

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: P252789

Luminaire Tested: **LD6B20D010 EU6B10209727 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252789
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: LD6B20D010 EU6B10209727 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1852.0 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

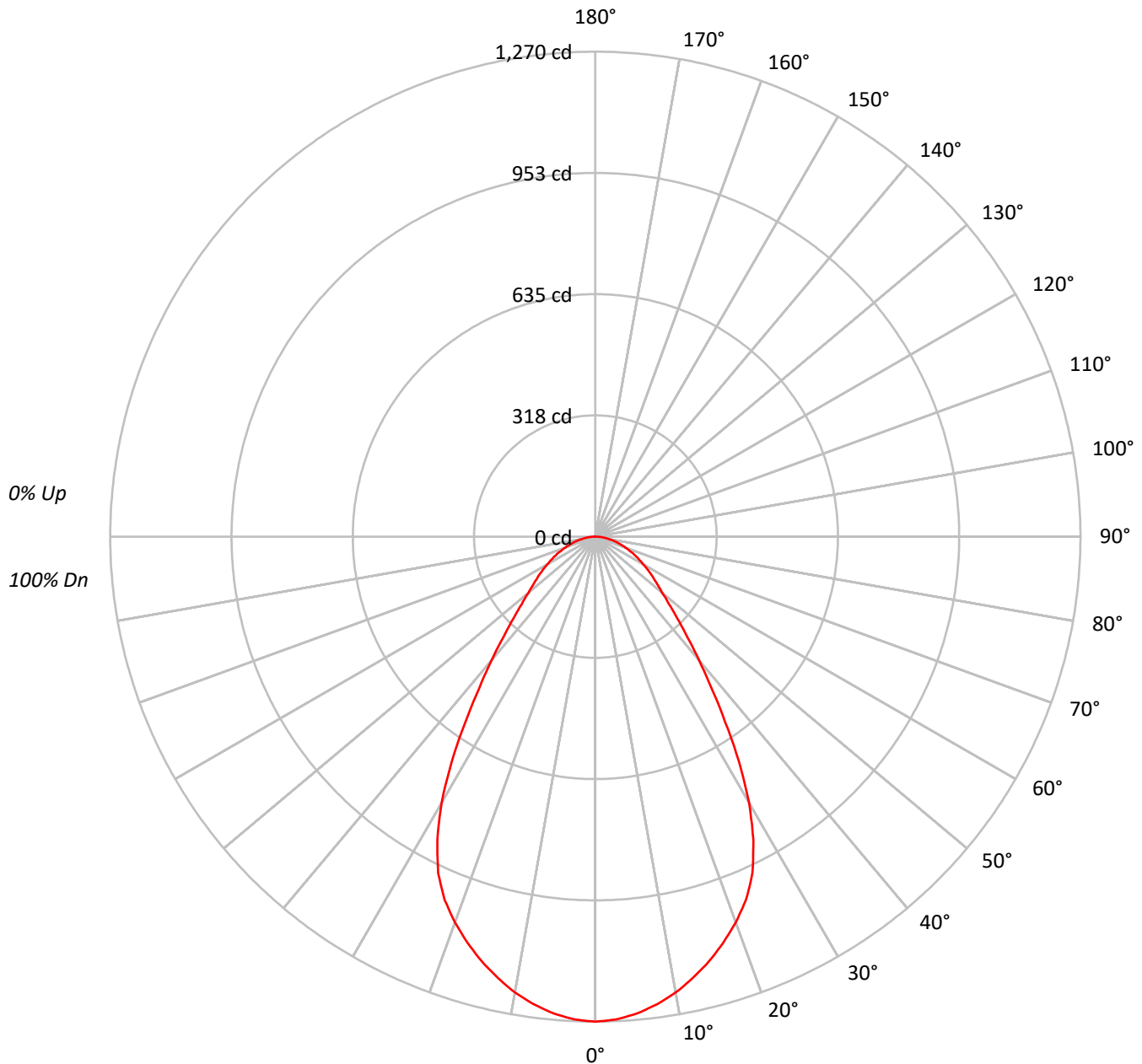
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252789

CATALOG NUMBER: LD6B20D010 EU6B10209727 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252789

CATALOG NUMBER: LD6B20D010 EU6B10209727 6LBBA1MW

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°	82875
5°	82111
10°	80305
15°	77754
20°	74614
25°	70041
30°	60613
35°	47189
40°	35872
45°	27956
50°	23192
55°	20815
60°	18946
65°	17490
70°	16061
75°	14897
80°	13450
85°	12351



TEST NUMBER: P252789

CATALOG NUMBER: LD6B20D010 EU6B10209727 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	6.4
10°-20°	323.4	17.5
20°-30°	440.5	23.8
30°-40°	372.8	20.1
40°-50°	239.1	12.9
50°-60°	164.5	8.9
60°-70°	112.4	6.1
70°-80°	62.5	3.4
80°-90°	18.3	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°	882.3	47.6
0°-40°	1255.1	67.8
0°-60°	1658.7	89.6
0°-90°	1852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1852.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1270	
5°	1254	118
15°	1151	323
25°	973	441
35°	592	373
45°	303	239
55°	183	165
65°	113	112
75°	59	63
85°	16	18
90°	0	



TEST NUMBER: P252789

CATALOG NUMBER: LD6B20D010 EU6B10209727 6LBBA1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1270.3
2.5°	1265.4
5°	1253.8
7.5°	1235.4
10°	1212.2
12.5°	1183.1
15°	1151.2
17.5°	1114.4
20°	1074.7
22.5°	1030.1
25°	973.0
27.5°	895.6
30°	804.6
32.5°	700.0
35°	592.5
37.5°	498.6
40°	421.2
42.5°	356.3
45°	303.0
47.5°	261.4
50°	228.5
52.5°	203.3
55°	183.0
57.5°	163.6
60°	145.2
62.5°	128.8
65°	113.3
67.5°	97.8
70°	84.2
72.5°	70.7
75°	59.1
77.5°	47.4
80°	35.8
82.5°	26.1
85°	16.5
87.5°	6.8
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)