

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: P203264

Luminaire Tested: **LSR6B40D010BZ EC6B30508040 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203264
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 6LBMH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 3163.1 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

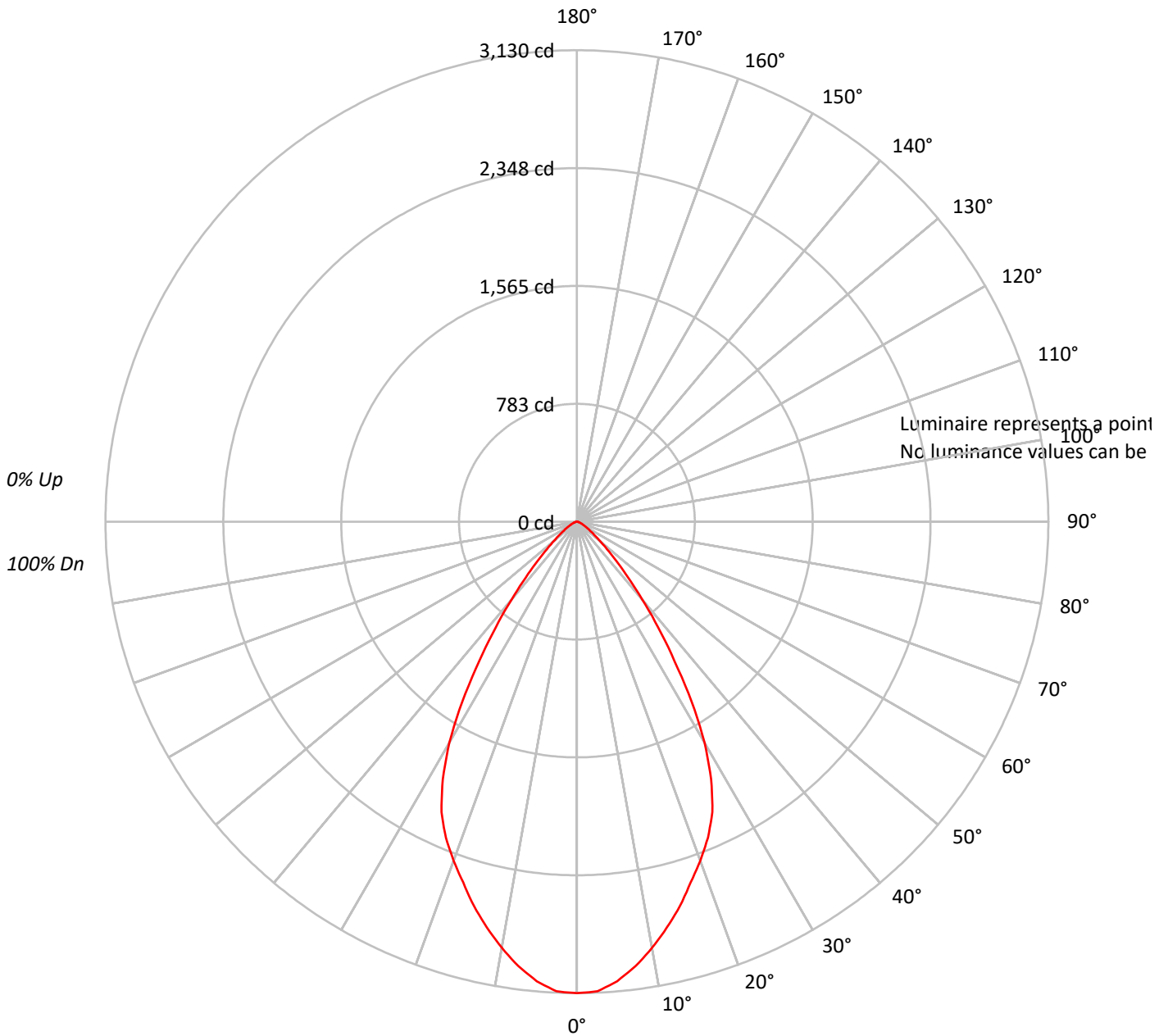
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.2	9.0
10°-20°	740.4	23.4
20°-30°	959.4	30.3
30°-40°	712.3	22.5
40°-50°	300.7	9.5
50°-60°	106.8	3.4
60°-70°	41.2	1.3
70°-80°	14.3	0.5
80°-90°	1.8	0.1
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°	1986.1	62.8
0°-40°	2698.3	85.3
0°-60°	3105.8	98.2
0°-90°	3163.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3163.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3130	
5°	3062	286
15°	2642	740
25°	2128	959
35°	1129	712
45°	370	301
55°	113	107
65°	41	41
75°	14	14
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3130.3
2.5°	3121.3
5°	3062.5
7.5°	2976.7
10°	2872.8
12.5°	2759.9
15°	2642.5
17.5°	2511.5
20°	2394.0
22.5°	2272.1
25°	2127.5
27.5°	1928.8
30°	1693.9
32.5°	1418.3
35°	1129.3
37.5°	885.3
40°	673.0
42.5°	501.4
45°	370.4
47.5°	271.0
50°	198.7
52.5°	149.1
55°	112.9
57.5°	85.8
60°	67.8
62.5°	49.7
65°	40.7
67.5°	31.6
70°	22.6
72.5°	18.1
75°	13.6
77.5°	9.0
80°	4.5
82.5°	4.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)