

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: P202730

Luminaire Tested: **LSR6B20D010BZ EC6B10209050 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202730
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 EC6B10209050 6LBWH1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SEMI-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: 1570.9 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

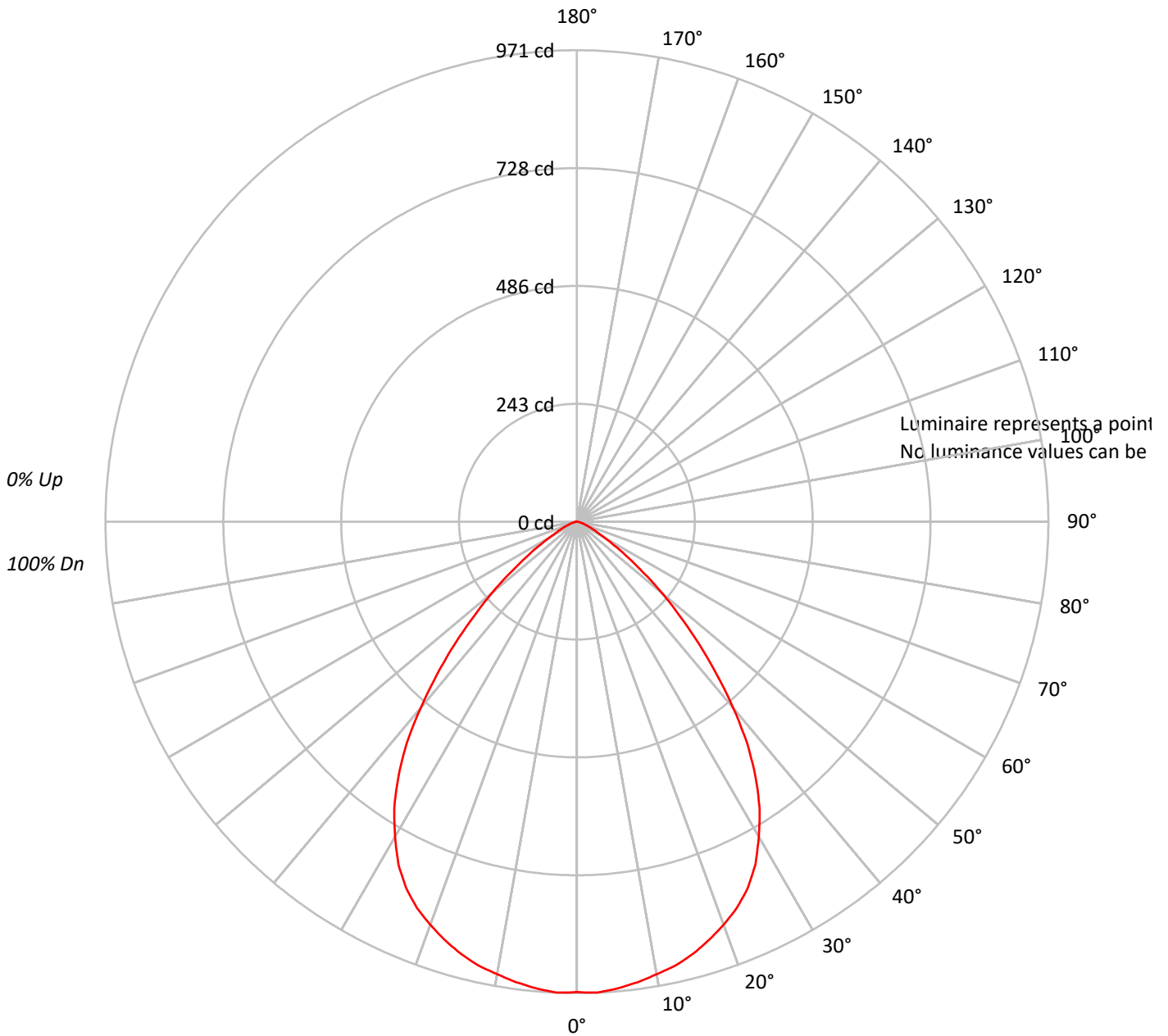
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	5.8
10°-20°	259.7	16.5
20°-30°	380.7	24.2
30°-40°	396.2	25.2
40°-50°	274.1	17.5
50°-60°	119.3	7.6
60°-70°	36.6	2.3
70°-80°	11.0	0.7
80°-90°	1.6	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°	731.9	46.6
0°-40°	1128.2	71.8
0°-60°	1521.6	96.9
0°-90°	1570.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1570.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	969	
5°	965	92
15°	922	260
25°	832	381
35°	641	396
45°	354	274
55°	128	119
65°	35	37
75°	10	11
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	968.9
2.5°	971.0
5°	964.9
7.5°	956.7
10°	946.5
12.5°	936.4
15°	922.1
17.5°	903.8
20°	883.4
22.5°	861.0
25°	832.5
27.5°	795.9
30°	749.1
32.5°	700.2
35°	641.2
37.5°	576.1
40°	500.7
42.5°	425.4
45°	354.2
47.5°	287.0
50°	228.0
52.5°	173.0
55°	128.2
57.5°	91.6
60°	63.1
62.5°	46.8
65°	34.6
67.5°	26.5
70°	18.3
72.5°	14.2
75°	10.2
77.5°	6.1
80°	4.1
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)