

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: P203865

Luminaire Tested: **LSR6B20D010BZ EC6B10209730 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203865
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 6LBNGPH1
Description: PORTFOLIO 6IN CYLINDER
NARROW 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: 765.1 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.88
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

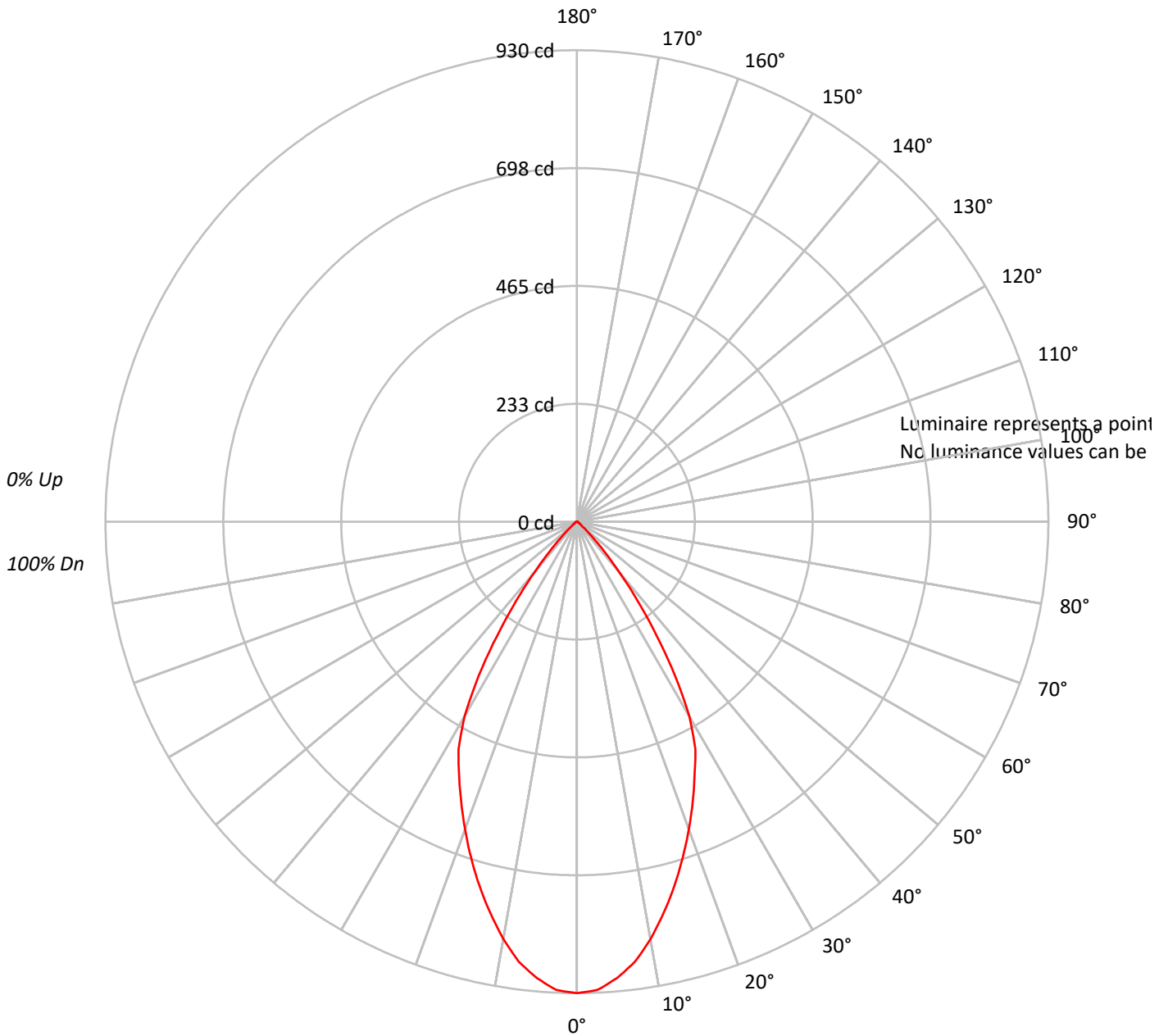
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203865

CATALOG NUMBER: LSR6B20D010BZ EC6B10209730 6LBNGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P203865

CATALOG NUMBER: LSR6B20D010BZ EC6B10209730 6LBNGPH1

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	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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																																			
	2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87																																			
	3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																																			
	4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																																			
	5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70																																			
	6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66																																			
	7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																																			
	8	80	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58																																			
	9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																																			
	10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	52	51																																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203865

CATALOG NUMBER: LSR6B20D010BZ EC6B10209730 6LBNGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	11.0
10°-20°	207.7	27.1
20°-30°	251.6	32.9
30°-40°	171.5	22.4
40°-50°	40.8	5.3
50°-60°	6.4	0.8
60°-70°	2.3	0.3
70°-80°	0.7	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°	543.4	71.0
0°-40°	714.9	93.4
0°-60°	762.1	99.6
0°-90°	765.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	765.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	930	
5°	904	84
15°	743	208
25°	550	252
35°	274	171
45°	44	41
55°	7	6
65°	2	2
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P203865

CATALOG NUMBER: LSR6B20D010BZ EC6B10209730 6LBNGPH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	930.1
2.5°	924.8
5°	903.9
7.5°	876.0
10°	835.9
12.5°	790.5
15°	743.4
17.5°	694.5
20°	645.6
22.5°	596.8
25°	549.7
27.5°	506.0
30°	443.2
32.5°	361.2
35°	274.0
37.5°	195.4
40°	129.1
42.5°	80.3
45°	43.6
47.5°	22.7
50°	12.2
52.5°	8.7
55°	7.0
57.5°	5.2
60°	3.5
62.5°	3.5
65°	1.7
67.5°	1.7
70°	1.7
72.5°	1.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)