

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: P35287

Luminaire Tested: **LSR6B10D010BZ EC6B10209027 6LBNI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35287
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR6B10D010BZ EC6B10209027 6LBNLI1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH 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: 693.5 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

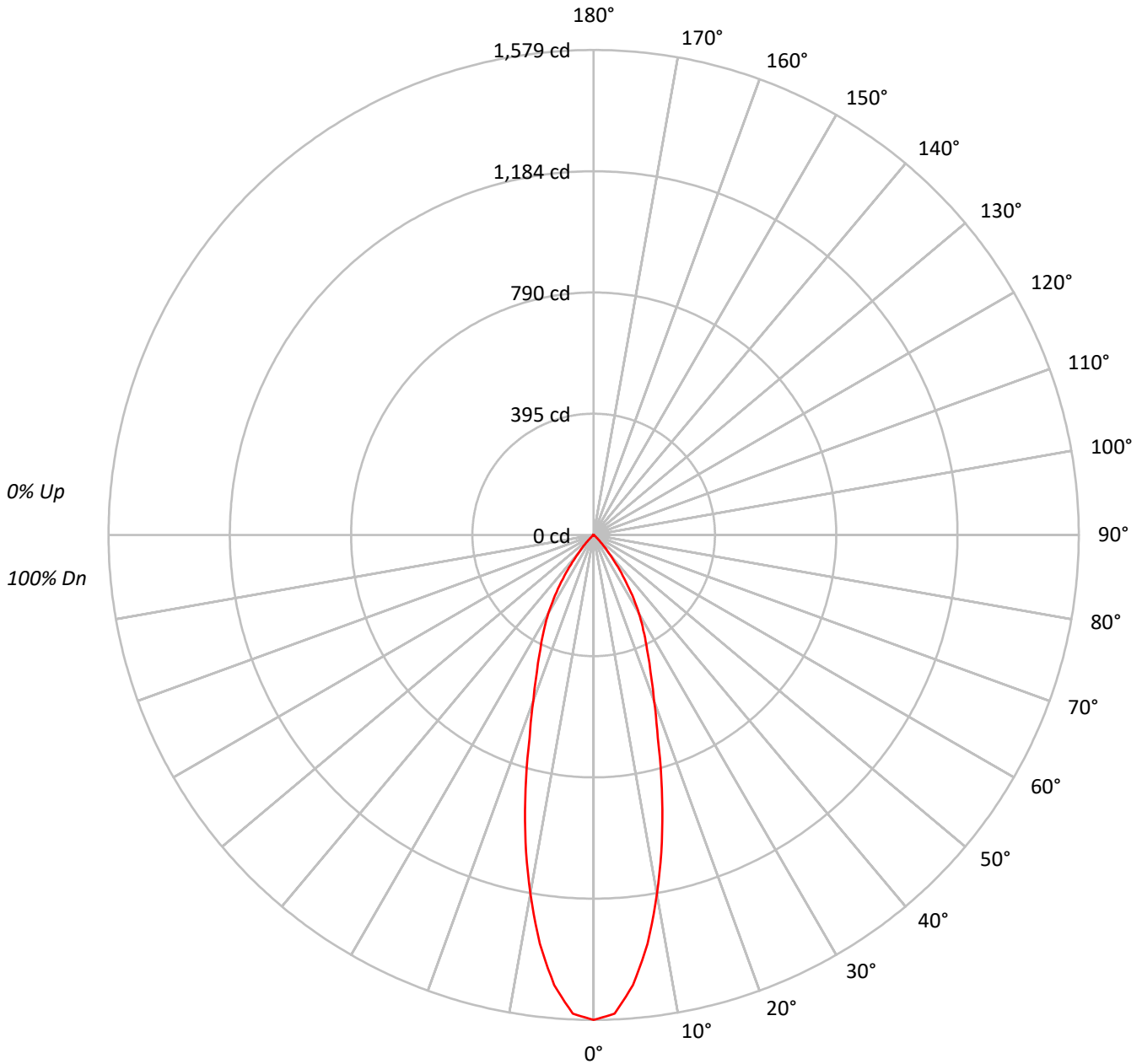
Input Watts (W): 9.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95				95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89				89
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85				85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80				80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76				76
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72				72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68				68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65				65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62				62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59				59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103015
5°	96336
10°	78569
15°	57816
20°	39851
25°	29586
30°	22223
35°	13858
40°	6728
45°	2307
50°	304
55°	227
60°	130
65°	154
70°	191
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	18.9
10°-20°	235.6	34.0
20°-30°	190.5	27.5
30°-40°	109.8	15.8
40°-50°	23.2	3.3
50°-60°	2.0	0.3
60°-70°	1.0	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	557.4	80.4
0°-40°	667.2	96.2
0°-60°	692.4	99.8
0°-90°	693.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	693.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1579	
5°	1471	131
15°	856	236
25°	411	191
35°	174	110
45°	25	23
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1579
2.5°	1560
5°	1471
7.5°	1343
10°	1186
12.5°	1025
15°	856
17.5°	693
20°	574
22.5°	483
25°	411
27.5°	350
30°	295
32.5°	234
35°	174
37.5°	121
40°	79
42.5°	48
45°	25
47.5°	10
50°	3
52.5°	3
55°	2
57.5°	2
60°	1
62.5°	1
65°	1
67.5°	1
70°	1
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0



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— 0°-180°







(END OF REPORT)