

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: P205214

Luminaire Tested: **LSR6B30D010BZ EC6B30509727 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205214
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: LSR6B30D010BZ EC6B30509727 6LBWL1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2132.6 lumens
Efficiency: N/A
Efficacy: 76.2 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

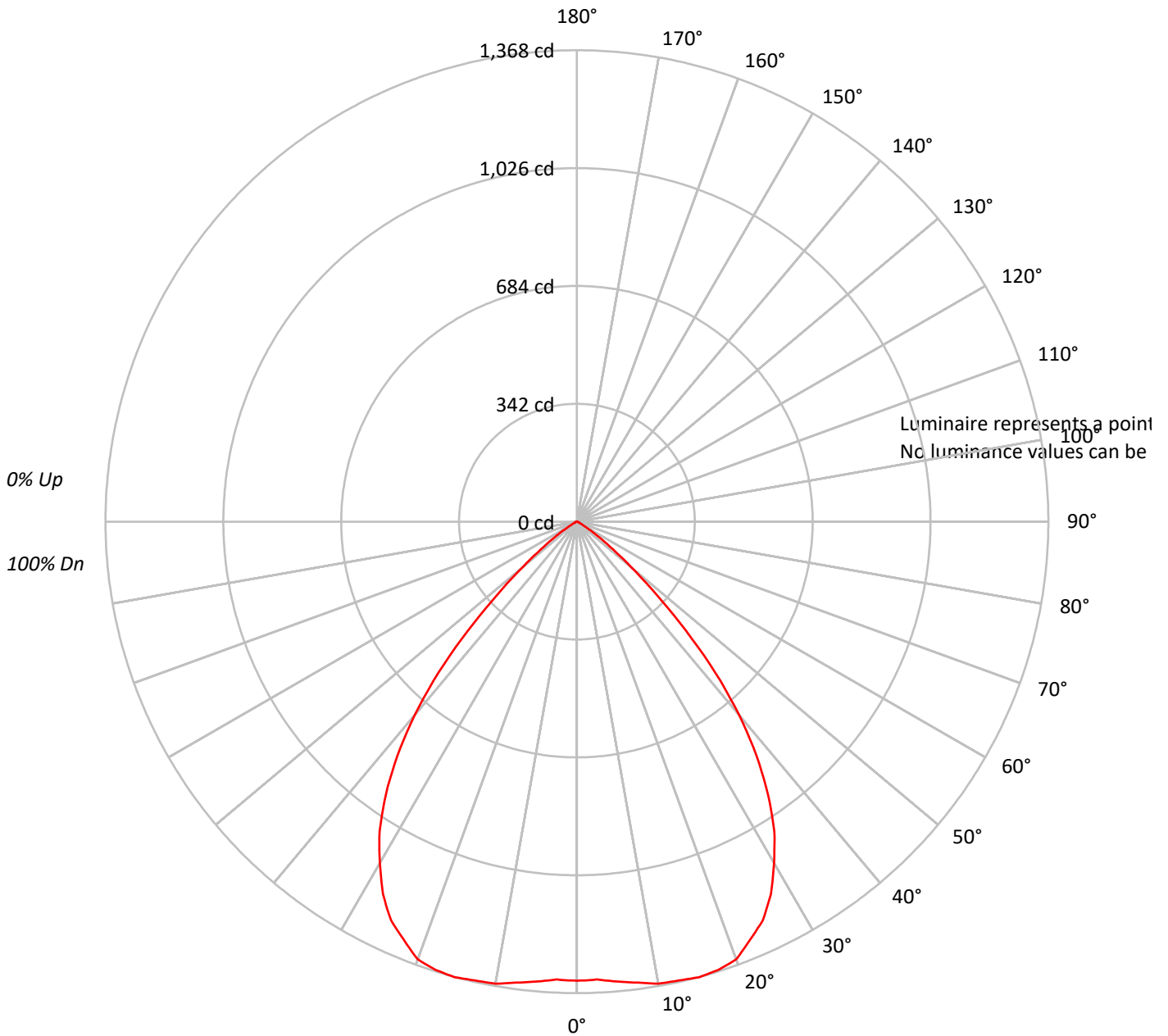
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205214

CATALOG NUMBER: LSR6B30D010BZ EC6B30509727 6LBWLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205214

CATALOG NUMBER: LSR6B30D010BZ EC6B30509727 6LBWLI1

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

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205214

CATALOG NUMBER: LSR6B30D010BZ EC6B30509727 6LBWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	6.0
10°-20°	386.3	18.1
20°-30°	582.3	27.3
30°-40°	596.0	27.9
40°-50°	347.2	16.3
50°-60°	79.8	3.7
60°-70°	9.8	0.5
70°-80°	2.5	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°	1097.2	51.4
0°-40°	1693.2	79.4
0°-60°	2120.2	99.4
0°-90°	2132.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2132.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1332	
5°	1340	129
15°	1368	386
25°	1277	582
35°	967	596
45°	447	347
55°	77	80
65°	7	10
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P205214

CATALOG NUMBER: LSR6B30D010BZ EC6B30509727 6LBWLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1332.2
2.5°	1329.8
5°	1339.5
7.5°	1349.2
10°	1361.3
12.5°	1363.7
15°	1368.5
17.5°	1363.7
20°	1351.6
22.5°	1312.9
25°	1276.6
27.5°	1218.6
30°	1143.6
32.5°	1066.3
35°	967.1
37.5°	855.9
40°	732.6
42.5°	594.8
45°	447.3
47.5°	311.9
50°	205.5
52.5°	130.6
55°	77.4
57.5°	41.1
60°	21.8
62.5°	12.1
65°	7.3
67.5°	7.3
70°	4.8
72.5°	2.4
75°	2.4
77.5°	2.4
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)