

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: P35124

Luminaire Tested: **LSR6B10D010BZ EC6B10209027 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35124
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR6B10D010BZ EC6B10209027 6LBWMW1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH MATTE WHITE 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: 824.5 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

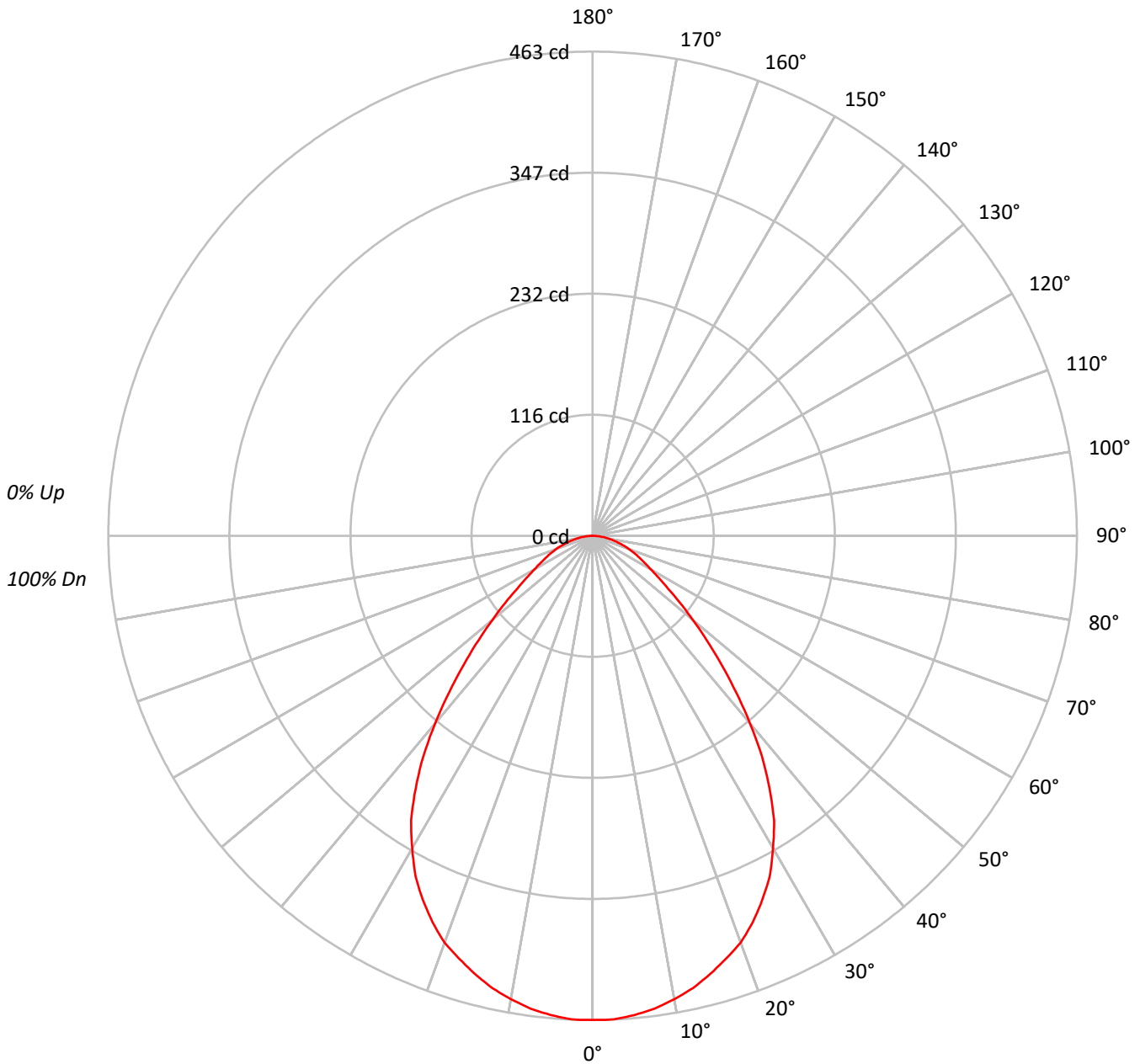
Input Watts (W): 9.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54			54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			44
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40			40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37			37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34			34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30206
5°	30125
10°	29811
15°	29313
20°	28743
25°	27642
30°	25990
35°	23495
40°	19929
45°	16054
50°	12687
55°	10009
60°	8351
65°	7564
70°	7058
75°	6302
80°	5636
85°	4491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	5.3
10°-20°	122.3	14.8
20°-30°	176.2	21.4
30°-40°	182.9	22.2
40°-50°	135.2	16.4
50°-60°	80.8	9.8
60°-70°	49.1	6.0
70°-80°	26.9	3.3
80°-90°	7.5	0.9
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°	342.1	41.5
0°-40°	525.0	63.7
0°-60°	741.0	89.9
0°-90°	824.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	824.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	463	
5°	460	44
15°	434	122
25°	384	176
35°	295	183
45°	174	135
55°	88	81
65°	49	49
75°	25	27
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	463
2.5°	463
5°	460
7.5°	456
10°	450
12.5°	443
15°	434
17.5°	424
20°	414
22.5°	400
25°	384
27.5°	367
30°	345
32.5°	323
35°	295
37.5°	266
40°	234
42.5°	203
45°	174
47.5°	148
50°	125
52.5°	105
55°	88
57.5°	75
60°	64
62.5°	56
65°	49
67.5°	43
70°	37
72.5°	31
75°	25
77.5°	20
80°	15
82.5°	11
85°	6
87.5°	3
90°	0



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— 0°-180°







(END OF REPORT)