

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: P203053

Luminaire Tested: **LSR6B30D010BZ EC6B30509727 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203053
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 6LBWB1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SPECULAR BLACK 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: 1187.1 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

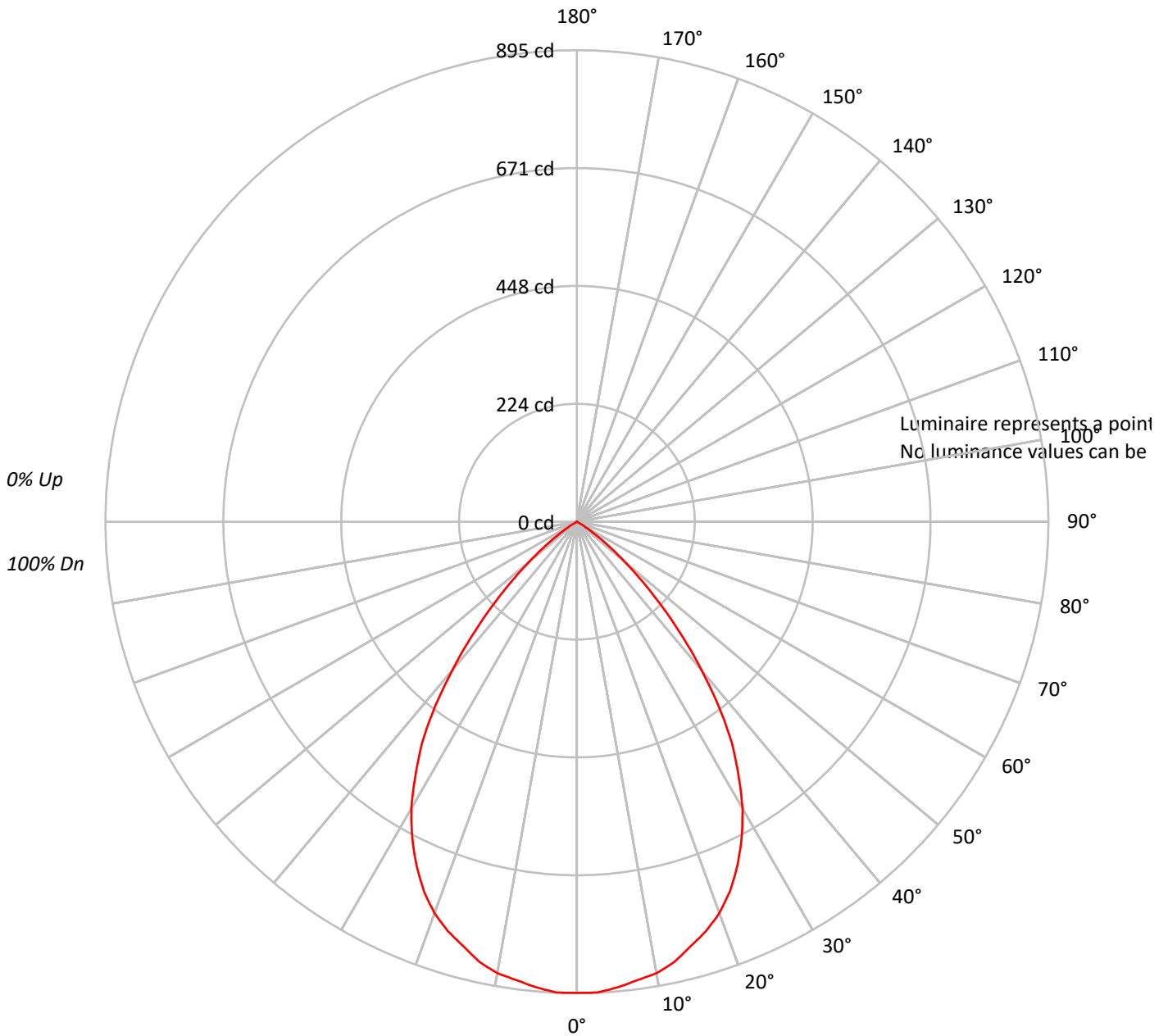
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203053

CATALOG NUMBER: LSR6B30D010BZ EC6B30509727 6LBWB1

Luminous Intensity Polar Plot





TEST NUMBER: P203053

CATALOG NUMBER: LSR6B30D010BZ EC6B30509727 6LBWB1

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	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	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																			92																	
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																			84																	
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77																			77																	
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			70																	
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64																			64																	
6	83	73	67	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59																			59																	
7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54																			54																	
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50																			50																	
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46																			46																	
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	42																			42																	

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203053

CATALOG NUMBER: LSR6B30D010BZ EC6B30509727 6LBWB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	7.1
10°-20°	235.2	19.8
20°-30°	329.5	27.8
30°-40°	314.7	26.5
40°-50°	179.2	15.1
50°-60°	43.8	3.7
60°-70°	0.6	0.0
70°-80°	0.0	0.0
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°	648.9	54.7
0°-40°	963.6	81.2
0°-60°	1186.6	100.0
0°-90°	1187.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1187.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	895	
5°	888	84
15°	834	235
25°	721	330
35°	513	315
45°	230	179
55°	44	44
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P203053

CATALOG NUMBER: LSR6B30D010BZ EC6B30509727 6LBWB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	894.7
2.5°	894.7
5°	887.5
7.5°	877.8
10°	870.5
12.5°	856.0
15°	834.3
17.5°	814.9
20°	790.7
22.5°	759.3
25°	720.6
27.5°	677.1
30°	628.7
32.5°	570.7
35°	512.7
37.5°	442.5
40°	367.6
42.5°	297.4
45°	229.7
47.5°	169.3
50°	118.5
52.5°	75.0
55°	43.5
57.5°	19.3
60°	4.8
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
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)