

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: P202638

Luminaire Tested: **LSR6B30D010BZ EC6B30509035 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202638
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 6LBMWMH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM DISTRIBUTION WITH WARM HAZE 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: 2008.2 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

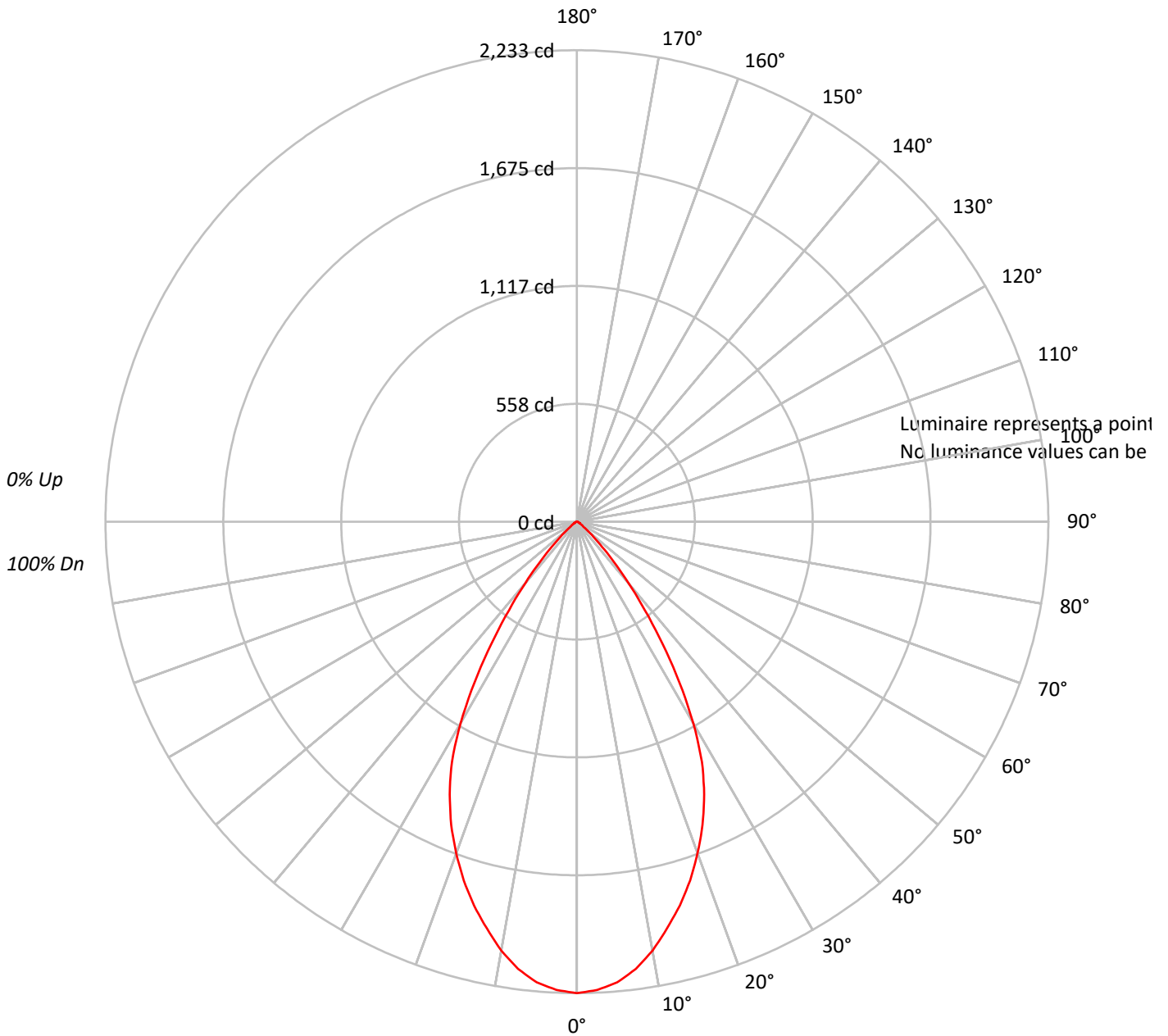
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202638

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBMWMH1

Luminous Intensity Polar Plot





TEST NUMBER: P202638

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBMWMH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	50	30	10	50	30	10	50	30	10	50	30	10													
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100	100	100	100	100	100	100	100														
	1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	93	93	93	93	93	93	93	93	93	93	93	93														
	2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	86	86	86	86	86	86	86	86	86	86	86	86														
	3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80	80	80	80	80	80	80	80	80	80														
	4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74	74	74	74	74	74	74	74	74	74	74	74	74														
	5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69	69	69	69	69	69	69	69	69	69	69	69	69														
	6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64	64	64	64	64	64	64	64	64	64	64	64	64														
	7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	62	60	60	60	60	60	60	60	60	60	60	60	60	60														
	8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56	56	56	56	56	56	56	56	56	56	56	56	56														
	9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53	53	53	53	53	53	53	53	53	53	53	53	53														
	10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50	50	50	50	50	50	50	50	50	50	50	50	50														

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202638

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBMWMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.0	10.2
10°-20°	526.2	26.2
20°-30°	646.3	32.2
30°-40°	443.2	22.1
40°-50°	142.4	7.1
50°-60°	28.9	1.4
60°-70°	11.3	0.6
70°-80°	4.3	0.2
80°-90°	0.7	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°	1377.4	68.6
0°-40°	1820.6	90.7
0°-60°	1991.9	99.2
0°-90°	2008.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2008.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2233	
5°	2191	205
15°	1882	526
25°	1426	646
35°	707	443
45°	169	142
55°	29	29
65°	12	11
75°	3	4
85°	0	1
90°	0	



TEST NUMBER: P202638

CATALOG NUMBER: LSR6B30D010BZ EC6B30509035 6LBMWMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2233.3
2.5°	2219.7
5°	2190.7
7.5°	2136.2
10°	2062.9
12.5°	1972.7
15°	1882.4
17.5°	1781.9
20°	1671.1
22.5°	1555.3
25°	1425.8
27.5°	1282.7
30°	1102.2
32.5°	902.9
35°	707.0
37.5°	528.1
40°	379.9
42.5°	258.9
45°	168.6
47.5°	103.9
50°	63.0
52.5°	39.2
55°	29.0
57.5°	22.1
60°	17.0
62.5°	13.6
65°	11.9
67.5°	8.5
70°	6.8
72.5°	5.1
75°	3.4
77.5°	3.4
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)