

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: P203161

Luminaire Tested: **LSR6B40D010BZ EC6B30508040 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203161
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 EC6B30508040 6LBWMW1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH MATTE WHITE 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: 4090.3 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

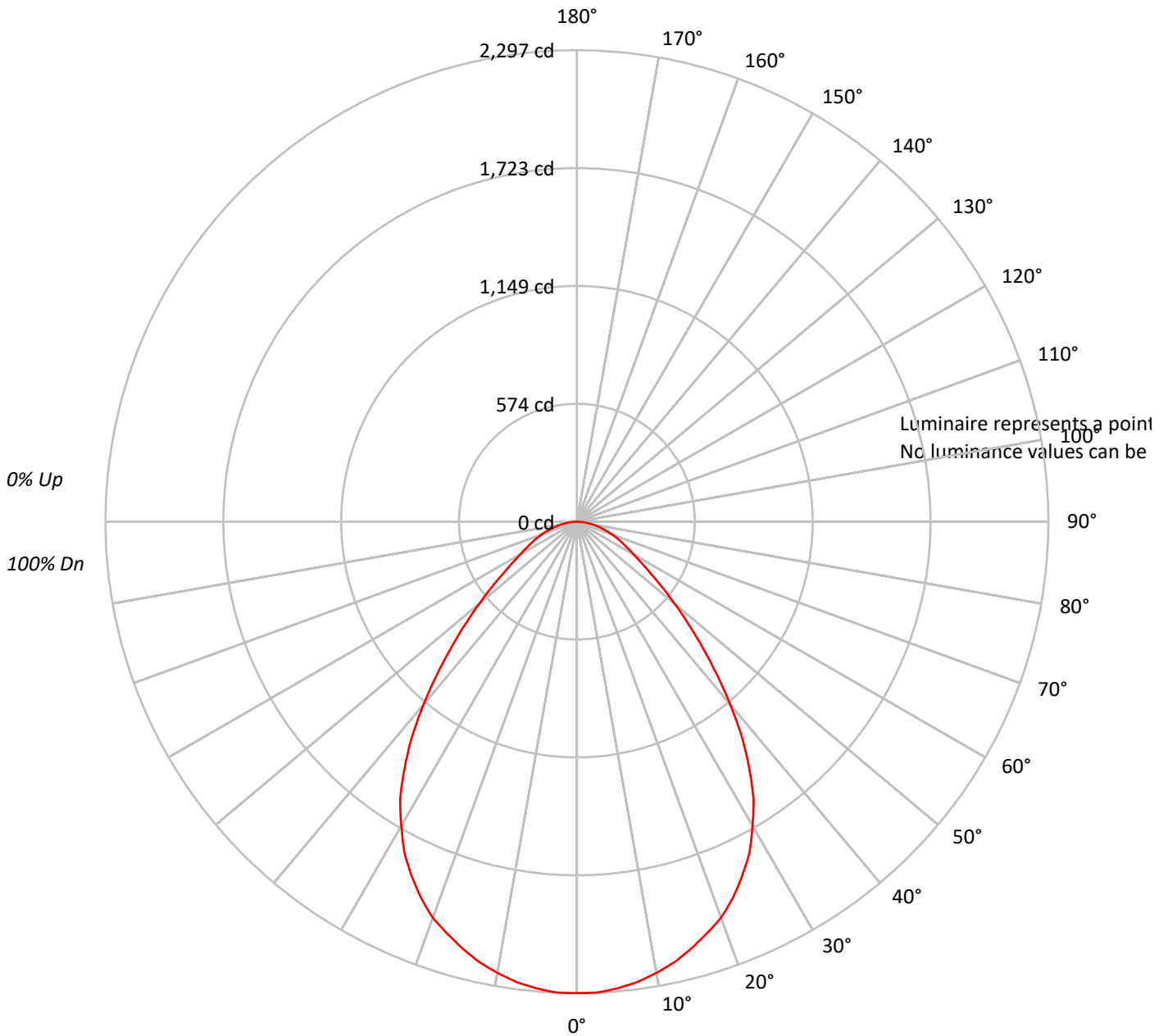
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88																																				
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77																																				
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68																																				
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																																				
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54																																				
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																																				
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44																																				
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40																																				
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37																																				
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.3	5.3
10°-20°	606.6	14.8
20°-30°	874.1	21.4
30°-40°	907.5	22.2
40°-50°	670.9	16.4
50°-60°	400.8	9.8
60°-70°	243.5	6.0
70°-80°	133.4	3.3
80°-90°	37.1	0.9
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°	1697.0	41.5
0°-40°	2604.5	63.7
0°-60°	3676.2	89.9
0°-90°	4090.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4090.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2297	
5°	2282	216
15°	2153	607
25°	1905	874
35°	1464	907
45°	863	671
55°	437	401
65°	243	244
75°	124	133
85°	30	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2296.9
2.5°	2296.9
5°	2282.0
7.5°	2262.2
10°	2232.4
12.5°	2197.7
15°	2153.1
17.5°	2103.5
20°	2053.8
22.5°	1984.4
25°	1905.0
27.5°	1820.7
30°	1711.5
32.5°	1602.4
35°	1463.5
37.5°	1319.6
40°	1160.9
42.5°	1007.1
45°	863.2
47.5°	734.2
50°	620.1
52.5°	520.9
55°	436.6
57.5°	372.1
60°	317.5
62.5°	277.8
65°	243.1
67.5°	213.3
70°	183.6
72.5°	153.8
75°	124.0
77.5°	99.2
80°	74.4
82.5°	54.6
85°	29.8
87.5°	14.9
90°	0.0



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— 0°-180°







(END OF REPORT)