

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: P205303

Luminaire Tested: **LSR6B20D010BZ EC6B10209730 6LBNI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205303
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: LSR6B20D010BZ EC6B10209730 6LBNLI1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1209.5 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.57
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

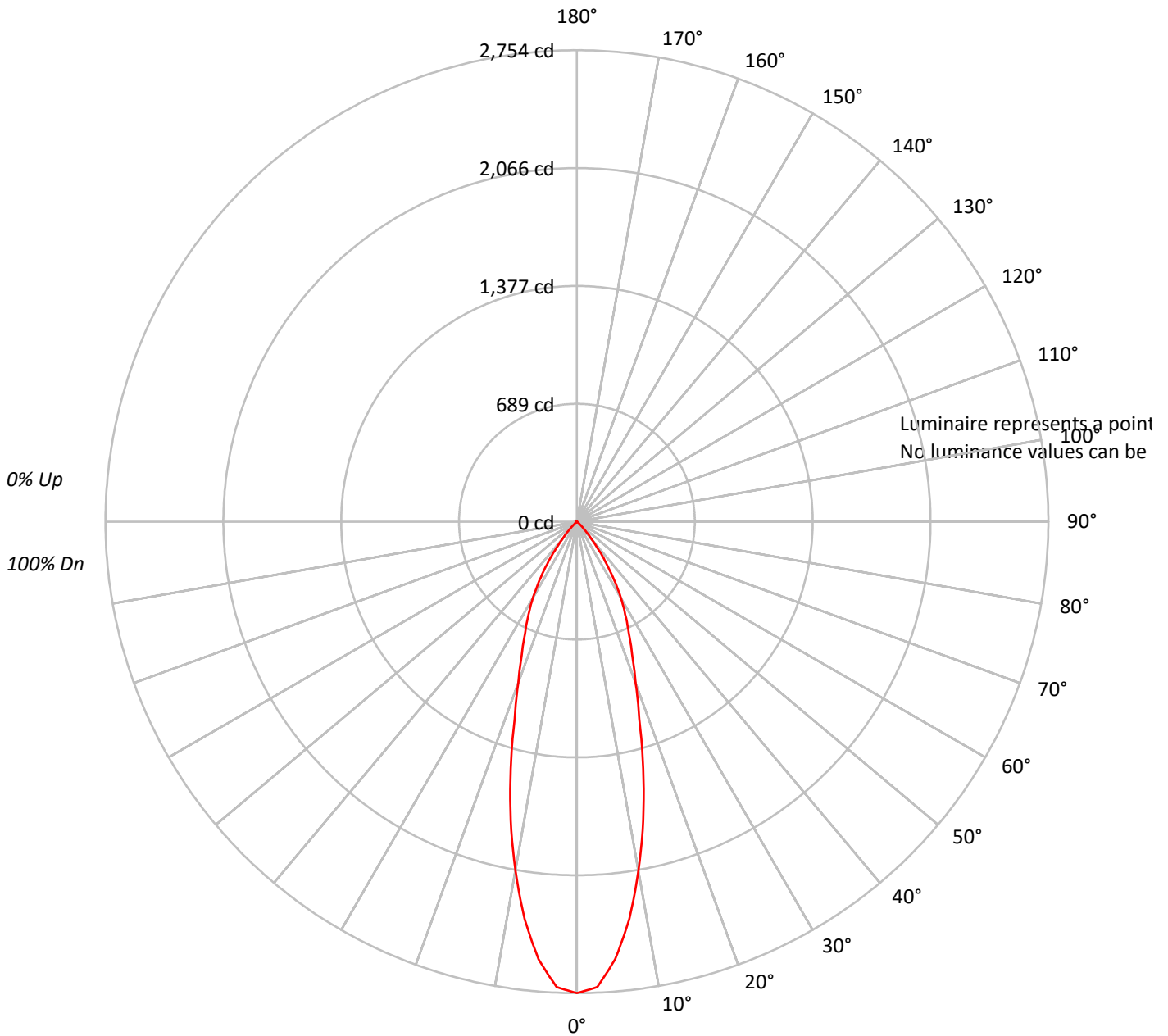
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89		
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85		
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80		
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76		
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72		
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68		
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65		
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62		
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.0	18.9
10°-20°	411.0	34.0
20°-30°	332.3	27.5
30°-40°	191.4	15.8
40°-50°	40.5	3.3
50°-60°	3.5	0.3
60°-70°	1.7	0.1
70°-80°	0.2	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°	972.3	80.4
0°-40°	1163.7	96.2
0°-60°	1207.6	99.8
0°-90°	1209.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1209.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2754	
5°	2566	229
15°	1493	411
25°	717	332
35°	304	191
45°	44	40
55°	4	3
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2754.1
2.5°	2721.0
5°	2565.7
7.5°	2342.5
10°	2068.6
12.5°	1787.8
15°	1493.0
17.5°	1208.7
20°	1001.2
22.5°	842.4
25°	716.9
27.5°	610.5
30°	514.5
32.5°	408.1
35°	303.5
37.5°	211.0
40°	137.8
42.5°	83.7
45°	43.6
47.5°	17.4
50°	5.2
52.5°	5.2
55°	3.5
57.5°	3.5
60°	1.7
62.5°	1.7
65°	1.7
67.5°	1.7
70°	1.7
72.5°	0.0
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)