

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: P202546

Luminaire Tested: **LSR6B40D010BZ EC6B30509027 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202546
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 EC6B30509027 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: 3606.2 lumens
Efficiency: N/A
Efficacy: 86.3 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

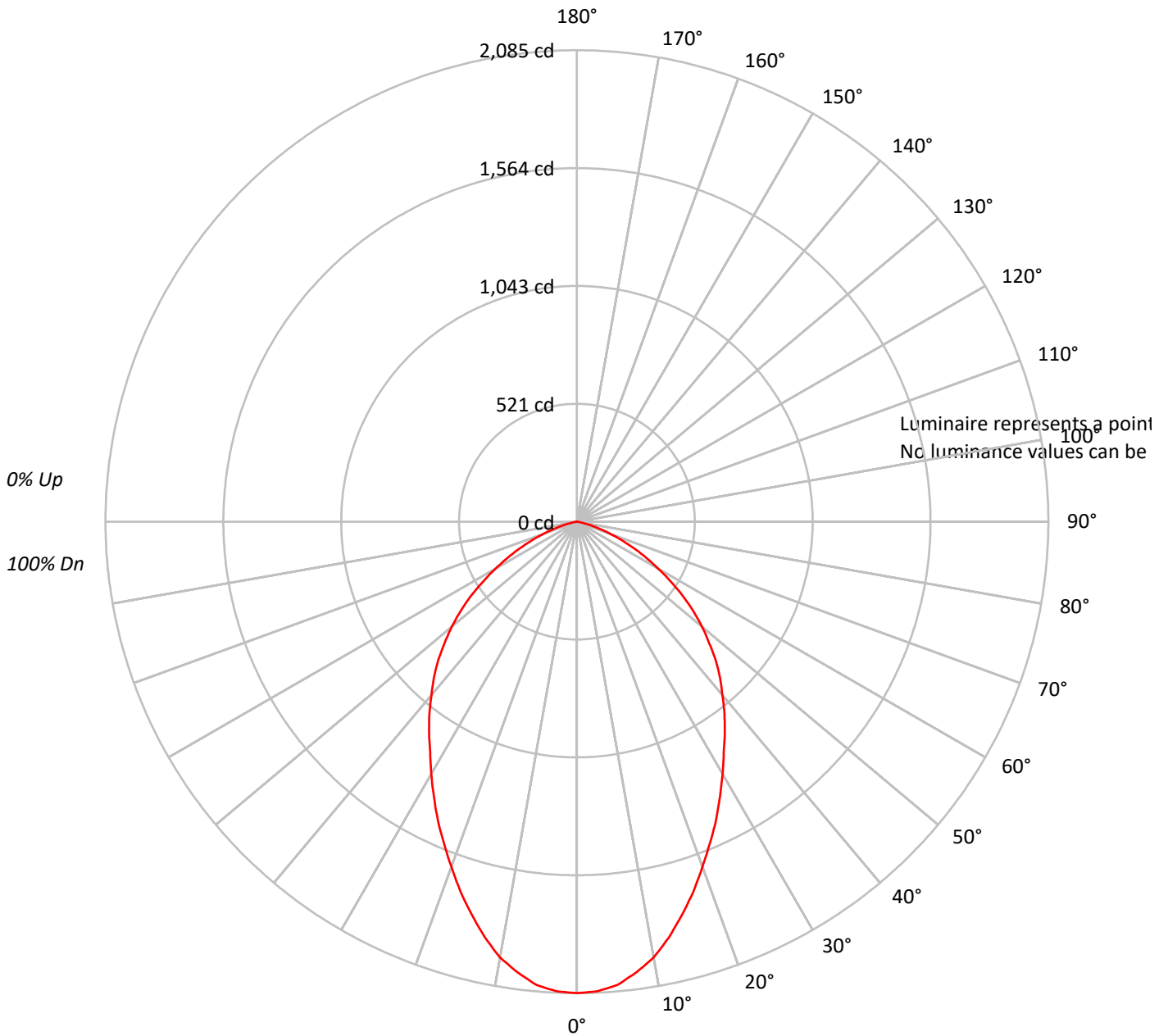
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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
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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.9	5.4
10°-20°	504.3	14.0
20°-30°	668.8	18.5
30°-40°	713.3	19.8
40°-50°	666.8	18.5
50°-60°	508.4	14.1
60°-70°	276.6	7.7
70°-80°	74.2	2.1
80°-90°	0.9	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°	1366.0	37.9
0°-40°	2079.3	57.7
0°-60°	3254.5	90.2
0°-90°	3606.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3606.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2085	
5°	2057	193
15°	1798	504
25°	1456	669
35°	1140	713
45°	868	667
55°	572	508
65°	276	277
75°	64	74
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2085.3
2.5°	2078.7
5°	2056.6
7.5°	2010.2
10°	1957.2
12.5°	1882.1
15°	1798.2
17.5°	1714.2
20°	1623.6
22.5°	1537.5
25°	1455.8
27.5°	1369.6
30°	1287.9
32.5°	1208.3
35°	1139.9
37.5°	1071.4
40°	1000.7
42.5°	936.6
45°	868.2
47.5°	793.0
50°	722.4
52.5°	647.2
55°	572.1
57.5°	490.4
60°	415.3
62.5°	344.6
65°	276.1
67.5°	214.3
70°	156.8
72.5°	108.2
75°	64.1
77.5°	28.7
80°	6.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)