

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: P35120

Luminaire Tested: **LSR6B10D010BZ EC6B10209027 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35120
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR6B10D010BZ EC6B10209027 6LBWH1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 771.7 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

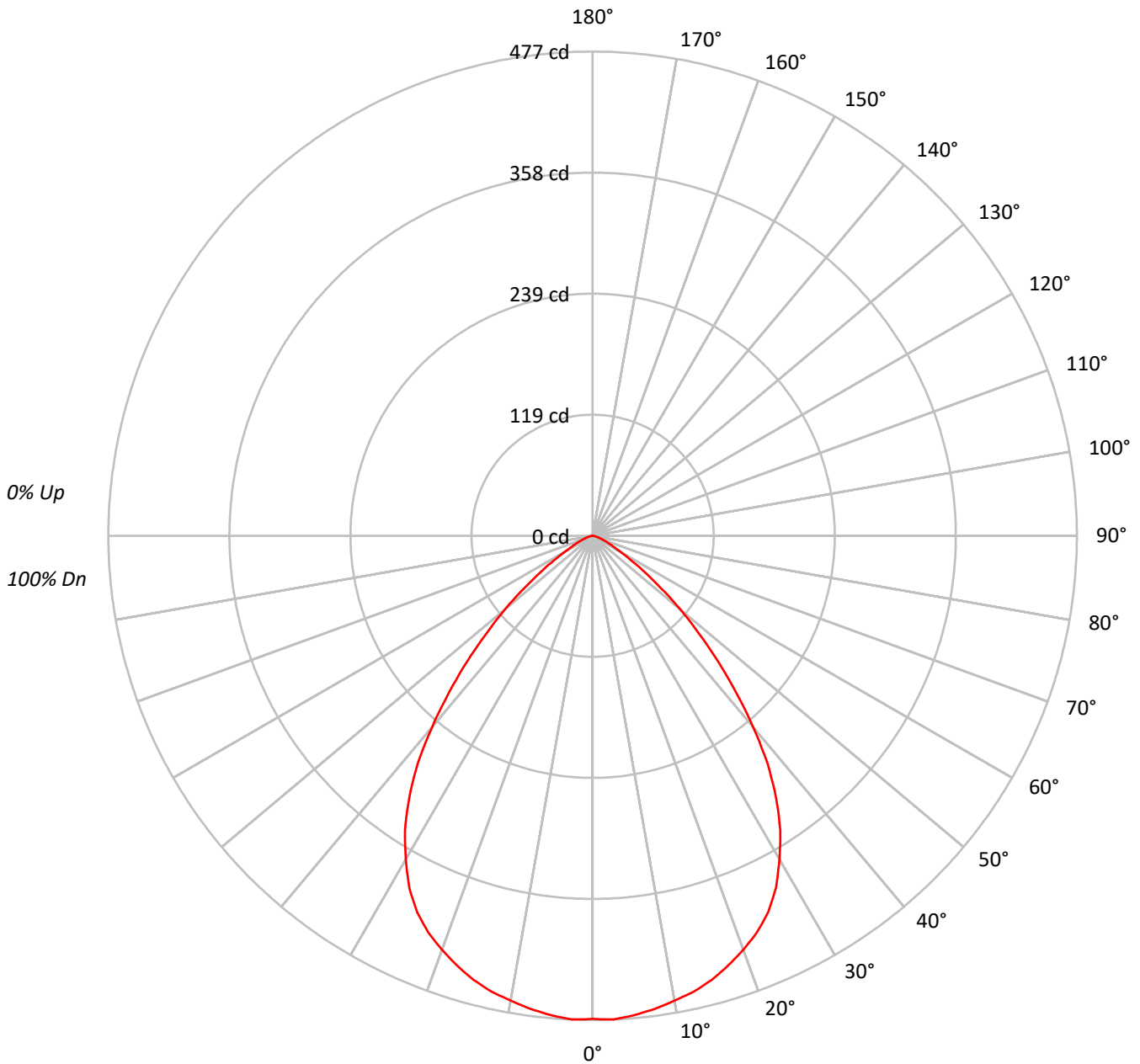
Input Watts (W): 9.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31055
5°	31042
10°	30805
15°	30597
20°	30132
25°	29442
30°	27723
35°	25088
40°	20951
45°	16054
50°	11368
55°	7166
60°	4045
65°	2624
70°	1717
75°	1260
80°	751
85°	749



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	5.8
10°-20°	127.6	16.5
20°-30°	187.0	24.2
30°-40°	194.7	25.2
40°-50°	134.7	17.5
50°-60°	58.6	7.6
60°-70°	18.0	2.3
70°-80°	5.4	0.7
80°-90°	0.8	0.1
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°	359.6	46.6
0°-40°	554.2	71.8
0°-60°	747.5	96.9
0°-90°	771.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	771.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	476	
5°	474	45
15°	453	128
25°	409	187
35°	315	195
45°	174	135
55°	63	59
65°	17	18
75°	5	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	476
2.5°	477
5°	474
7.5°	470
10°	465
12.5°	460
15°	453
17.5°	444
20°	434
22.5°	423
25°	409
27.5°	391
30°	368
32.5°	344
35°	315
37.5°	283
40°	246
42.5°	209
45°	174
47.5°	141
50°	112
52.5°	85
55°	63
57.5°	45
60°	31
62.5°	23
65°	17
67.5°	13
70°	9
72.5°	7
75°	5
77.5°	3
80°	2
82.5°	1
85°	1
87.5°	0
90°	0



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— 0°-180°







(END OF REPORT)