

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: PP201213

Luminaire Tested: **LSR6B15D010BZ EC6B10208035 6LBW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: PP201213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35119)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR6B15D010BZ EC6B10208035 6LBW1LI
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1519.0 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.17
Luminous Opening: Circular (Dia: 1.12' x H: 0')
CIE Type: Direct

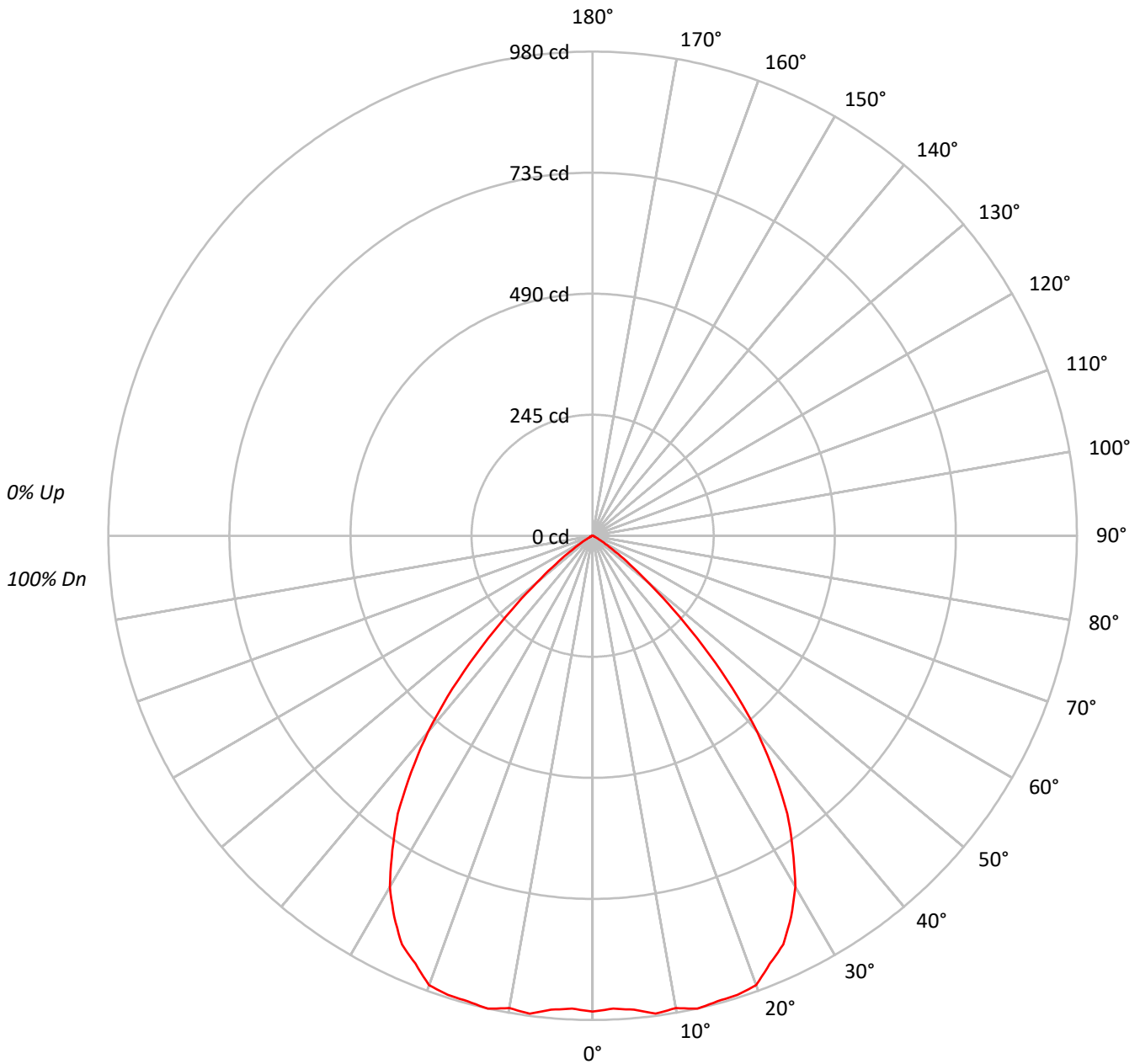
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92																																				
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	84																																				
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	77	76																																				
4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69																																				
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63																																				
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57																																				
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52																																				
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48																																				
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																																				
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	10426
5°	10466
10°	10672
15°	10936
20°	11151
25°	10906
30°	10261
35°	9086
40°	7318
45°	4835
50°	2461
55°	1055
60°	340
65°	151
70°	92
75°	84
80°	62
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	6.1
10°-20°	276.3	18.2
20°-30°	416.3	27.4
30°-40°	422.4	27.8
40°-50°	245.5	16.2
50°-60°	57.3	3.8
60°-70°	6.6	0.4
70°-80°	2.1	0.1
80°-90°	0.1	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°	785.0	51.7
0°-40°	1207.4	79.5
0°-60°	1510.2	99.4
0°-90°	1519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1519.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	963	
5°	963	92
15°	976	276
25°	913	416
35°	687	422
45°	316	245
55°	56	57
65°	6	7
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	962.8
2.5°	957.9
5°	962.8
7.5°	975.5
10°	970.6
12.5°	980.4
15°	975.5
17.5°	974.5
20°	967.7
22.5°	937.3
25°	912.8
27.5°	869.6
30°	820.6
32.5°	754.0
35°	687.3
37.5°	603.0
40°	517.7
42.5°	419.6
45°	315.7
47.5°	221.6
50°	146.1
52.5°	93.1
55°	55.9
57.5°	30.4
60°	15.7
62.5°	7.8
65°	5.9
67.5°	3.9
70°	2.9
72.5°	2.9
75°	2.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)