

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: P202541

Luminaire Tested: **LSR6B40D010BZ EC6B30508030 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202541
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: LSR6B40D010BZ EC6B30508030 6LBSWMH1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH WARM HAZE TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4390.4 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

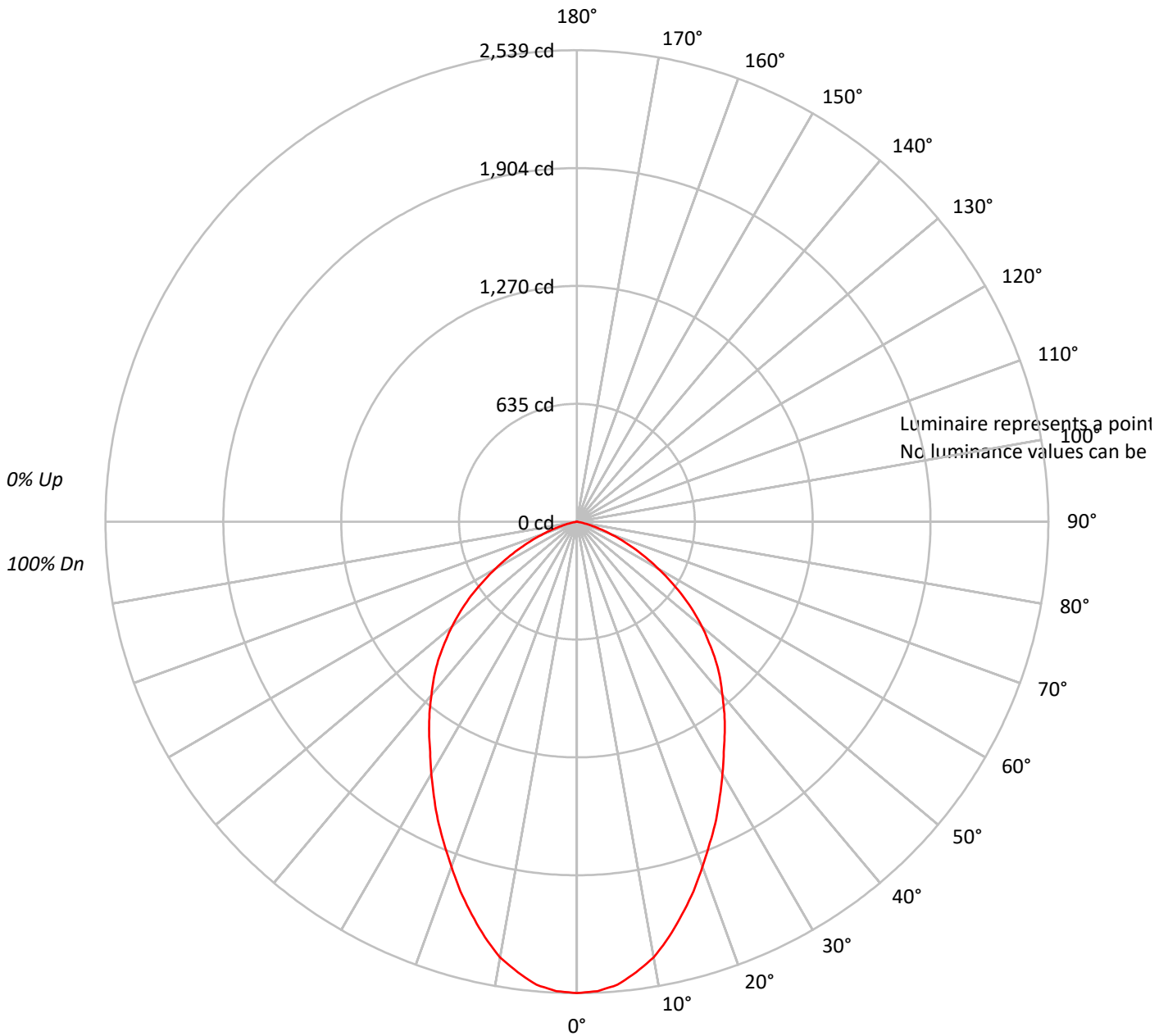
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202541

CATALOG NUMBER: LSR6B40D010BZ EC6B30508030 6LBSWMH1

Luminous Intensity Polar Plot





TEST NUMBER: P202541

CATALOG NUMBER: LSR6B40D010BZ EC6B30508030 6LBSWMH1

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202541

CATALOG NUMBER: LSR6B40D010BZ EC6B30508030 6LBSWMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.9	5.4
10°-20°	614.0	14.0
20°-30°	814.2	18.5
30°-40°	868.4	19.8
40°-50°	811.8	18.5
50°-60°	619.0	14.1
60°-70°	336.7	7.7
70°-80°	90.3	2.1
80°-90°	1.1	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°	1663.1	37.9
0°-40°	2531.5	57.7
0°-60°	3962.2	90.2
0°-90°	4390.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4390.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2539	
5°	2504	235
15°	2189	614
25°	1772	814
35°	1388	868
45°	1057	812
55°	697	619
65°	336	337
75°	78	90
85°	0	1
90°	0	



TEST NUMBER: P202541

CATALOG NUMBER: LSR6B40D010BZ EC6B30508030 6LBSWMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2538.8
2.5°	2530.7
5°	2503.8
7.5°	2447.4
10°	2382.8
12.5°	2291.4
15°	2189.2
17.5°	2087.0
20°	1976.7
22.5°	1871.8
25°	1772.3
27.5°	1667.4
30°	1567.9
32.5°	1471.1
35°	1387.7
37.5°	1304.4
40°	1218.3
42.5°	1140.3
45°	1056.9
47.5°	965.5
50°	879.4
52.5°	788.0
55°	696.6
57.5°	597.0
60°	505.6
62.5°	419.5
65°	336.2
67.5°	260.9
70°	190.9
72.5°	131.8
75°	78.0
77.5°	35.0
80°	8.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)