

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: P252818

Luminaire Tested: **LD6B50D010TE EU6B30508030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252818
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 EU6B30508030 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6800.0 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

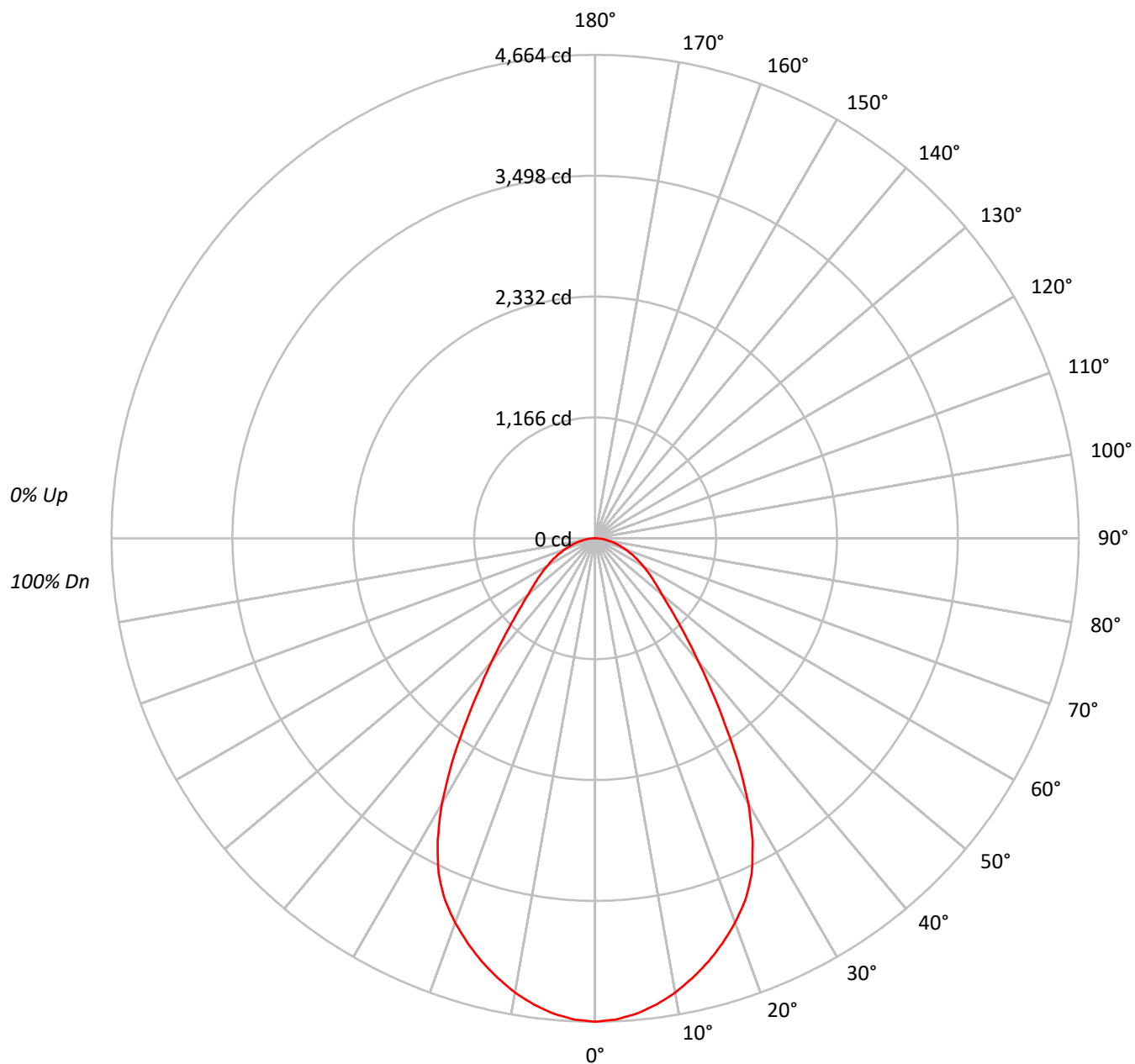
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	304282
5°	301489
10°	294846
15°	285480
20°	273954
25°	257174
30°	222542
35°	173274
40°	131700
45°	102662
50°	85145
55°	76424
60°	69573
65°	64204
70°	58999
75°	54649
80°	49405
85°	45213



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.5	6.4
10°-20°	1187.6	17.5
20°-30°	1617.4	23.8
30°-40°	1368.7	20.1
40°-50°	878.0	12.9
50°-60°	604.2	8.9
60°-70°	412.7	6.1
70°-80°	229.7	3.4
80°-90°	67.2	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°	3239.5	47.6
0°-40°	4608.2	67.8
0°-60°	6090.4	89.6
0°-90°	6800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6800.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4664	
5°	4604	435
15°	4227	1188
25°	3573	1617
35°	2176	1369
45°	1113	878
55°	672	604
65°	416	413
75°	217	230
85°	60	67
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4664.0
2.5°	4646.2
5°	4603.6
7.5°	4536.0
10°	4450.7
12.5°	4344.1
15°	4226.7
17.5°	4091.7
20°	3945.9
22.5°	3782.4
25°	3572.6
27.5°	3288.3
30°	2954.1
32.5°	2570.2
35°	2175.6
37.5°	1830.8
40°	1546.4
42.5°	1308.2
45°	1112.7
47.5°	959.8
50°	838.9
52.5°	746.5
55°	671.9
57.5°	600.8
60°	533.2
62.5°	472.8
65°	415.9
67.5°	359.0
70°	309.3
72.5°	259.5
75°	216.8
77.5°	174.2
80°	131.5
82.5°	96.0
85°	60.4
87.5°	24.9
90°	0.0



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— 0°-180°







(END OF REPORT)