

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: P204794

Luminaire Tested: **LD6B20D010 EU6B10209730 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204794
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 EU6B10209730 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: 1671.0 lumens
Efficiency: N/A
Efficacy: 80.3 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

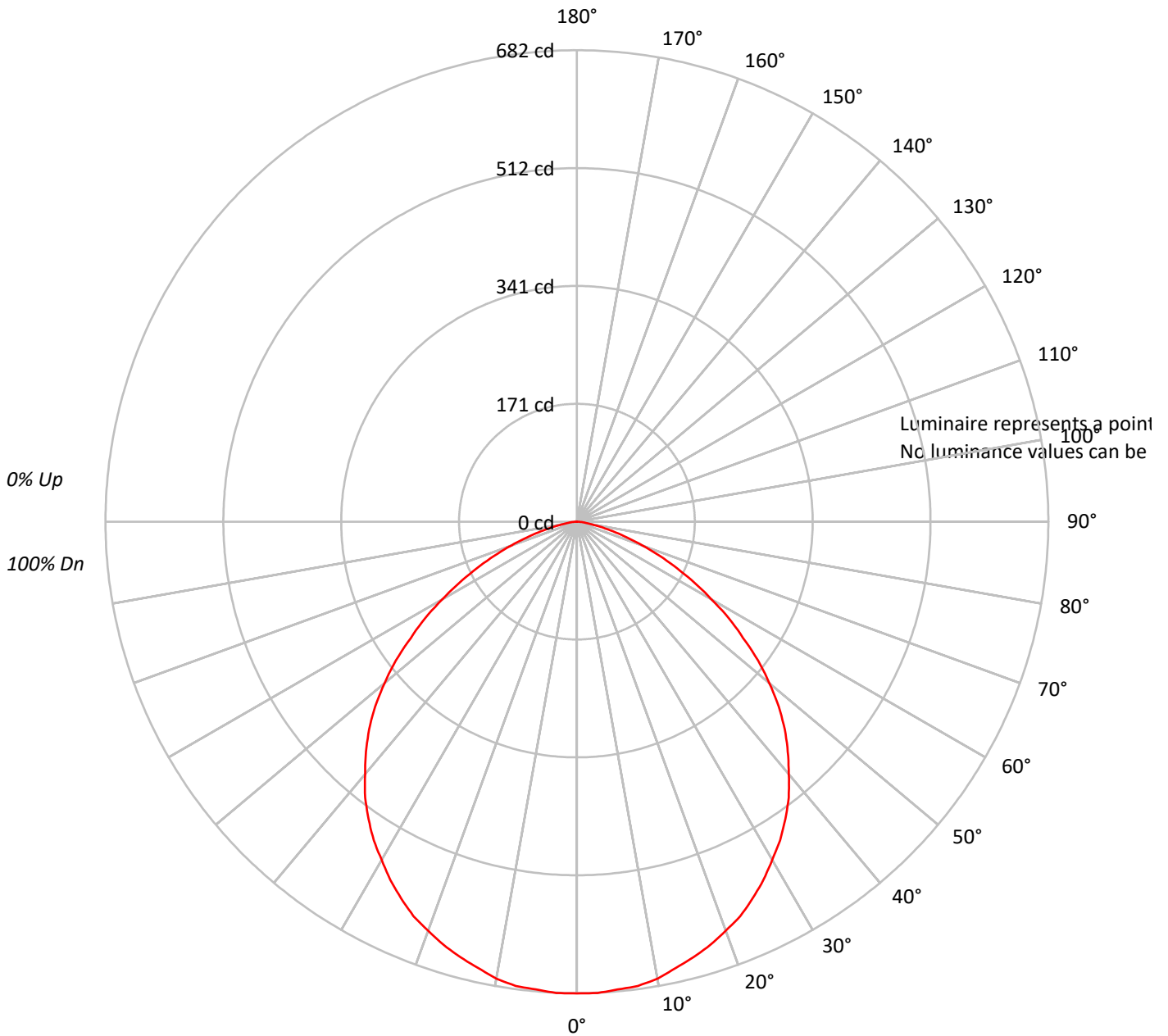
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204794

CATALOG NUMBER: LD6B20D010 EU6B10209730 6LBCSMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204794

CATALOG NUMBER: LD6B20D010 EU6B10209730 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: P204794

CATALOG NUMBER: LD6B20D010 EU6B10209730 6LBCSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	3.9
10°-20°	184.1	11.0
20°-30°	276.9	16.6
30°-40°	328.2	19.6
40°-50°	326.6	19.5
50°-60°	263.3	15.8
60°-70°	159.3	9.5
70°-80°	59.1	3.5
80°-90°	8.8	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°	525.7	31.5
0°-40°	853.9	51.1
0°-60°	1443.7	86.4
0°-90°	1671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1671.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	682	
5°	679	65
15°	652	184
25°	602	277
35°	526	328
45°	425	327
55°	294	263
65°	160	159
75°	54	59
85°	7	9
90°	0	



TEST NUMBER: P204794

CATALOG NUMBER: LD6B20D010 EU6B10209730 6LBCSMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	682.5
2.5°	682.5
5°	679.4
7.5°	677.4
10°	671.3
12.5°	661.2
15°	652.1
17.5°	642.0
20°	629.8
22.5°	617.7
25°	601.5
27.5°	584.3
30°	565.0
32.5°	546.8
35°	525.5
37.5°	503.2
40°	476.9
42.5°	451.6
45°	425.3
47.5°	395.9
50°	363.5
52.5°	330.1
55°	293.6
57.5°	261.2
60°	224.8
62.5°	192.4
65°	160.0
67.5°	129.6
70°	101.3
72.5°	75.9
75°	53.7
77.5°	34.4
80°	20.3
82.5°	12.2
85°	7.1
87.5°	3.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)