

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: P204789

Luminaire Tested: **LD6B20D010 EU6B10209030 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B20D010 EU6B10209030 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1912.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

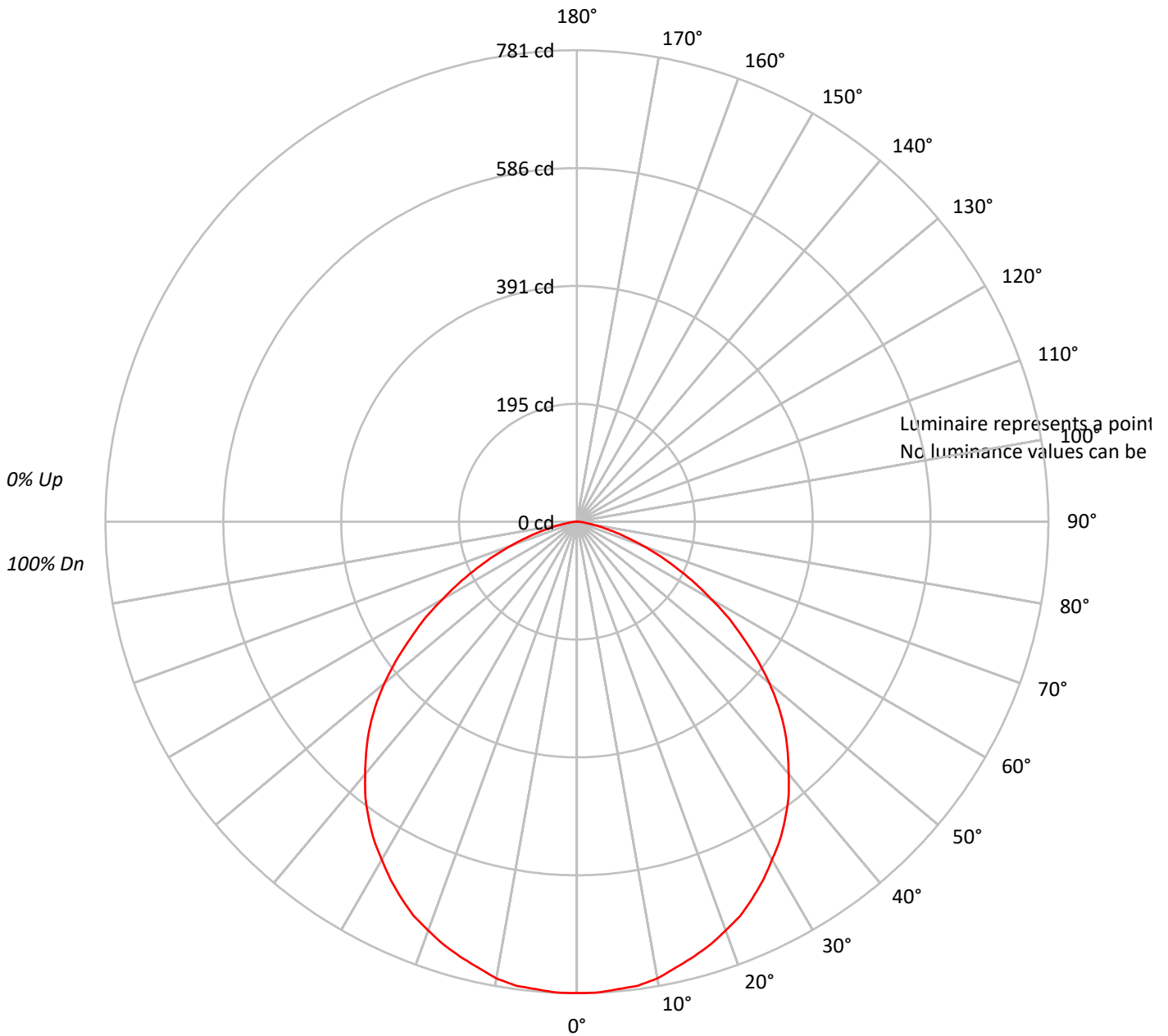
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204789

CATALOG NUMBER: LD6B20D010 EU6B10209030 6LBCSMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204789

CATALOG NUMBER: LD6B20D010 EU6B10209030 6LBCSMW1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204789

CATALOG NUMBER: LD6B20D010 EU6B10209030 6LBCSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	3.9
10°-20°	210.6	11.0
20°-30°	316.9	16.6
30°-40°	375.5	19.6
40°-50°	373.7	19.5
50°-60°	301.3	15.8
60°-70°	182.3	9.5
70°-80°	67.7	3.5
80°-90°	10.1	0.5
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°	601.5	31.5
0°-40°	977.1	51.1
0°-60°	1652.0	86.4
0°-90°	1912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1912.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	781	
5°	778	74
15°	746	211
25°	688	317
35°	601	376
45°	487	374
55°	336	301
65°	183	182
75°	61	68
85°	8	10
90°	0	



TEST NUMBER: P204789

CATALOG NUMBER: LD6B20D010 EU6B10209030 6LBCSMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	780.9
2.5°	780.9
5°	777.5
7.5°	775.2
10°	768.2
12.5°	756.6
15°	746.2
17.5°	734.6
20°	720.7
22.5°	706.8
25°	688.2
27.5°	668.6
30°	646.5
32.5°	625.7
35°	601.3
37.5°	575.9
40°	545.7
42.5°	516.8
45°	486.6
47.5°	453.0
50°	416.0
52.5°	377.7
55°	336.0
57.5°	298.9
60°	257.2
62.5°	220.1
65°	183.1
67.5°	148.3
70°	115.9
72.5°	86.9
75°	61.4
77.5°	39.4
80°	23.2
82.5°	13.9
85°	8.1
87.5°	3.5
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)