

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: P203374

Luminaire Tested: **LSR6B40D010BZ EC6B30509050 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203374
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 EC6B30509050 6LBMWH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM 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: 2874.1 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

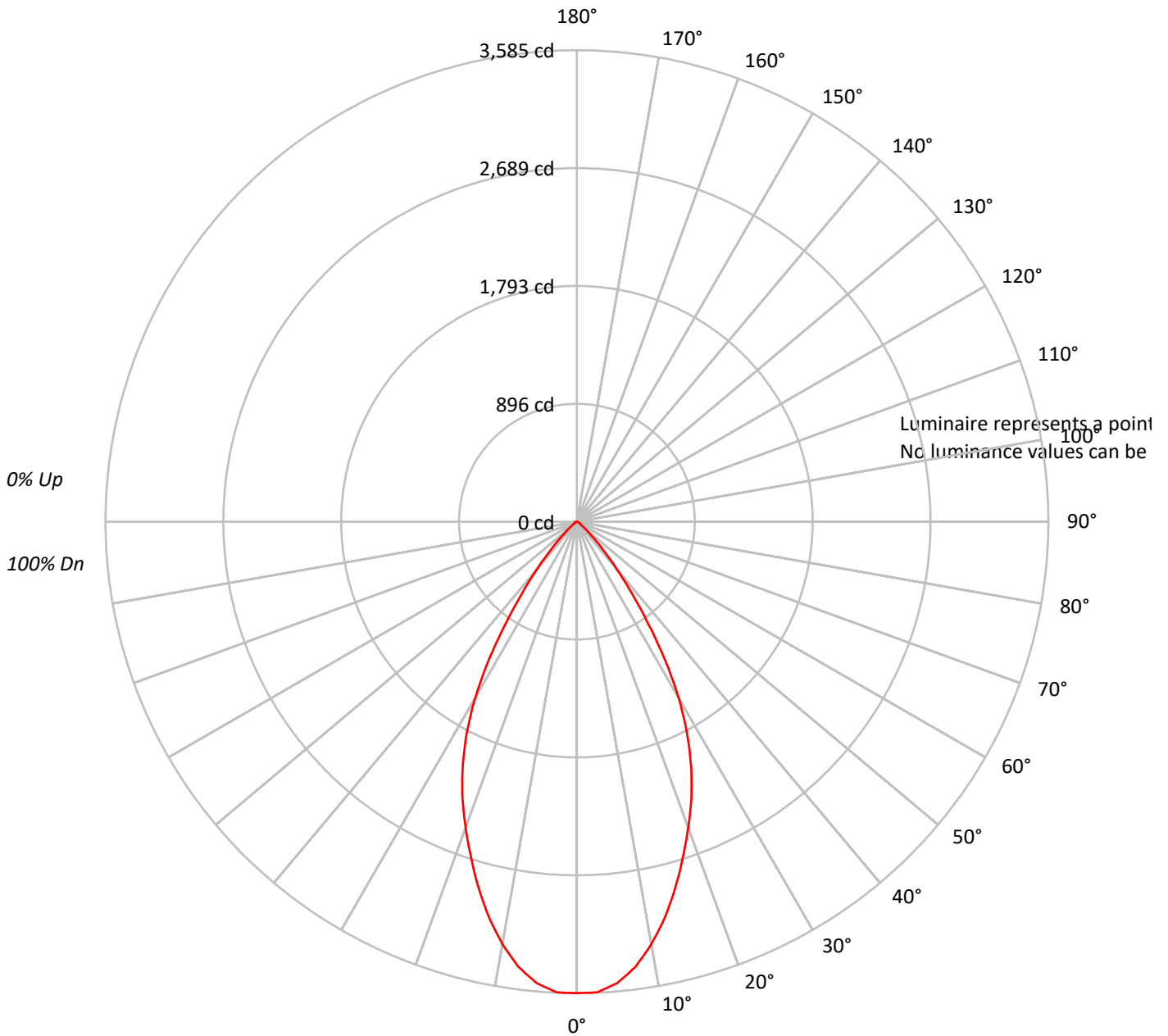
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87																			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																			
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																			
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																			
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66																			
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62																			
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58																			
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55																			
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.8	11.4
10°-20°	804.7	28.0
20°-30°	931.1	32.4
30°-40°	595.1	20.7
40°-50°	168.8	5.9
50°-60°	30.1	1.0
60°-70°	12.3	0.4
70°-80°	4.2	0.1
80°-90°	0.0	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°	2063.5	71.8
0°-40°	2658.7	92.5
0°-60°	2857.6	99.4
0°-90°	2874.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2874.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3585	
5°	3522	328
15°	2886	805
25°	2054	931
35°	939	595
45°	196	169
55°	28	30
65°	12	12
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3585.4
2.5°	3581.4
5°	3521.5
7.5°	3413.5
10°	3261.6
12.5°	3085.8
15°	2885.9
17.5°	2678.1
20°	2474.2
22.5°	2274.4
25°	2054.5
27.5°	1814.7
30°	1546.9
32.5°	1247.1
35°	939.3
37.5°	679.5
40°	471.7
42.5°	311.8
45°	195.9
47.5°	115.9
50°	68.0
52.5°	40.0
55°	28.0
57.5°	24.0
60°	20.0
62.5°	16.0
65°	12.0
67.5°	8.0
70°	8.0
72.5°	4.0
75°	4.0
77.5°	4.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)