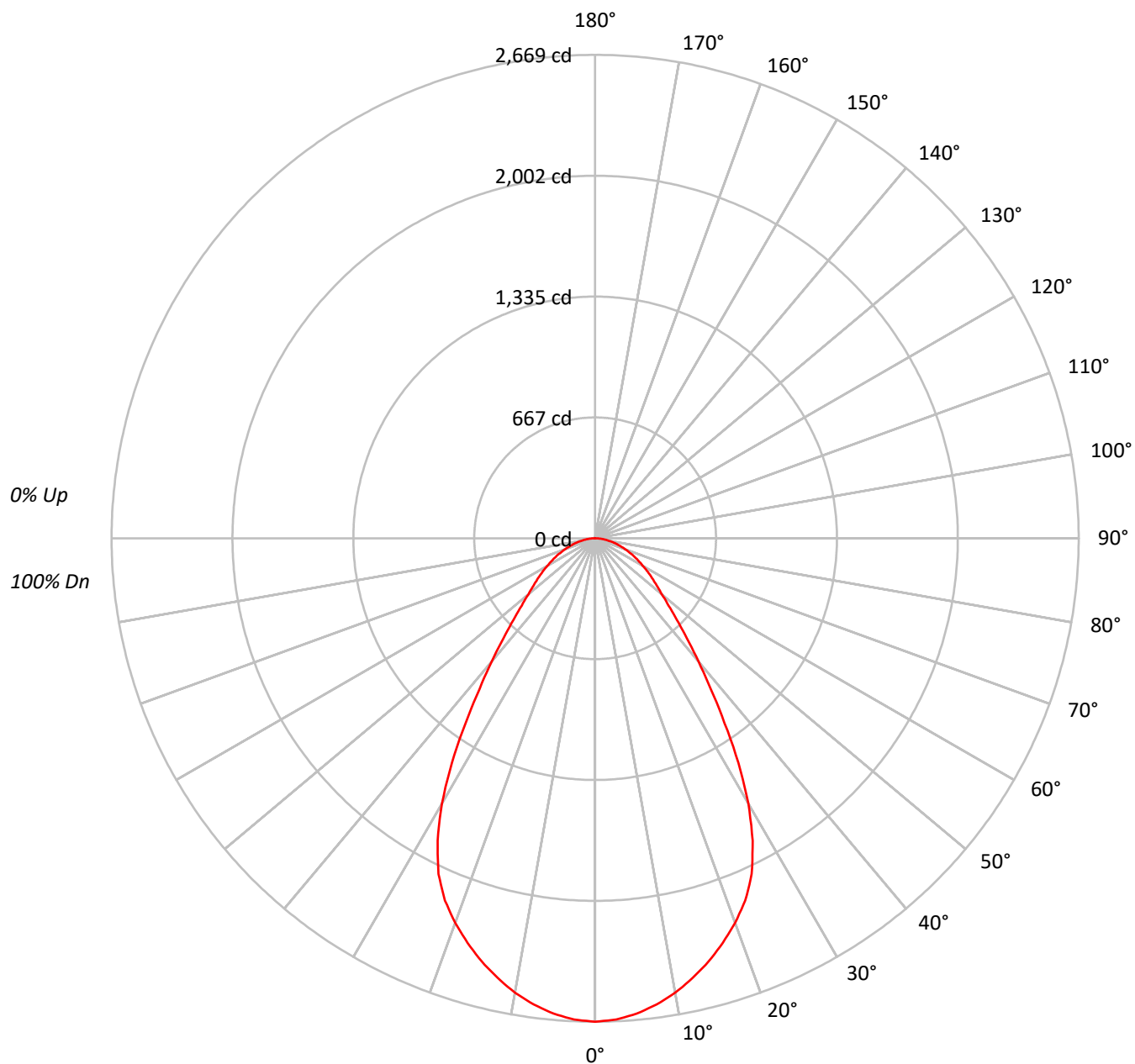
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	97	91	87	101	95	90	86	91	87	84		88	85	82		85
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	90	80	72	67	87	78	72	66	76	70	66		74	69	65		72
5	84	73	65	60	82	72	65	60	70	64	59		68	63	58		66
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	174153
5°	172559
10°	168758
15°	163398
20°	156802
25°	147195
30°	127374
35°	99173
40°	75380
45°	58754
50°	48739
55°	43734
60°	39823
65°	36756
70°	33763
75°	31282
80°	28291
85°	25900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.7	6.4
10°-20°	679.7	17.5
20°-30°	925.7	23.8
30°-40°	783.3	20.1
40°-50°	502.5	12.9
50°-60°	345.8	8.9
60°-70°	236.2	6.1
70°-80°	131.4	3.4
80°-90°	38.5	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°	1854.2	47.6
0°-40°	2637.5	67.8
0°-60°	3485.8	89.6
0°-90°	3892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3892.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2669	
5°	2635	249
15°	2419	680
25°	2045	926
35°	1245	783
45°	637	503
55°	384	346
65°	238	236
75°	124	131
85°	35	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2669.4
2.5°	2659.3
5°	2634.9
7.5°	2596.2
10°	2547.4
12.5°	2486.3
15°	2419.2
17.5°	2341.9
20°	2258.5
22.5°	2164.9
25°	2044.8
27.5°	1882.0
30°	1690.8
32.5°	1471.0
35°	1245.2
37.5°	1047.8
40°	885.1
42.5°	748.7
45°	636.8
47.5°	549.4
50°	480.2
52.5°	427.3
55°	384.5
57.5°	343.9
60°	305.2
62.5°	270.6
65°	238.1
67.5°	205.5
70°	177.0
72.5°	148.5
75°	124.1
77.5°	99.7
80°	75.3
82.5°	54.9
85°	34.6
87.5°	14.2
90°	0.0



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— 0°-180°







(END OF REPORT)