

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: P204679

Luminaire Tested: **LSR6B20D010BZ EC6B10208027 6LBPSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204679
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 EC6B10208027 6LBPSMW1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH PLASTIC 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: 2188.4 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

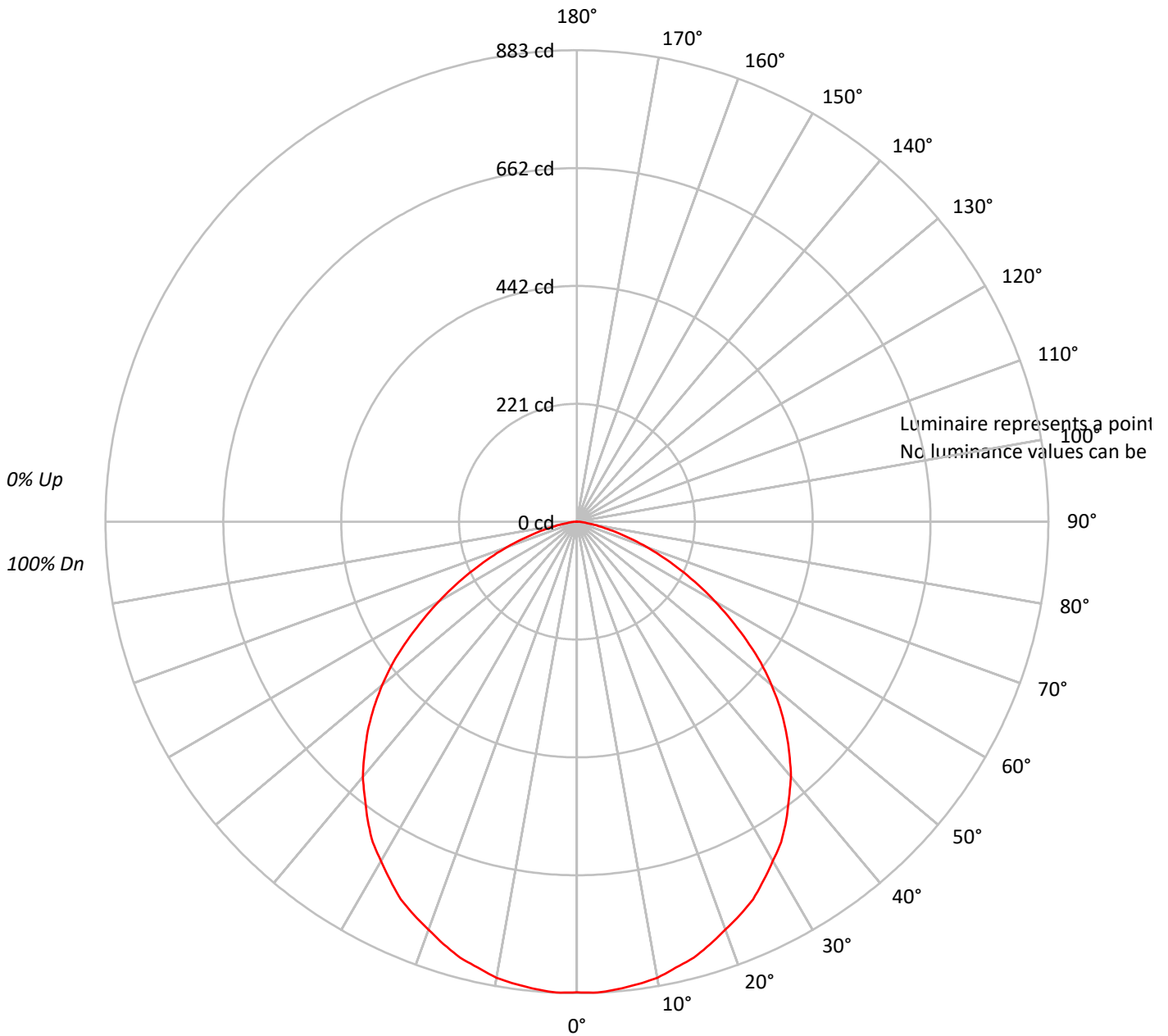
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204679

CATALOG NUMBER: LSR6B20D010BZ EC6B10208027 6LBPSMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204679

CATALOG NUMBER: LSR6B20D010BZ EC6B10208027 6LBPSMW1

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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86																			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																			
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63																			
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54																			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47																			
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42																			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37																			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30																			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204679

CATALOG NUMBER: LSR6B20D010BZ EC6B10208027 6LBPSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	3.8
10°-20°	238.1	10.9
20°-30°	358.6	16.4
30°-40°	426.8	19.5
40°-50°	426.0	19.5
50°-60°	346.4	15.8
60°-70°	213.1	9.7
70°-80°	82.6	3.8
80°-90°	13.2	0.6
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°	680.3	31.1
0°-40°	1107.1	50.6
0°-60°	1879.5	85.9
0°-90°	2188.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2188.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	882	
5°	879	84
15°	845	238
25°	781	359
35°	683	427
45°	554	426
55°	388	346
65°	214	213
75°	75	83
85°	10	13
90°	0	



TEST NUMBER: P204679

CATALOG NUMBER: LSR6B20D010BZ EC6B10208027 6LBPSMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	881.7
2.5°	883.0
5°	879.1
7.5°	873.9
10°	867.5
12.5°	855.8
15°	845.4
17.5°	829.9
20°	813.0
22.5°	797.4
25°	780.6
27.5°	757.2
30°	733.9
32.5°	711.9
35°	683.3
37.5°	652.2
40°	623.7
42.5°	588.7
45°	553.7
47.5°	516.1
50°	475.9
52.5°	434.4
55°	387.7
57.5°	342.3
60°	298.2
62.5°	255.4
65°	213.9
67.5°	175.0
70°	138.7
72.5°	105.0
75°	75.2
77.5°	49.3
80°	29.8
82.5°	18.2
85°	10.4
87.5°	5.2
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)