

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: P203748

Luminaire Tested: **LSR6B15D010BZ EC6B10209727 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR6B15D010BZ EC6B10209727 6LBNWH1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH WHEAT 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: 705.3 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

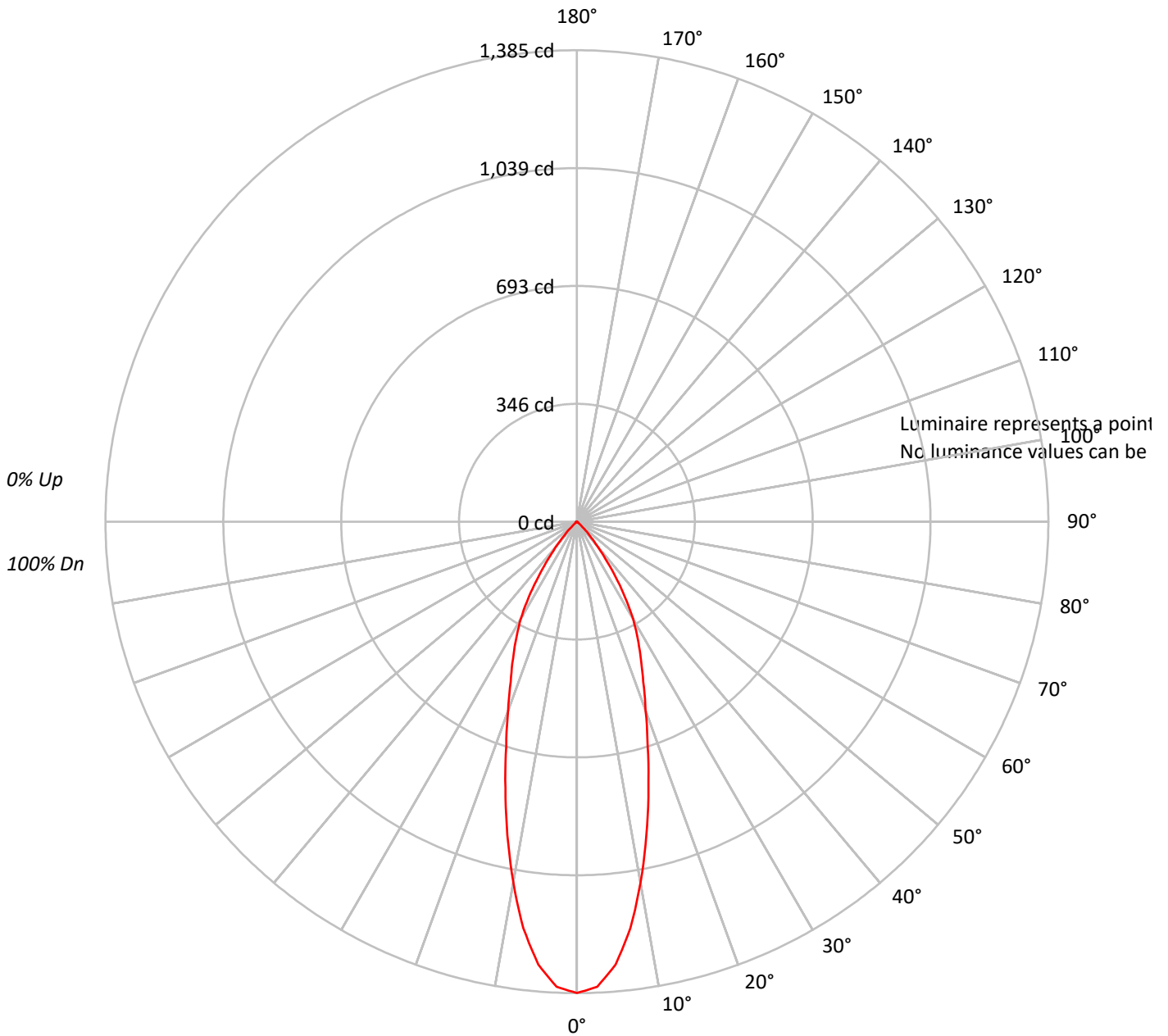
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	100	100	100	100		
	1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94	94	94	94	94	94		
	2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89	89	87	85	85	89		
	3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83	83	81	81	81	83		
	4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79	79	78	75	75	79		
	5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74	74	73	71	71	74		
	6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70	70	69	67	67	70		
	7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66	66	65	63	63	66		
	8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63	63	62	60	60	63		
	9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60	60	59	57	57	60		
	10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57	57	56	54	54	57		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	16.6
10°-20°	225.2	31.9
20°-30°	204.8	29.0
30°-40°	124.1	17.6
40°-50°	28.3	4.0
50°-60°	3.6	0.5
60°-70°	1.6	0.2
70°-80°	0.5	0.1
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°	547.2	77.6
0°-40°	671.4	95.2
0°-60°	703.2	99.7
0°-90°	705.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	705.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1385	
5°	1306	117
15°	811	225
25°	444	205
35°	197	124
45°	31	28
55°	4	4
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1384.7
2.5°	1367.9
5°	1305.5
7.5°	1204.7
10°	1076.3
12.5°	943.1
15°	811.1
17.5°	691.2
20°	590.4
22.5°	508.8
25°	444.0
27.5°	386.4
30°	330.0
32.5°	264.0
35°	196.8
37.5°	138.0
40°	91.2
42.5°	56.4
45°	31.2
47.5°	14.4
50°	6.0
52.5°	4.8
55°	3.6
57.5°	3.6
60°	2.4
62.5°	2.4
65°	1.2
67.5°	1.2
70°	1.2
72.5°	1.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)