

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: P202522

Luminaire Tested: **LSR6B20D010BZ EC6B10209035 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202522
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 EC6B10209035 6LBSWMH1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH WARM 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: 1848.9 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

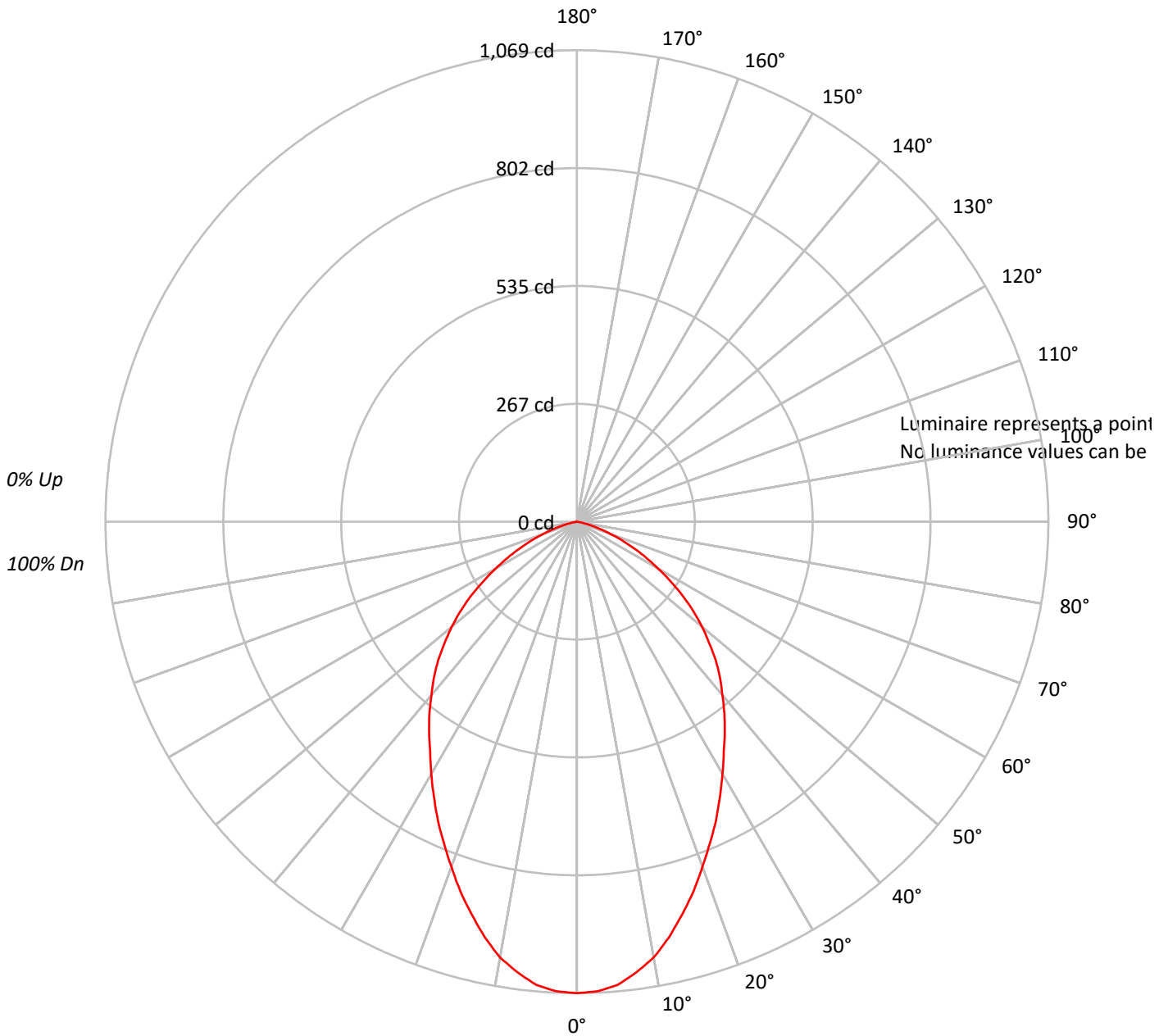
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202522

CATALOG NUMBER: LSR6B20D010BZ EC6B10209035 6LBSWMH1

Luminous Intensity Polar Plot





TEST NUMBER: P202522

CATALOG NUMBER: LSR6B20D010BZ EC6B10209035 6LBSWMH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77				77
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67				67
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59				59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52				52
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47				47
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42				42
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38				38
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35				35
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32				32

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202522

CATALOG NUMBER: LSR6B20D010BZ EC6B10209035 6LBSWMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	5.4
10°-20°	258.6	14.0
20°-30°	342.9	18.5
30°-40°	365.7	19.8
40°-50°	341.9	18.5
50°-60°	260.7	14.1
60°-70°	141.8	7.7
70°-80°	38.0	2.1
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°	700.4	37.9
0°-40°	1066.1	57.7
0°-60°	1668.6	90.2
0°-90°	1848.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1848.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1069	
5°	1054	99
15°	922	259
25°	746	343
35°	584	366
45°	445	342
55°	293	261
65°	142	142
75°	33	38
85°	0	0
90°	0	



TEST NUMBER: P202522

CATALOG NUMBER: LSR6B20D010BZ EC6B10209035 6LBSWMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1069.2
2.5°	1065.8
5°	1054.5
7.5°	1030.7
10°	1003.5
12.5°	965.0
15°	921.9
17.5°	878.9
20°	832.5
22.5°	788.3
25°	746.4
27.5°	702.2
30°	660.3
32.5°	619.5
35°	584.4
37.5°	549.3
40°	513.1
42.5°	480.2
45°	445.1
47.5°	406.6
50°	370.4
52.5°	331.9
55°	293.3
57.5°	251.4
60°	212.9
62.5°	176.7
65°	141.6
67.5°	109.9
70°	80.4
72.5°	55.5
75°	32.8
77.5°	14.7
80°	3.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)