

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: P204274

Luminaire Tested: **LSR6B20D010BZ EC6B10209040 6LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204274
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 EC6B10209040 6LBSWH1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH WHEAT 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: 1851.5 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

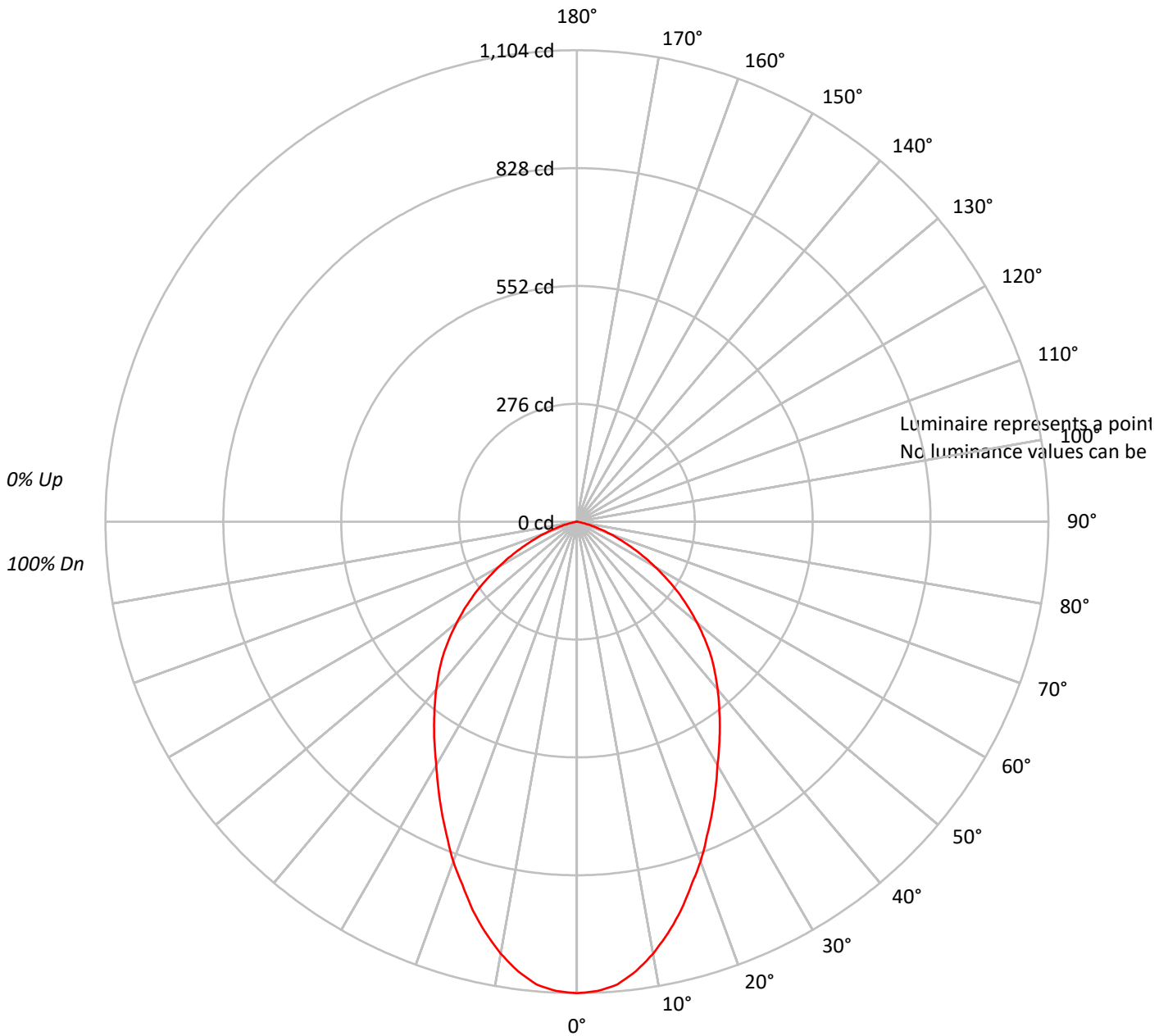
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204274

CATALOG NUMBER: LSR6B20D010BZ EC6B10209040 6LBSWH1

Luminous Intensity Polar Plot





TEST NUMBER: P204274

CATALOG NUMBER: LSR6B20D010BZ EC6B10209040 6LBSWH1

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																			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89																			
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77																			
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67																			
4	88	77	70	64	86	76	69	63	74	68	63	72	66	62	69	65	61	59																			
5	81	70	62	56	79	69	62	56	67	60	55	65	59	55	63	58	54	52																			
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47																			
7	71	58	51	45	69	58	50	45	56	49	45	55	49	44	54	48	44	42																			
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38																			
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	37	35																			
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204274

CATALOG NUMBER: LSR6B20D010BZ EC6B10209040 6LBSWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	5.5
10°-20°	263.6	14.2
20°-30°	344.8	18.6
30°-40°	365.1	19.7
40°-50°	340.5	18.4
50°-60°	257.9	13.9
60°-70°	139.7	7.5
70°-80°	37.5	2.0
80°-90°	0.6	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°	710.2	38.4
0°-40°	1075.3	58.1
0°-60°	1673.7	90.4
0°-90°	1851.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1851.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1104	
5°	1088	102
15°	942	264
25°	750	345
35°	584	365
45°	444	341
55°	290	258
65°	140	140
75°	32	37
85°	0	1
90°	0	



TEST NUMBER: P204274

CATALOG NUMBER: LSR6B20D010BZ EC6B10209040 6LBSWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1104.2
2.5°	1100.2
5°	1088.0
7.5°	1061.7
10°	1027.2
12.5°	986.7
15°	942.1
17.5°	891.5
20°	846.9
22.5°	796.2
25°	749.6
27.5°	703.0
30°	658.5
32.5°	620.0
35°	583.5
37.5°	547.0
40°	512.6
42.5°	478.2
45°	443.7
47.5°	405.2
50°	366.7
52.5°	328.2
55°	289.7
57.5°	249.2
60°	210.7
62.5°	174.2
65°	139.8
67.5°	107.4
70°	79.0
72.5°	54.7
75°	32.4
77.5°	14.2
80°	4.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)