

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: P202853

Luminaire Tested: **LSR6B40D010BZ EC6B30508050 6LBWWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202853
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 EC6B30508050 6LBWWH1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH WHEAT 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: 3954.2 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

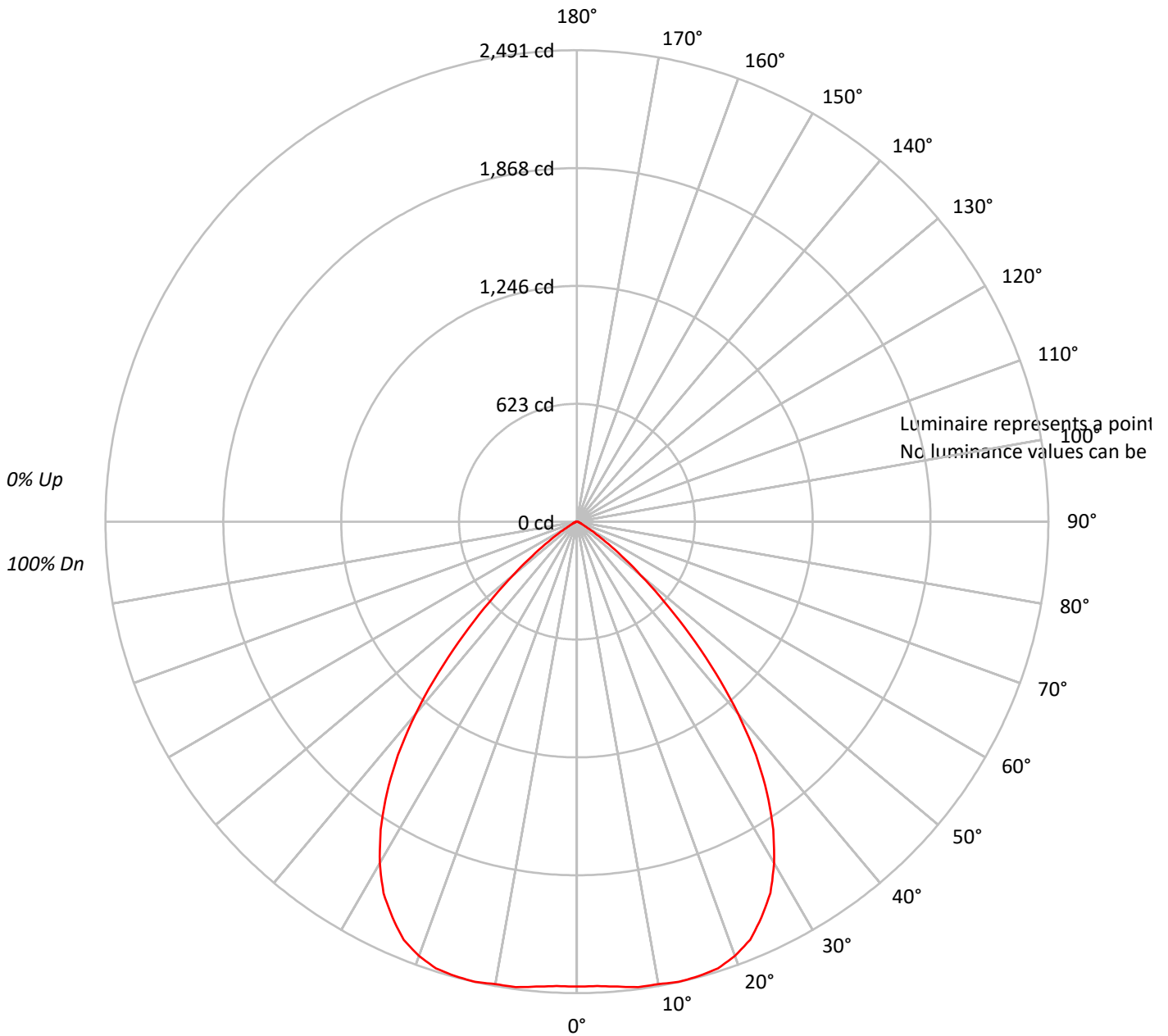
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92																			
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83																			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75																			
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68																			
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62																			
6	82	71	64	59	80	71	64	59	69	63	59	67	62	58	66	61	58	56																			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																			
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47																			
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43																			
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.1	6.0
10°-20°	702.0	17.8
20°-30°	1056.7	26.7
30°-40°	1080.5	27.3
40°-50°	656.2	16.6
50°-60°	184.8	4.7
60°-70°	28.1	0.7
70°-80°	9.2	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°	1994.8	50.4
0°-40°	3075.3	77.8
0°-60°	3916.3	99.0
0°-90°	3954.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3954.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2456	
5°	2466	236
15°	2486	702
25°	2307	1057
35°	1751	1080
45°	844	656
55°	184	185
65°	25	28
75°	10	9
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2456.0
2.5°	2456.0
5°	2465.9
7.5°	2480.8
10°	2480.8
12.5°	2490.7
15°	2485.7
17.5°	2475.8
20°	2441.1
22.5°	2391.5
25°	2307.1
27.5°	2212.9
30°	2083.9
32.5°	1930.0
35°	1751.4
37.5°	1553.0
40°	1324.7
42.5°	1086.6
45°	843.5
47.5°	625.2
50°	441.6
52.5°	297.7
55°	183.6
57.5°	109.2
60°	54.6
62.5°	34.7
65°	24.8
67.5°	19.8
70°	14.9
72.5°	9.9
75°	9.9
77.5°	5.0
80°	5.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)