

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: P203239

Luminaire Tested: **LSR6B20D010BZ EC6B10208050 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203239
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 EC6B10208050 6LBMH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM 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: 1542.4 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

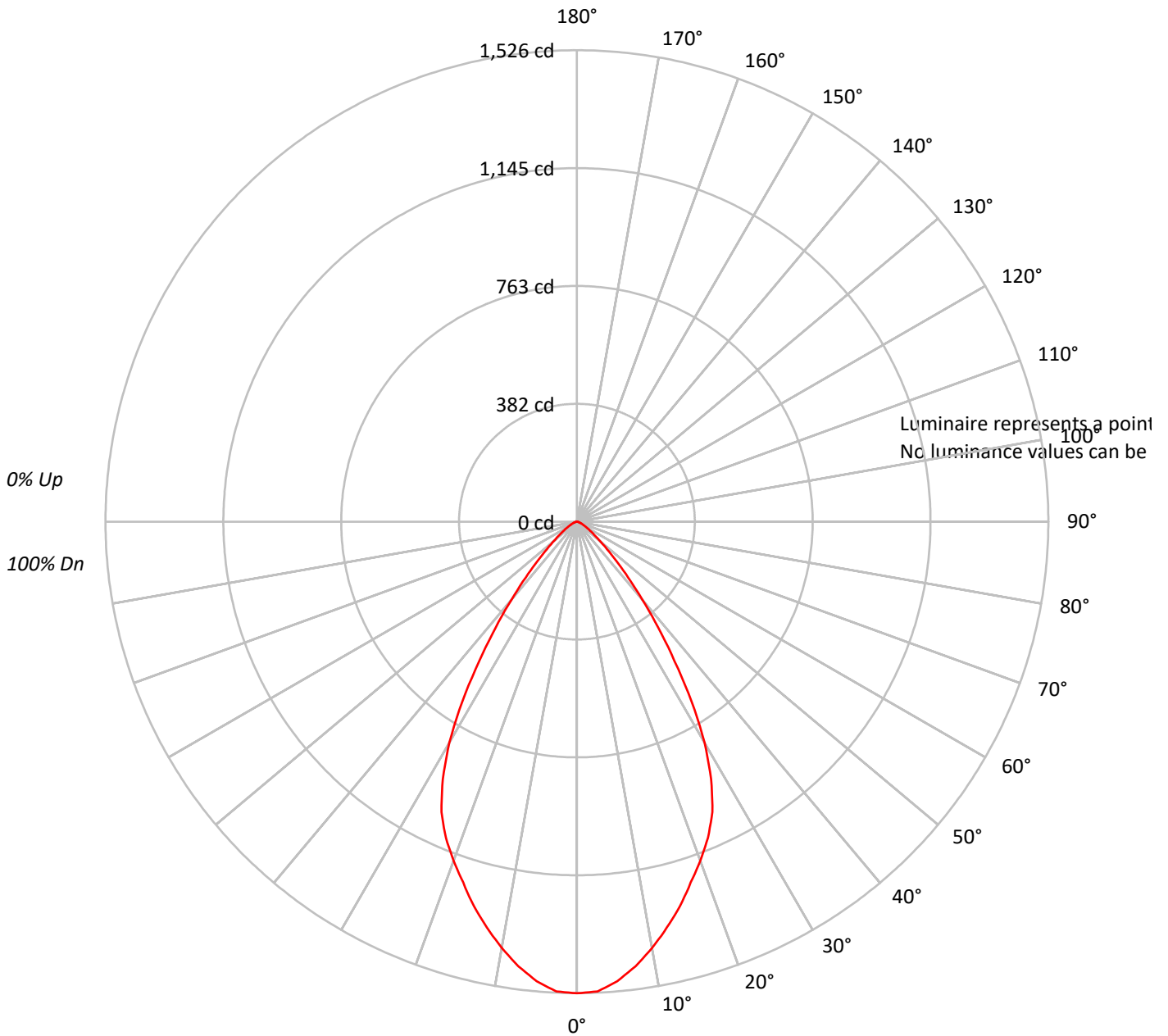
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
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	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																												
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92																												
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85																												
3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78																												
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72																												
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66																												
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61																												
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																												
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53																												
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49																												
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46																												

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	9.0
10°-20°	361.1	23.4
20°-30°	467.8	30.3
30°-40°	347.3	22.5
40°-50°	146.6	9.5
50°-60°	52.1	3.4
60°-70°	20.1	1.3
70°-80°	6.9	0.5
80°-90°	0.9	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°	968.5	62.8
0°-40°	1315.8	85.3
0°-60°	1514.5	98.2
0°-90°	1542.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1542.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1526	
5°	1493	140
15°	1288	361
25°	1037	468
35°	551	347
45°	181	147
55°	55	52
65°	20	20
75°	7	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1526.4
2.5°	1522.0
5°	1493.4
7.5°	1451.5
10°	1400.9
12.5°	1345.8
15°	1288.5
17.5°	1224.7
20°	1167.4
22.5°	1107.9
25°	1037.4
27.5°	940.5
30°	826.0
32.5°	691.6
35°	550.7
37.5°	431.7
40°	328.2
42.5°	244.5
45°	180.6
47.5°	132.2
50°	96.9
52.5°	72.7
55°	55.1
57.5°	41.8
60°	33.0
62.5°	24.2
65°	19.8
67.5°	15.4
70°	11.0
72.5°	8.8
75°	6.6
77.5°	4.4
80°	2.2
82.5°	2.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)