

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: P35143

Luminaire Tested: **LSR6B15D010BZ EC6B10208035 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35143
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR6B15D010BZ EC6B10208035 6LBCSMB1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1394.9 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

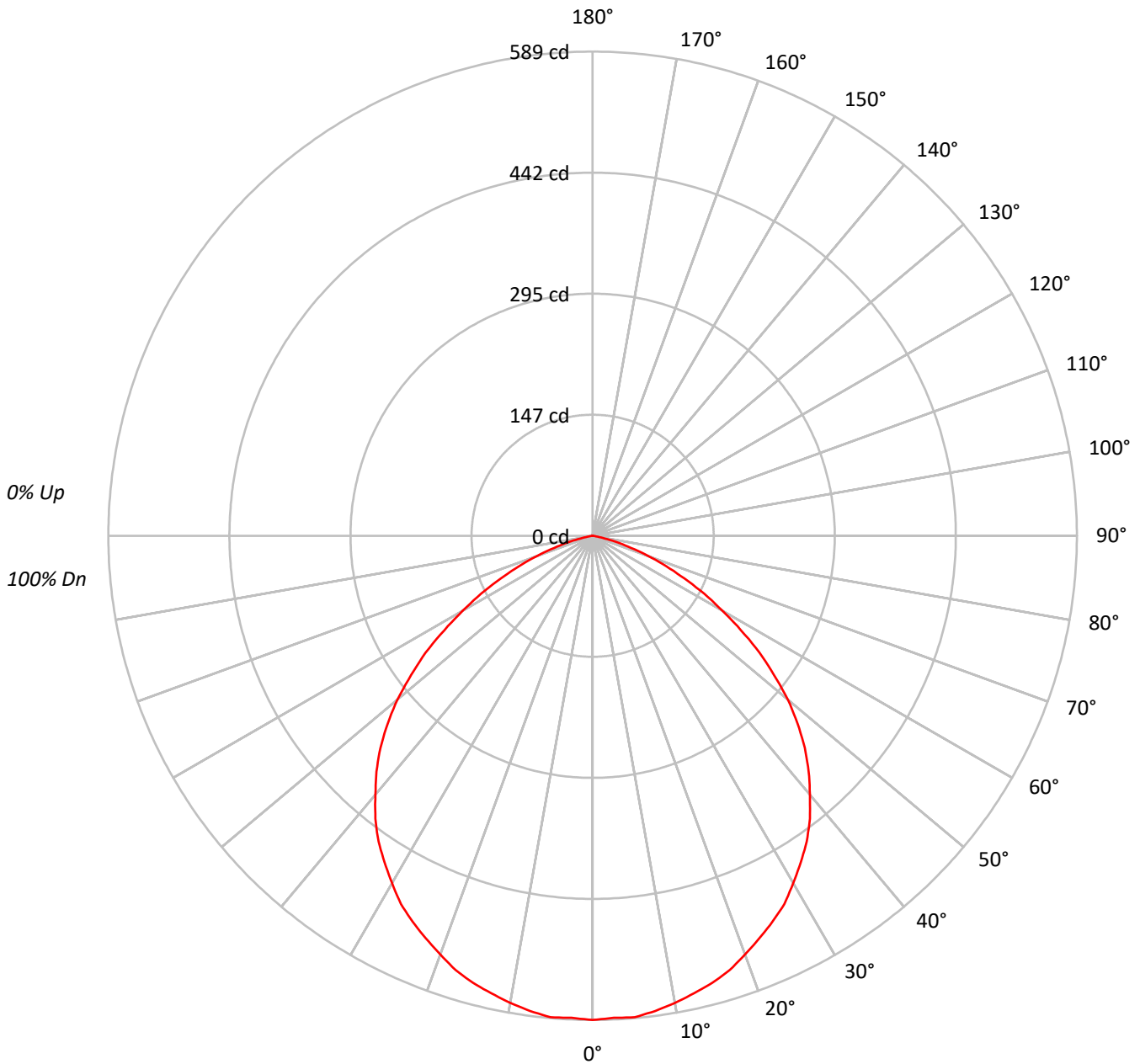
Input Watts (W): 14
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P35143

CATALOG NUMBER: LSR6B15D010BZ EC6B10208035 6LBCSMB1

Luminous Intensity Polar Plot





TEST NUMBER: P35143

CATALOG NUMBER: LSR6B15D010BZ EC6B10208035 6LBCSMB1

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38427
5°	38508
10°	38225
15°	38026
20°	37630
25°	37288
30°	36763
35°	36158
40°	35003
45°	33676
50°	31464
55°	28208
60°	23748
65°	18988
70°	13734
75°	7562
80°	1503
85°	0



TEST NUMBER: P35143

CATALOG NUMBER: LSR6B15D010BZ EC6B10208035 6LBCSMB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	4.0
10°-20°	158.7	11.4
20°-30°	238.6	17.1
30°-40°	283.1	20.3
40°-50°	280.2	20.1
50°-60°	220.1	15.8
60°-70°	123.4	8.8
70°-80°	34.6	2.5
80°-90°	0.5	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°	453.0	32.5
0°-40°	736.1	52.8
0°-60°	1236.3	88.6
0°-90°	1394.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1394.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	589	
5°	588	56
15°	563	159
25°	518	239
35°	454	283
45°	365	280
55°	248	220
65°	123	123
75°	30	35
85°	0	1
90°	0	



TEST NUMBER: P35143

CATALOG NUMBER: LSR6B15D010BZ EC6B10208035 6LBCSMB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	589
2.5°	587
5°	588
7.5°	583
10°	577
12.5°	570
15°	563
17.5°	554
20°	542
22.5°	530
25°	518
27.5°	505
30°	488
32.5°	471
35°	454
37.5°	434
40°	411
42.5°	389
45°	365
47.5°	338
50°	310
52.5°	278
55°	248
57.5°	214
60°	182
62.5°	153
65°	123
67.5°	97
70°	72
72.5°	49
75°	30
77.5°	15
80°	4
82.5°	0
85°	0
87.5°	0
90°	0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)