

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: P203970

Luminaire Tested: **LSR6B30D010BZ EC6B30508030 6LBNB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203970
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 EC6B30508030 6LBNB1
Description: PORTFOLIO 6IN CYLINDER
NARROW 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: 1289.9 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.83
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

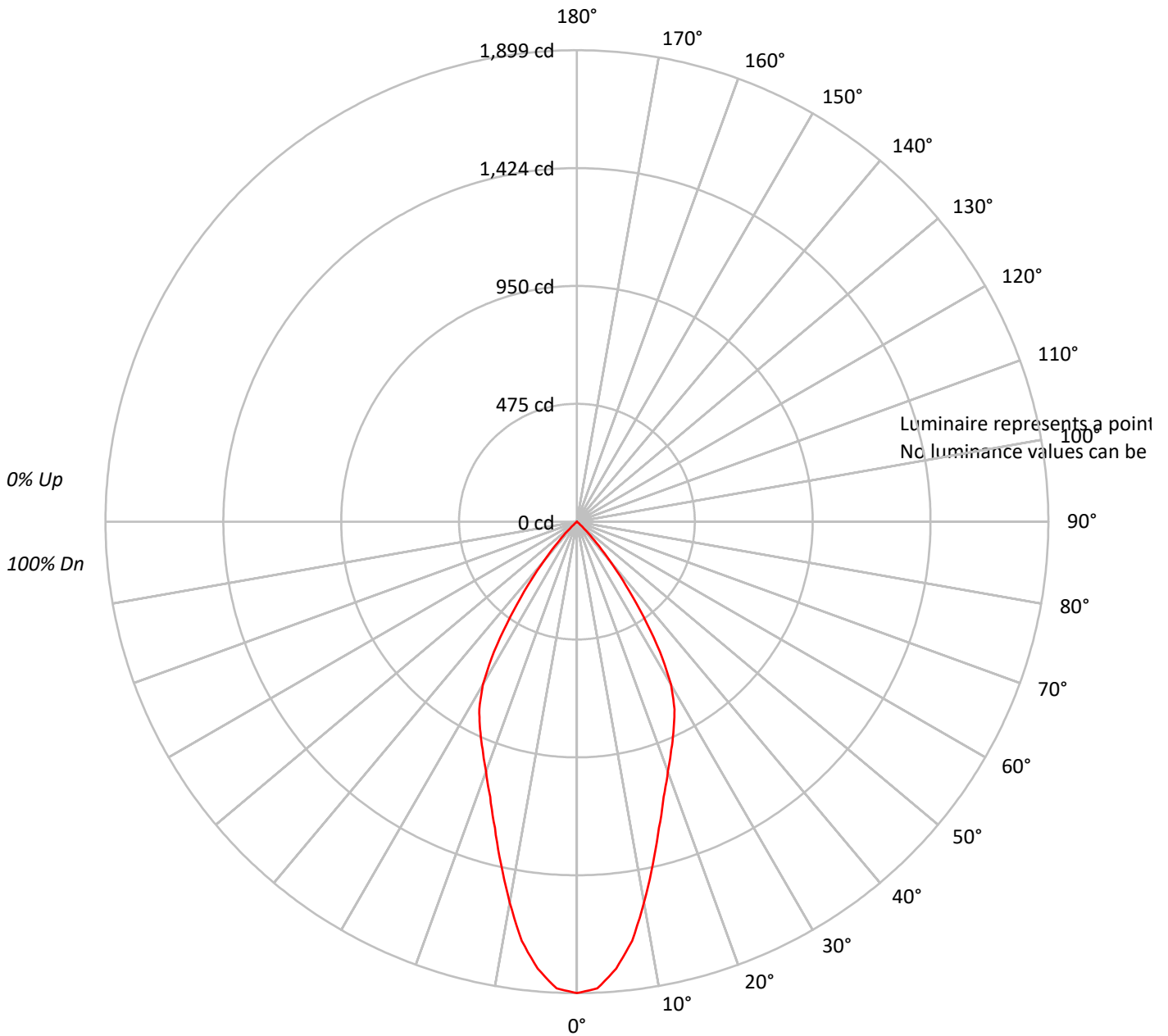
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203970

CATALOG NUMBER: LSR6B30D010BZ EC6B30508030 6LBNB1

Luminous Intensity Polar Plot





TEST NUMBER: P203970

CATALOG NUMBER: LSR6B30D010BZ EC6B30508030 6LBNB1

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	0																								
RCR																																																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																																				
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94																																				
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88																																				
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82																																				
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77																																				
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72																																				
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67																																				
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63																																				
8	81	72	66	62	80	71	66	62	70	65	61	69	64	61	68	64	61	60																																				
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	61	58	56																																				
10	74	64	59	55	73	64	58	55	63	58	55	62	58	55	62	57	54	53																																				

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203970

CATALOG NUMBER: LSR6B30D010BZ EC6B30508030 6LBNB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.8	12.8
10°-20°	359.0	27.8
20°-30°	421.9	32.7
30°-40°	290.5	22.5
40°-50°	53.8	4.2
50°-60°	0.0	0.0
60°-70°	0.0	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°	945.7	73.3
0°-40°	1236.1	95.8
0°-60°	1289.9	100.0
0°-90°	1289.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1289.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1899	
5°	1808	165
15°	1277	359
25°	922	422
35°	466	290
45°	54	54
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P203970

CATALOG NUMBER: LSR6B30D010BZ EC6B30508030 6LBNB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1898.9
2.5°	1882.0
5°	1807.7
7.5°	1702.9
10°	1557.6
12.5°	1412.3
15°	1277.2
17.5°	1162.3
20°	1071.1
22.5°	993.4
25°	922.4
27.5°	851.5
30°	756.9
32.5°	621.7
35°	466.3
37.5°	324.4
40°	206.1
42.5°	114.9
45°	54.1
47.5°	16.9
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
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)