

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: P252840

Luminaire Tested: **LD6B60D010TE EU6B60709050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252840
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 EU6B60709050 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: 6622.0 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

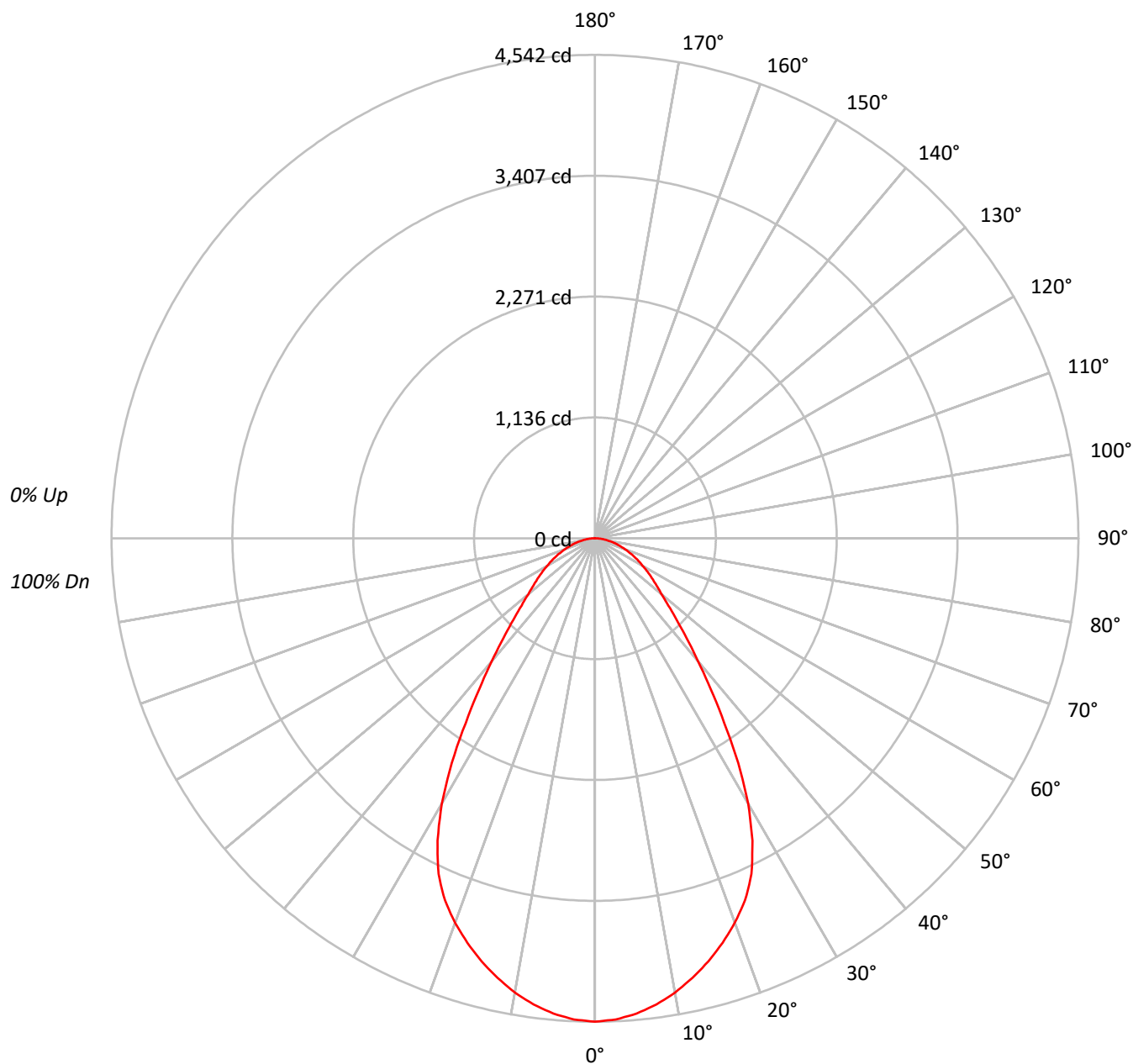
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	296316
5°	293597
10°	287128
15°	278010
20°	266783
25°	250443
30°	216719
35°	168734
40°	128251
45°	99968
50°	82923
55°	74422
60°	67759
65°	62521
70°	57454
75°	53237
80°	48128
85°	44090



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.2	6.4
10°-20°	1156.5	17.5
20°-30°	1575.1	23.8
30°-40°	1332.8	20.1
40°-50°	855.0	12.9
50°-60°	588.4	8.9
60°-70°	401.9	6.1
70°-80°	223.7	3.4
80°-90°	65.5	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°	3154.7	47.6
0°-40°	4487.5	67.8
0°-60°	5930.9	89.6
0°-90°	6622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6622.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4542	
5°	4483	423
15°	4116	1156
25°	3479	1575
35°	2119	1333
45°	1084	855
55°	654	588
65°	405	402
75°	211	224
85°	59	65
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4541.9
2.5°	4524.6
5°	4483.1
7.5°	4417.3
10°	4334.2
12.5°	4230.3
15°	4116.1
17.5°	3984.6
20°	3842.6
22.5°	3683.4
25°	3479.1
27.5°	3202.2
30°	2876.8
32.5°	2502.9
35°	2118.6
37.5°	1782.8
40°	1505.9
42.5°	1273.9
45°	1083.5
47.5°	934.7
50°	817.0
52.5°	727.0
55°	654.3
57.5°	585.0
60°	519.3
62.5°	460.4
65°	405.0
67.5°	349.6
70°	301.2
72.5°	252.7
75°	211.2
77.5°	169.6
80°	128.1
82.5°	93.5
85°	58.9
87.5°	24.2
90°	0.0



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— 0°-180°







(END OF REPORT)