

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: P205195

Luminaire Tested: **LSR6B20D010BZ EC6B10209024 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205195
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 EC6B10209024 6LBWLI1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SPECULAR CLEAR 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: 1488.0 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

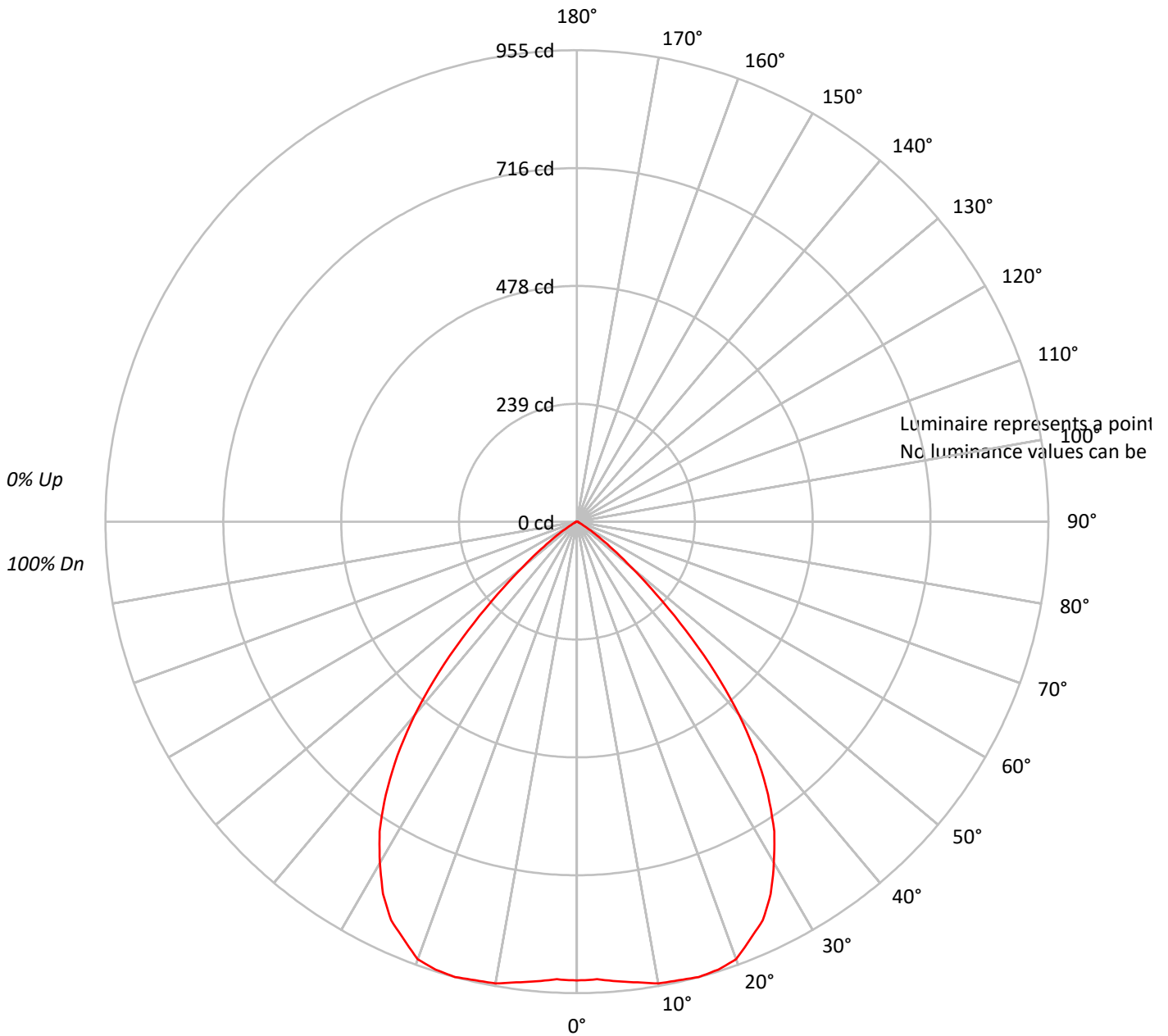
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205195

CATALOG NUMBER: LSR6B20D010BZ EC6B10209024 6LBWL11

Luminous Intensity Polar Plot





TEST NUMBER: P205195

CATALOG NUMBER: LSR6B20D010BZ EC6B10209024 6LBWLI1

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	0																			
RCR																																														
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100											100																	
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92											92																	
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83											83																	
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76											76																	
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69											69																	
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63											63																	
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57											57																	
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52											52																	
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48											48																	
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44											44																	
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41											41																	

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205195

CATALOG NUMBER: LSR6B20D010BZ EC6B10209024 6LBWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	6.0
10°-20°	269.5	18.1
20°-30°	406.3	27.3
30°-40°	415.9	27.9
40°-50°	242.3	16.3
50°-60°	55.7	3.7
60°-70°	6.9	0.5
70°-80°	1.8	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°	765.5	51.4
0°-40°	1181.4	79.4
0°-60°	1479.3	99.4
0°-90°	1488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1488.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	930	
5°	935	90
15°	955	270
25°	891	406
35°	675	416
45°	312	242
55°	54	56
65°	5	7
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P205195

CATALOG NUMBER: LSR6B20D010BZ EC6B10209024 6LBWLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	929.5
2.5°	927.9
5°	934.6
7.5°	941.3
10°	949.8
12.5°	951.5
15°	954.8
17.5°	951.5
20°	943.0
22.5°	916.0
25°	890.7
27.5°	850.3
30°	798.0
32.5°	744.0
35°	674.8
37.5°	597.2
40°	511.2
42.5°	415.0
45°	312.1
47.5°	217.6
50°	143.4
52.5°	91.1
55°	54.0
57.5°	28.7
60°	15.2
62.5°	8.4
65°	5.1
67.5°	5.1
70°	3.4
72.5°	1.7
75°	1.7
77.5°	1.7
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)