

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: P252819

Luminaire Tested: **LD6B50D010TE EU6B30508035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252819
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 EU6B30508035 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: 6975.0 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

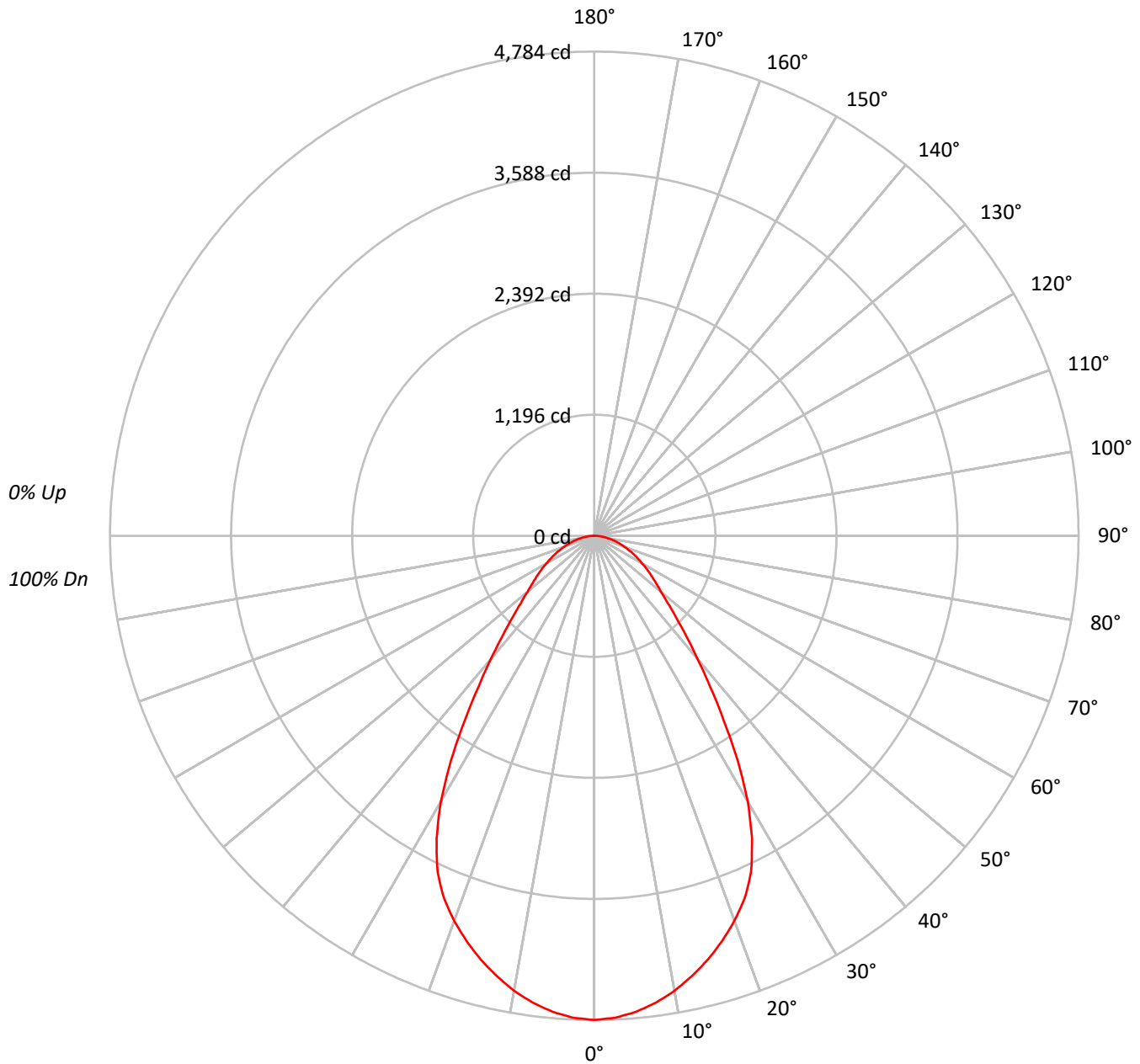
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	312111
5°	309243
10°	302431
15°	292829
20°	281008
25°	263796
30°	228268
35°	177734
40°	135090
45°	105301
50°	87338
55°	78392
60°	71373
65°	65855
70°	60506
75°	56060
80°	50683
85°	46410



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.7	6.4
10°-20°	1218.1	17.5
20°-30°	1659.1	23.8
30°-40°	1403.9	20.1
40°-50°	900.6	12.9
50°-60°	619.7	8.9
60°-70°	423.4	6.1
70°-80°	235.6	3.4
80°-90°	68.9	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°	3322.9	47.6
0°-40°	4726.8	67.8
0°-60°	6247.1	89.6
0°-90°	6975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6975.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4784	
5°	4722	446
15°	4336	1218
25°	3665	1659
35°	2232	1404
45°	1141	901
55°	689	620
65°	427	423
75°	222	236
85°	62	69
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4784.0
2.5°	4765.8
5°	4722.0
7.5°	4652.8
10°	4565.2
12.5°	4455.8
15°	4335.5
17.5°	4197.0
20°	4047.5
22.5°	3879.7
25°	3664.6
27.5°	3372.9
30°	3030.1
32.5°	2636.3
35°	2231.6
37.5°	1877.9
40°	1586.2
42.5°	1341.9
45°	1141.3
47.5°	984.5
50°	860.5
52.5°	765.7
55°	689.2
57.5°	616.2
60°	547.0
62.5°	485.0
65°	426.6
67.5°	368.3
70°	317.2
72.5°	266.2
75°	222.4
77.5°	178.7
80°	134.9
82.5°	98.5
85°	62.0
87.5°	25.5
90°	0.0



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— 0°-180°







(END OF REPORT)