

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: P252832

Luminaire Tested: **LD6B60D010TE EU6B60708035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252832
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: LD6B60D010TE EU6B60708035 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: 7793.0 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

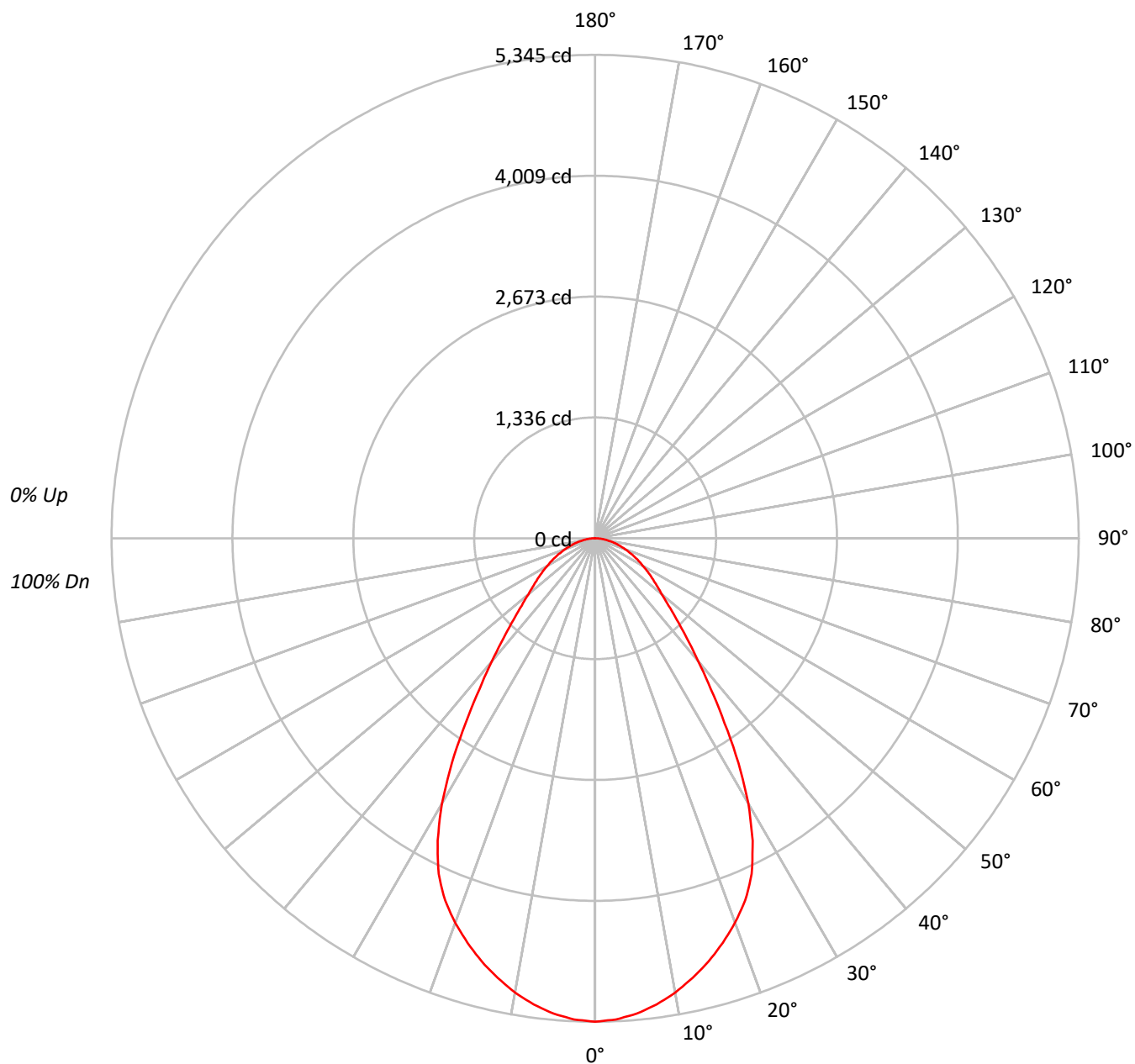
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	97	91	87		101	95	90	86		91	87	84		88	85	82		85	83	80
3	96	87	81	76		94	86	80	75		83	78	74		81	76	72		78	74	71
4	90	80	72	67		87	78	72	66		76	70	66		74	69	65		72	68	64
5	84	73	65	60		82	72	65	60		70	64	59		68	63	58		66	62	58
6	78	67	60	54		77	66	59	54		65	58	54		63	57	53		62	57	53
7	74	62	55	49		72	61	54	49		60	53	49		59	53	49		57	52	48
8	69	58	50	45		68	57	50	45		56	49	45		55	49	45		53	48	44
9	65	54	46	42		64	53	46	42		52	46	41		51	45	41		50	45	41
10	62	50	43	39		61	50	43	39		49	43	38		48	42	38		47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	348718
5°	345511
10°	337900
15°	327174
20°	313959
25°	294736
30°	255041
35°	198577
40°	150930
45°	117655
50°	97589
55°	87583
60°	79737
65°	73589
70°	67602
75°	62640
80°	56619
85°	51875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.0	6.4
10°-20°	1361.0	17.5
20°-30°	1853.6	23.8
30°-40°	1568.5	20.1
40°-50°	1006.2	12.9
50°-60°	692.4	8.9
60°-70°	473.0	6.1
70°-80°	263.2	3.4
80°-90°	77.0	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°	3712.6	47.6
0°-40°	5281.1	67.8
0°-60°	6979.8	89.6
0°-90°	7793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7793.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5345	
5°	5276	498
15°	4844	1361
25°	4094	1854
35°	2493	1569
45°	1275	1006
55°	770	692
65°	477	473
75°	248	263
85°	69	77
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5345.1
2.5°	5324.7
5°	5275.8
7.5°	5198.4
10°	5100.6
12.5°	4978.4
15°	4844.0
17.5°	4689.2
20°	4522.1
22.5°	4334.7
25°	4094.4
27.5°	3768.4
30°	3385.5
32.5°	2945.5
35°	2493.3
37.5°	2098.1
40°	1772.2
42.5°	1499.2
45°	1275.2
47.5°	1100.0
50°	961.5
52.5°	855.5
55°	770.0
57.5°	688.5
60°	611.1
62.5°	541.8
65°	476.7
67.5°	411.5
70°	354.4
72.5°	297.4
75°	248.5
77.5°	199.6
80°	150.7
82.5°	110.0
85°	69.3
87.5°	28.5
90°	0.0



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— 0°-180°







(END OF REPORT)