

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: P35137

Luminaire Tested: **LSR6B10D010BZ EC6B10209027 6LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35137
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR6B10D010BZ EC6B10209027 6LBSWH1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH WHEAT 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: 913.8 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1.08
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

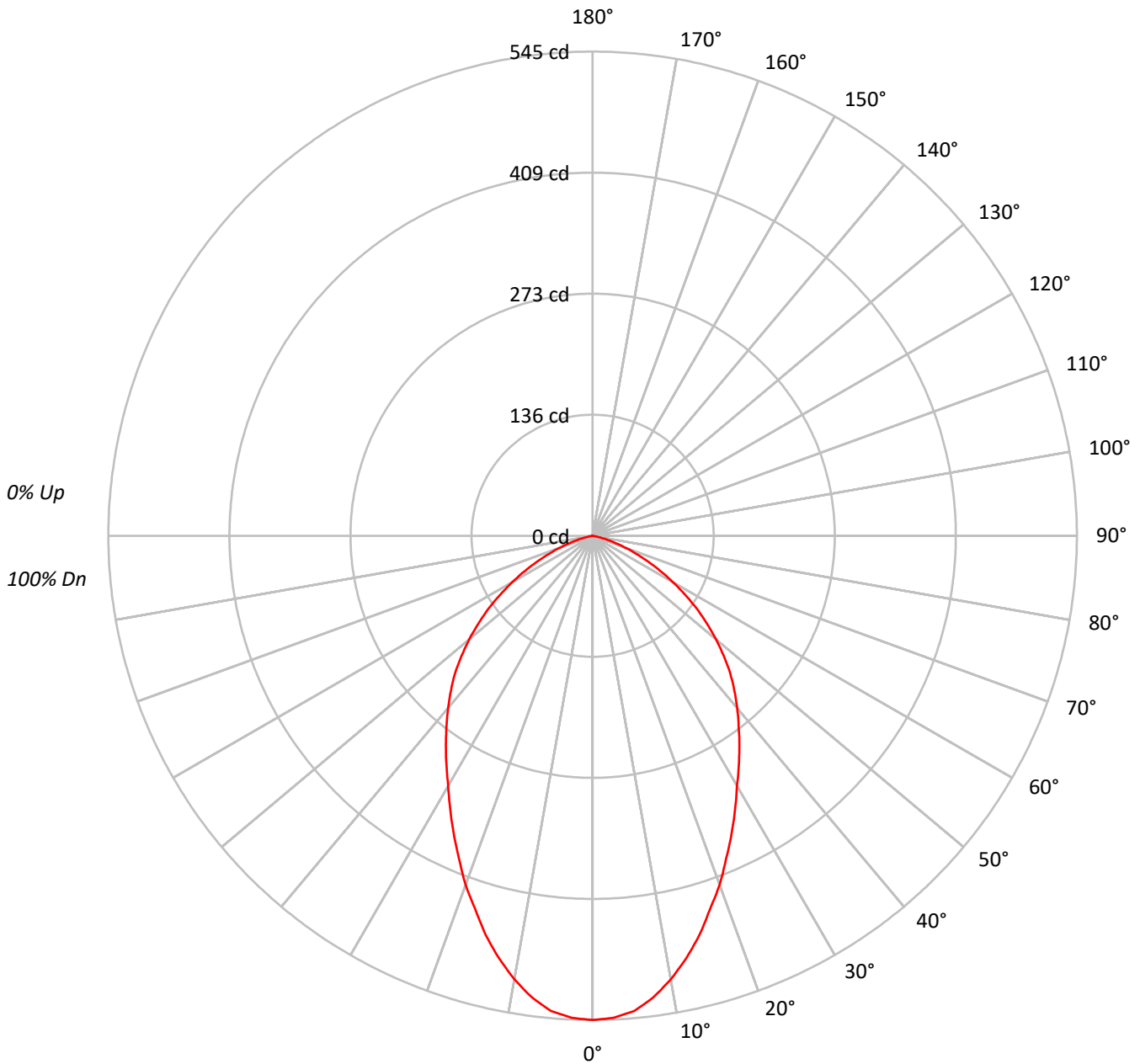
Input Watts (W): 9.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77			77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67			67
4	88	77	70	64	86	76	69	63	74	68	63	72	66	62	69	65	61	59			59
5	81	70	62	56	79	69	62	56	67	60	55	65	59	55	63	58	54	52			52
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47			47
7	71	58	51	45	69	58	50	45	56	49	45	55	49	44	54	48	44	42			42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38			38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	37	35			35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35556
5°	35168
10°	33587
15°	31407
20°	29021
25°	26634
30°	24483
35°	22938
40°	21547
45°	20206
50°	18371
55°	16265
60°	13570
65°	10652
70°	7439
75°	4033
80°	751
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	5.5
10°-20°	130.1	14.2
20°-30°	170.2	18.6
30°-40°	180.2	19.7
40°-50°	168.1	18.4
50°-60°	127.3	13.9
60°-70°	68.9	7.5
70°-80°	18.5	2.0
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°	350.6	38.4
0°-40°	530.8	58.1
0°-60°	826.1	90.4
0°-90°	913.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	913.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	545	
5°	537	50
15°	465	130
25°	370	170
35°	288	180
45°	219	168
55°	143	127
65°	69	69
75°	16	18
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	545
2.5°	543
5°	537
7.5°	524
10°	507
12.5°	487
15°	465
17.5°	440
20°	418
22.5°	393
25°	370
27.5°	347
30°	325
32.5°	306
35°	288
37.5°	270
40°	253
42.5°	236
45°	219
47.5°	200
50°	181
52.5°	162
55°	143
57.5°	123
60°	104
62.5°	86
65°	69
67.5°	53
70°	39
72.5°	27
75°	16
77.5°	7
80°	2
82.5°	0
85°	0
87.5°	0
90°	0



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— 0°-180°







(END OF REPORT)