

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: P202499

Luminaire Tested: **LD6B10D010 EU6B10209050 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202499
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: LD6B10D010 EU6B10209050 6LBSWMH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WARM HAZE TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 973.3 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

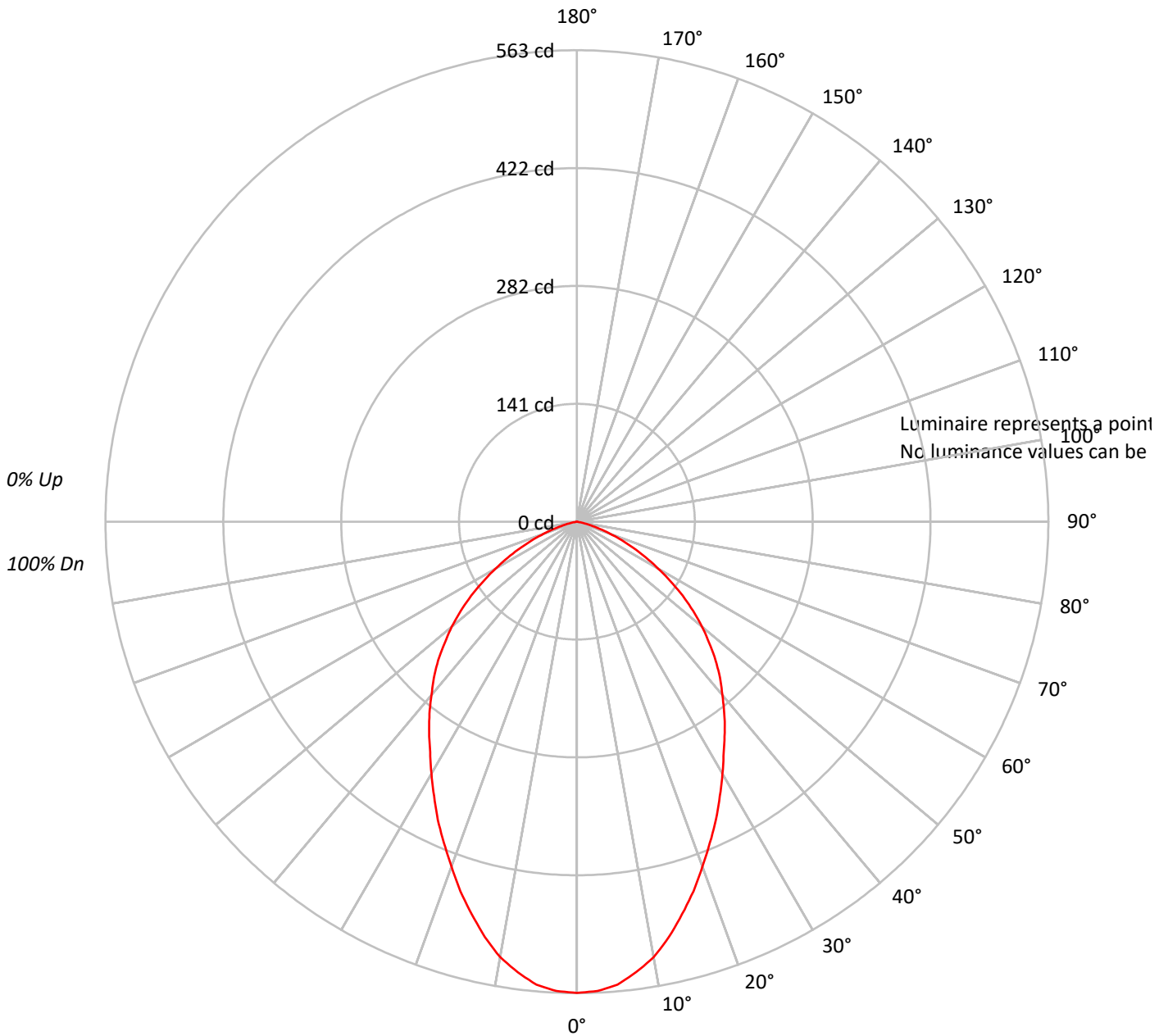
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202499

CATALOG NUMBER: LD6B10D010 EU6B10209050 6LBSWMH1

Luminous Intensity Polar Plot





TEST NUMBER: P202499

CATALOG NUMBER: LD6B10D010 EU6B10209050 6LBSWMH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88																			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77																			
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67																			
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59																			
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52																			
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47																			
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42																			
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38																			
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35																			
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202499

CATALOG NUMBER: LD6B10D010 EU6B10209050 6LBSWMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	5.4
10°-20°	136.1	14.0
20°-30°	180.5	18.5
30°-40°	192.5	19.8
40°-50°	180.0	18.5
50°-60°	137.2	14.1
60°-70°	74.6	7.7
70°-80°	20.0	2.1
80°-90°	0.2	0.0
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°	368.7	37.9
0°-40°	561.2	57.7
0°-60°	878.4	90.2
0°-90°	973.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	973.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	563	
5°	555	52
15°	485	136
25°	393	180
35°	308	193
45°	234	180
55°	154	137
65°	74	75
75°	17	20
85°	0	0
90°	0	



TEST NUMBER: P202499

CATALOG NUMBER: LD6B10D010 EU6B10209050 6LBSWMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	562.8
2.5°	561.0
5°	555.1
7.5°	542.6
10°	528.2
12.5°	508.0
15°	485.3
17.5°	462.7
20°	438.2
22.5°	415.0
25°	392.9
27.5°	369.6
30°	347.6
32.5°	326.1
35°	307.6
37.5°	289.2
40°	270.1
42.5°	252.8
45°	234.3
47.5°	214.0
50°	195.0
52.5°	174.7
55°	154.4
57.5°	132.4
60°	112.1
62.5°	93.0
65°	74.5
67.5°	57.8
70°	42.3
72.5°	29.2
75°	17.3
77.5°	7.8
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)