

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: P204374

Luminaire Tested: **LSR6B20D010BZ EC6B10209027 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204374
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 EC6B10209027 6LBSGPH1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH GRAPHITE HAZE 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: 1599.1 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.26
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

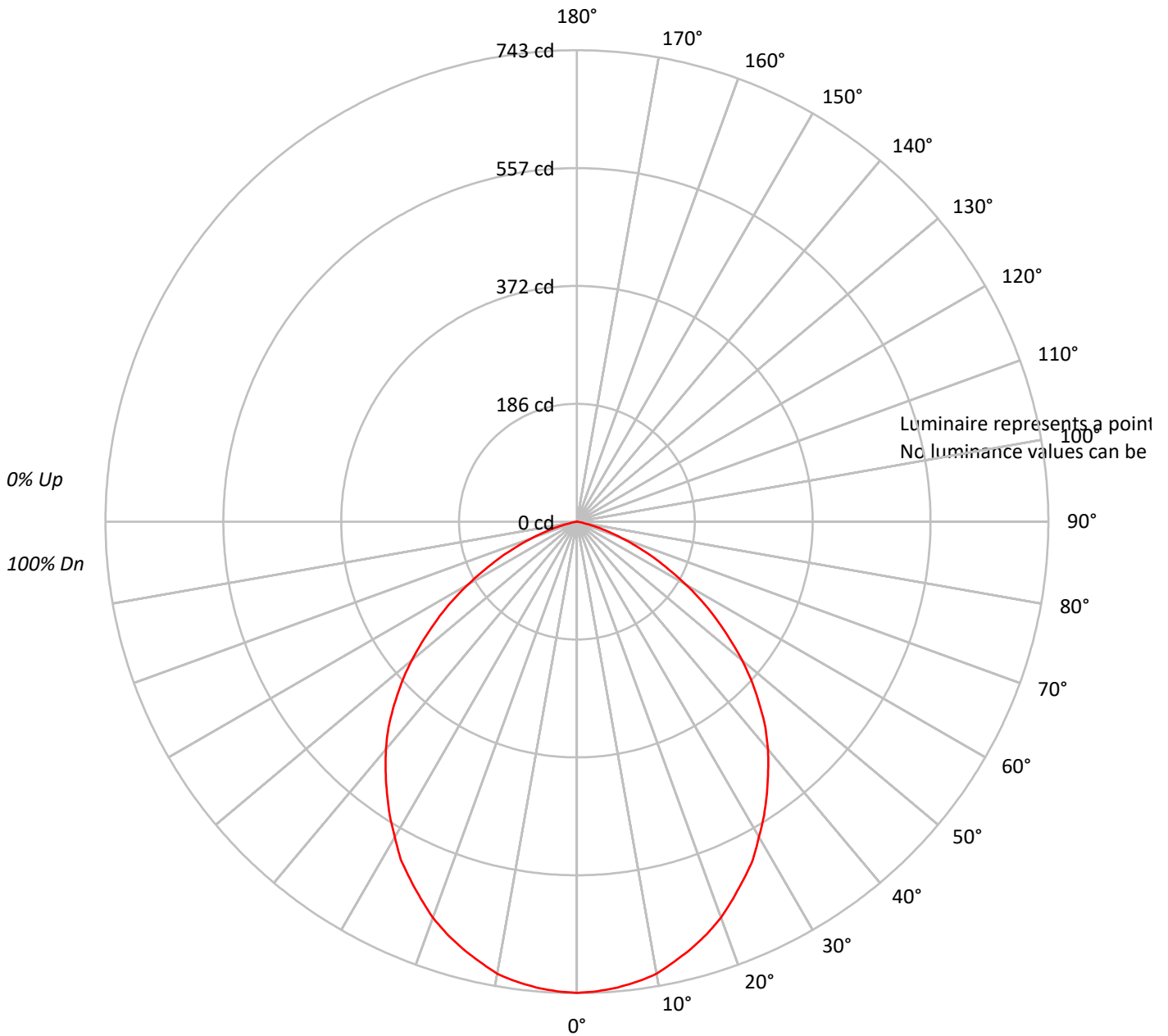
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			88																
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76			76																
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66			66																
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57			57																
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	50			50																
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45			45																
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40			40																
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36			36																
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32			32																
10	57	44	37	32	56	44	36	32	43	36	31	42	36	31	41	35	31	30			30																

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	4.4
10°-20°	196.3	12.3
20°-30°	286.3	17.9
30°-40°	326.5	20.4
40°-50°	313.2	19.6
50°-60°	239.8	15.0
60°-70°	131.6	8.2
70°-80°	35.0	2.2
80°-90°	0.5	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°	552.5	34.6
0°-40°	879.0	55.0
0°-60°	1432.0	89.6
0°-90°	1599.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1599.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	743	
5°	737	70
15°	697	196
25°	622	286
35°	522	326
45°	407	313
55°	269	240
65°	132	132
75°	31	35
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	742.7
2.5°	740.8
5°	736.9
7.5°	731.2
10°	723.5
12.5°	710.1
15°	696.6
17.5°	681.3
20°	664.0
22.5°	642.9
25°	621.8
27.5°	600.7
30°	573.8
32.5°	548.9
35°	522.0
37.5°	495.1
40°	468.3
42.5°	439.5
45°	406.9
47.5°	374.2
50°	339.7
52.5°	303.2
55°	268.7
57.5°	234.1
60°	197.7
62.5°	163.1
65°	132.4
67.5°	101.7
70°	74.8
72.5°	49.9
75°	30.7
77.5°	13.4
80°	3.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)