

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: P204785

Luminaire Tested: **LSR6B20D010BZ EC6B10208040 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204785
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 EC6B10208040 6LBCSMW1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE 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: 2318.6 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

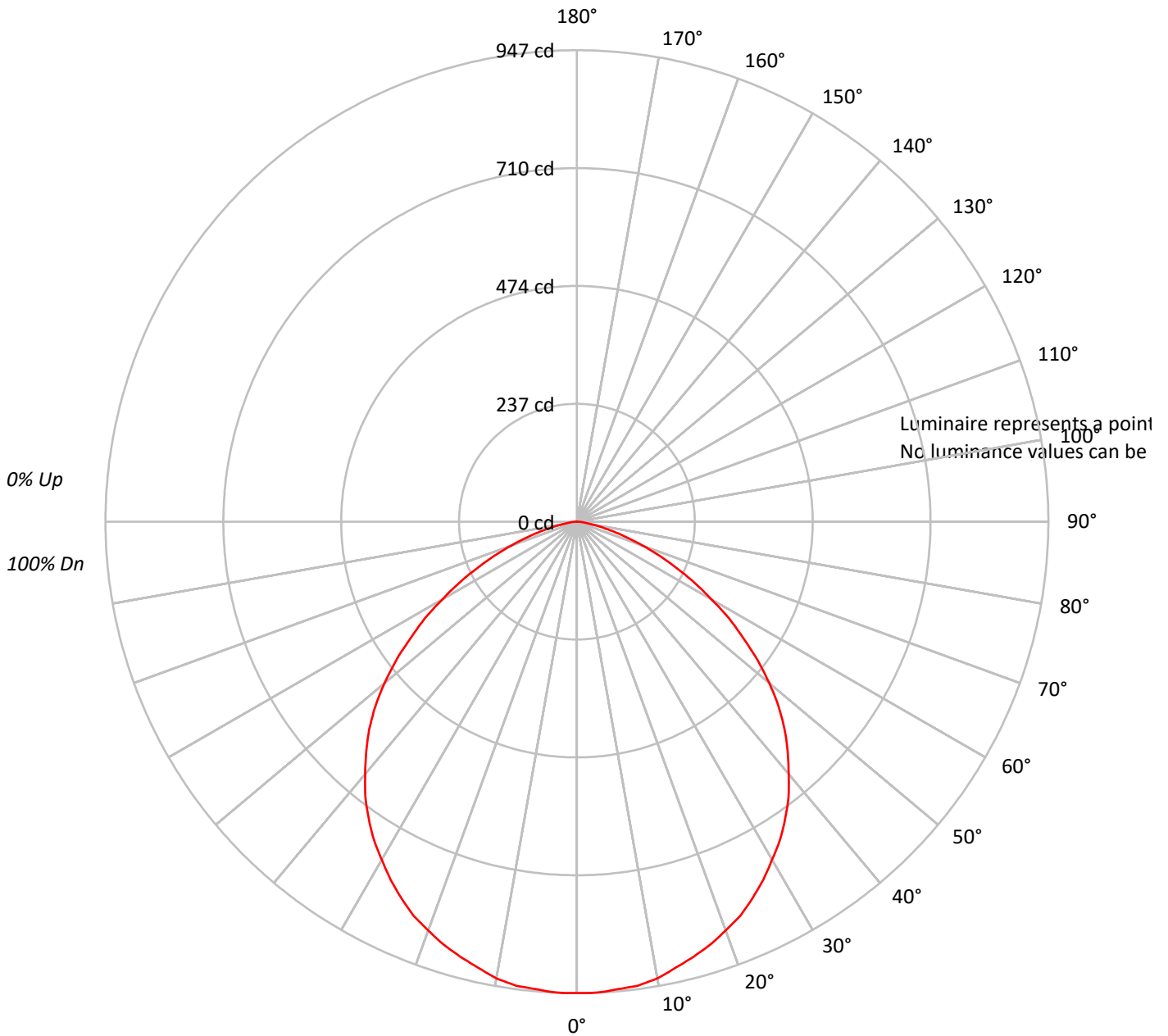
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204785

CATALOG NUMBER: LSR6B20D010BZ EC6B10208040 6LBCSMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204785

CATALOG NUMBER: LSR6B20D010BZ EC6B10208040 6LBCSMW1

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63			63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55			55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42			42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37			37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33			33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30			30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27			27

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204785

CATALOG NUMBER: LSR6B20D010BZ EC6B10208040 6LBCSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	3.9
10°-20°	255.4	11.0
20°-30°	384.3	16.6
30°-40°	455.4	19.6
40°-50°	453.2	19.5
50°-60°	365.3	15.8
60°-70°	221.0	9.5
70°-80°	82.1	3.5
80°-90°	12.2	0.5
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°	729.4	31.5
0°-40°	1184.8	51.1
0°-60°	2003.3	86.4
0°-90°	2318.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2318.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	947	
5°	943	90
15°	905	255
25°	835	384
35°	729	455
45°	590	453
55°	408	365
65°	222	221
75°	74	82
85°	10	12
90°	0	



TEST NUMBER: P204785

CATALOG NUMBER: LSR6B20D010BZ EC6B10208040 6LBCSMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	947.0
2.5°	947.0
5°	942.8
7.5°	940.0
10°	931.5
12.5°	917.5
15°	904.8
17.5°	890.8
20°	873.9
22.5°	857.1
25°	834.6
27.5°	810.7
30°	784.0
32.5°	758.7
35°	729.2
37.5°	698.3
40°	661.8
42.5°	626.6
45°	590.1
47.5°	549.4
50°	504.4
52.5°	458.0
55°	407.5
57.5°	362.5
60°	311.9
62.5°	267.0
65°	222.0
67.5°	179.8
70°	140.5
72.5°	105.4
75°	74.5
77.5°	47.8
80°	28.1
82.5°	16.9
85°	9.8
87.5°	4.2
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)