

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: P204867

Luminaire Tested: **LD6B10D010 EU6B10209030 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204867
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 EU6B10209030 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK 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: 842.5 lumens
Efficiency: N/A
Efficacy: 85.1 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

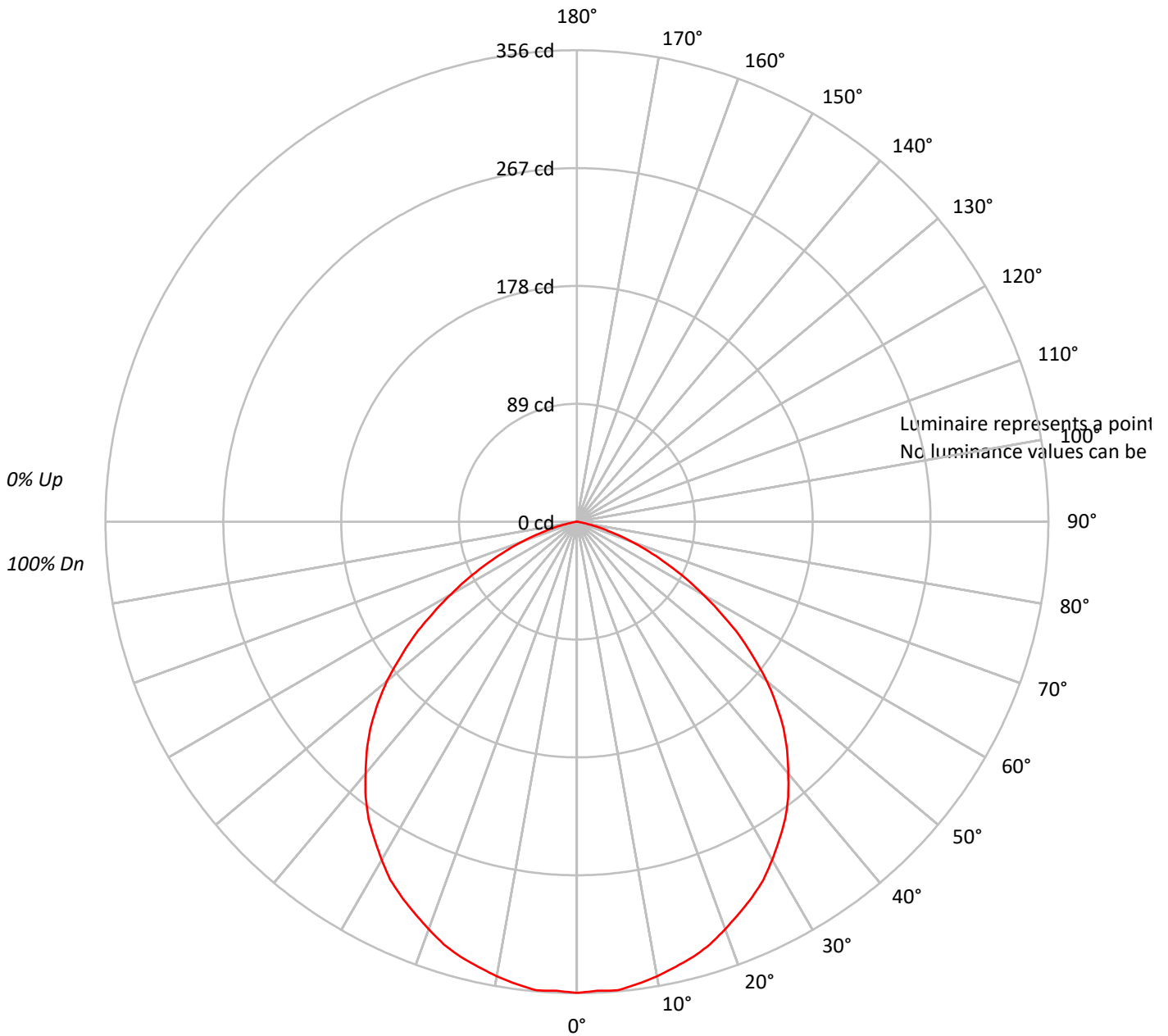
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204867

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBCSMB1

Luminous Intensity Polar Plot





TEST NUMBER: P204867

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBCSMB1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88			
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75			
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65			
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56			
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49			
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43			
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39			
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35			
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31			
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204867

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBCSMB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	4.0
10°-20°	95.9	11.4
20°-30°	144.1	17.1
30°-40°	171.0	20.3
40°-50°	169.2	20.1
50°-60°	132.9	15.8
60°-70°	74.5	8.8
70°-80°	20.9	2.5
80°-90°	0.3	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°	273.6	32.5
0°-40°	444.6	52.8
0°-60°	746.8	88.6
0°-90°	842.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	842.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	356	
5°	355	34
15°	340	96
25°	313	144
35°	274	171
45°	220	169
55°	150	133
65°	74	75
75°	18	21
85°	0	0
90°	0	



TEST NUMBER: P204867

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBCSMB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	355.8
2.5°	354.6
5°	355.2
7.5°	352.1
10°	348.5
12.5°	344.3
15°	340.1
17.5°	334.6
20°	327.4
22.5°	320.1
25°	312.9
27.5°	305.0
30°	294.8
32.5°	284.5
35°	274.2
37.5°	262.1
40°	248.2
42.5°	235.0
45°	220.5
47.5°	204.2
50°	187.2
52.5°	167.9
55°	149.8
57.5°	129.3
60°	109.9
62.5°	92.4
65°	74.3
67.5°	58.6
70°	43.5
72.5°	29.6
75°	18.1
77.5°	9.1
80°	2.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)