

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: P204492

Luminaire Tested: **LSR6B30D010BZ EC6B30509035 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204492
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 EC6B30509035 6LBSB1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW 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: 2343.3 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

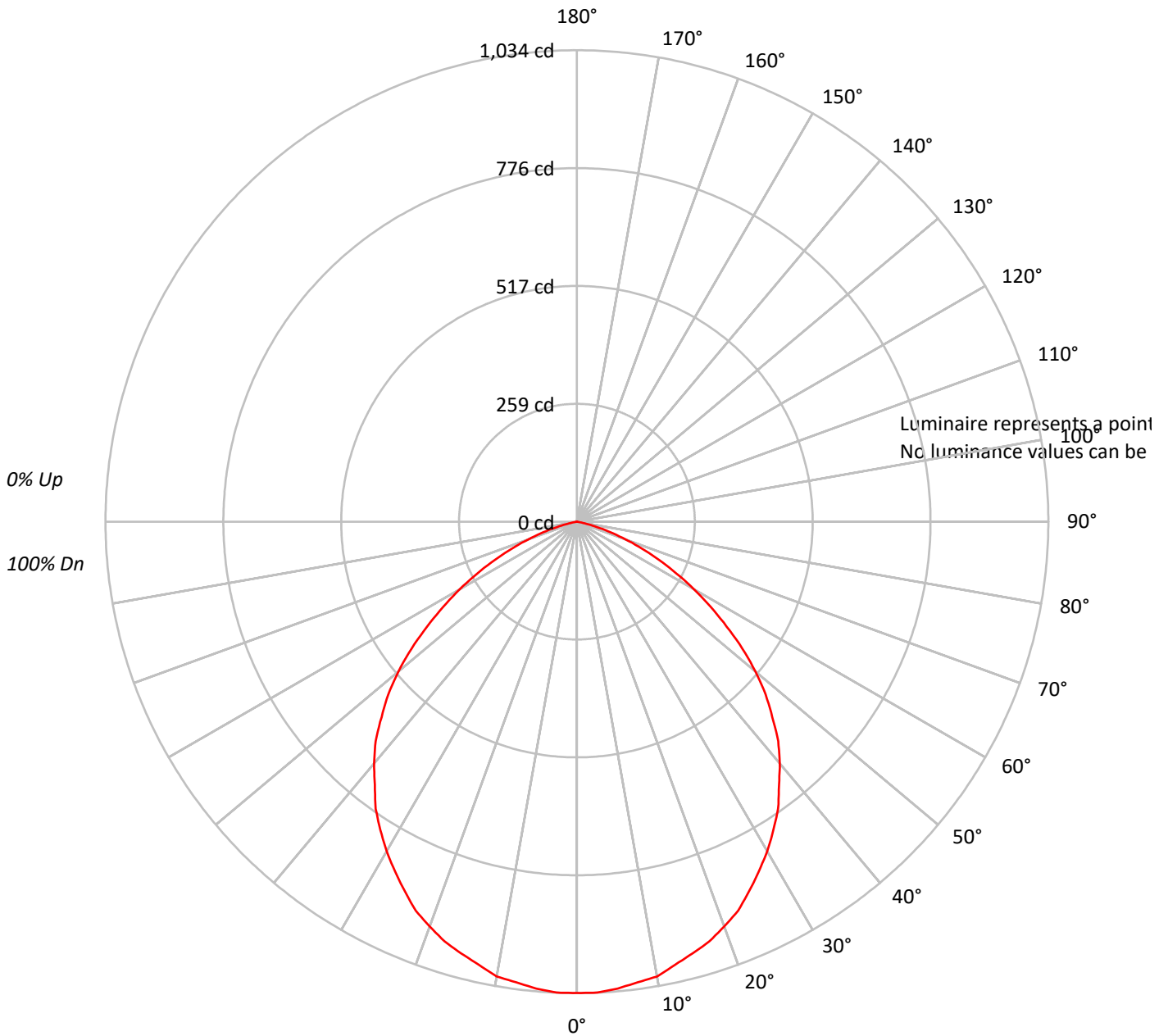
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204492

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBSB1

Luminous Intensity Polar Plot





TEST NUMBER: P204492

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBSB1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88				88
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76				76
3	94	84	77	72	91	83	76	71	80	74	70	77	73	68	75	71	67	65				65
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57				57
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50				50
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44				44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39				39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35				35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32				32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29				29

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204492

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBSB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	4.2
10°-20°	276.8	11.8
20°-30°	411.8	17.6
30°-40°	479.2	20.4
40°-50°	467.1	19.9
50°-60°	359.2	15.3
60°-70°	198.6	8.5
70°-80°	52.6	2.2
80°-90°	0.4	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°	786.2	33.6
0°-40°	1265.4	54.0
0°-60°	2091.7	89.3
0°-90°	2343.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2343.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1034	
5°	1028	98
15°	980	277
25°	894	412
35°	769	479
45°	606	467
55°	401	359
65°	199	199
75°	45	53
85°	0	0
90°	0	



TEST NUMBER: P204492

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBSB1

CANDELA DISTRIBUTION (FULL):

0°	
0°	1033.7
2.5°	1033.7
5°	1027.8
7.5°	1018.9
10°	1012.9
12.5°	995.1
15°	980.2
17.5°	965.4
20°	944.6
22.5°	923.8
25°	894.1
27.5°	864.4
30°	834.7
32.5°	802.0
35°	769.3
37.5°	727.8
40°	692.1
42.5°	653.5
45°	606.0
47.5°	561.4
50°	510.9
52.5°	457.4
55°	401.0
57.5°	347.5
60°	297.0
62.5°	246.5
65°	199.0
67.5°	154.5
70°	112.9
72.5°	77.2
75°	44.6
77.5°	20.8
80°	3.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)