

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: P252826

Luminaire Tested: **LD6B50D010TE EU6B30509040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252826
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: LD6B50D010TE EU6B30509040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5900.9 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

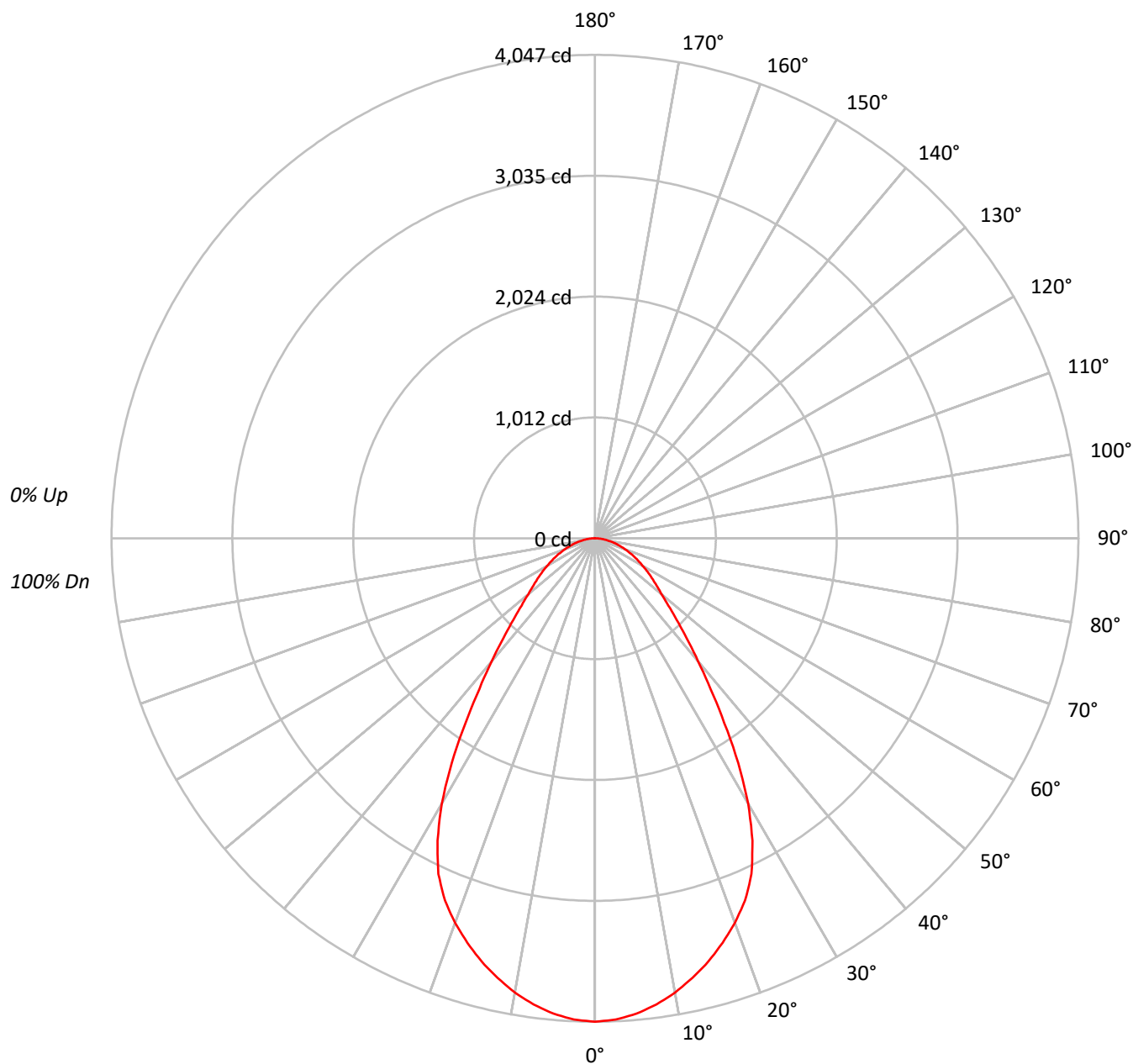
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	264055
5°	261625
10°	255866
15°	247738
20°	237734
25°	223175
30°	193117
35°	150368
40°	114284
45°	89090
50°	73889
55°	66312
60°	60374
65°	55713
70°	51198
75°	47440
80°	42868
85°	39224



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.1	6.4
10°-20°	1030.6	17.5
20°-30°	1403.6	23.8
30°-40°	1187.7	20.1
40°-50°	761.9	12.9
50°-60°	524.3	8.9
60°-70°	358.2	6.1
70°-80°	199.3	3.4
80°-90°	58.3	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°	2811.2	47.6
0°-40°	3998.9	67.8
0°-60°	5285.1	89.6
0°-90°	5900.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5900.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4047	
5°	3995	377
15°	3668	1031
25°	3100	1404
35°	1888	1188
45°	966	762
55°	583	524
65°	361	358
75°	188	199
85°	52	58
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4047.4
2.5°	4032.0
5°	3994.9
7.5°	3936.3
10°	3862.3
12.5°	3769.7
15°	3667.9
17.5°	3550.7
20°	3424.2
22.5°	3282.3
25°	3100.3
27.5°	2853.5
30°	2563.5
32.5°	2230.4
35°	1888.0
37.5°	1588.7
40°	1341.9
42.5°	1135.2
45°	965.6
47.5°	832.9
50°	728.0
52.5°	647.8
55°	583.0
57.5°	521.3
60°	462.7
62.5°	410.3
65°	360.9
67.5°	311.6
70°	268.4
72.5°	225.2
75°	188.2
77.5°	151.2
80°	114.1
82.5°	83.3
85°	52.4
87.5°	21.6
90°	0.0



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— 0°-180°







(END OF REPORT)