

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: PP201214

Luminaire Tested: **LSR6B40D010BZ EC6B30508035 6LBW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: PP201214
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: LSR6B40D010BZ EC6B30508035 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: 4326.1 lumens
Efficiency: N/A
Efficacy: 103.5 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

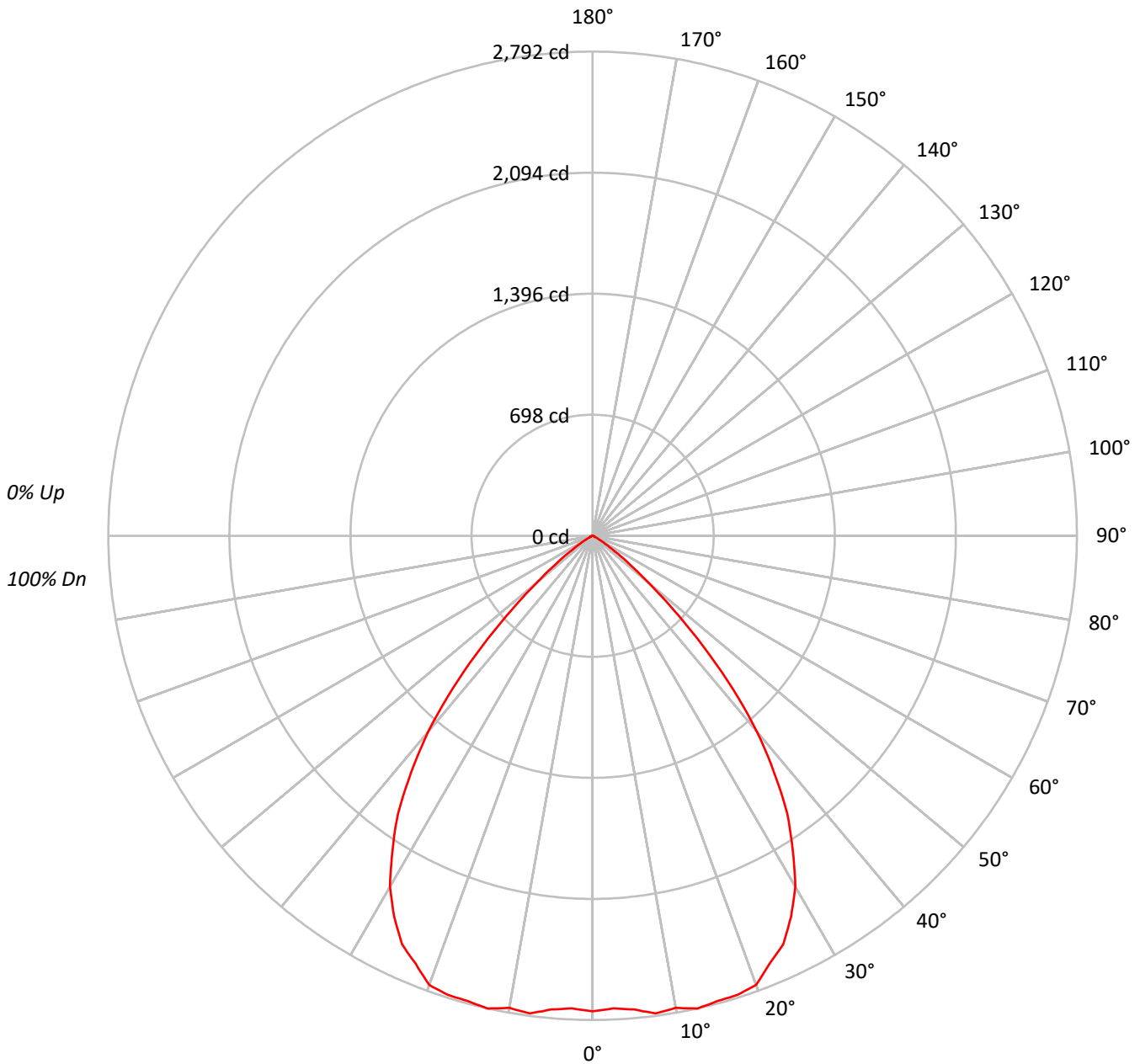
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									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	100	100	98	97	96	95	94	92	92	92	90	87	85	84													
	1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92	92	92	90	87	85	84	84	84	84	82	81	80	79	76													
	2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	84	84	84	82	79	77	74	70	69	69	69	67	66	64	63													
	3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	77	76	76	76	75	71	77	74	70	69	69	69	67	66	64	63													
	4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69	69	69	69	65	72	68	64	63	63	63	63	62	61	60	57												
	5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63	63	63	65	65	72	68	64	63	63	63	63	62	61	60	57												
	6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57	57	57	59	59	67	62	59	57	57	57	57	57	57	57	57												
	7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52	52	52	54	54	62	57	54	52	52	52	52	52	52	52	52												
	8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48	48	48	50	50	58	53	49	48	48	48	48	48	48	48	48												
	9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44	44	44	46	46	54	49	46	44	44	44	44	44	44	44	44	44											
	10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41	41	41	42	42	51	46	42	41	41	41	41	41	41	41	41	41											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	29691
5°	29805
10°	30395
15°	31145
20°	31758
25°	31059
30°	29223
35°	25874
40°	20840
45°	13769
50°	7008
55°	3006
60°	968
65°	430
70°	266
75°	234
80°	175
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.3	6.1
10°-20°	786.8	18.2
20°-30°	1185.5	27.4
30°-40°	1203.0	27.8
40°-50°	699.1	16.2
50°-60°	163.2	3.8
60°-70°	18.9	0.4
70°-80°	5.9	0.1
80°-90°	0.4	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°	2235.6	51.7
0°-40°	3438.6	79.5
0°-60°	4300.9	99.4
0°-90°	4326.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4326.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2742	
5°	2742	263
15°	2778	787
25°	2600	1185
35°	1957	1203
45°	899	699
55°	159	163
65°	17	19
75°	6	6
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2741.9
2.5°	2728.0
5°	2741.9
7.5°	2778.2
10°	2764.3
12.5°	2792.2
15°	2778.2
17.5°	2775.4
20°	2755.9
22.5°	2669.3
25°	2599.5
27.5°	2476.7
30°	2337.1
32.5°	2147.2
35°	1957.3
37.5°	1717.2
40°	1474.3
42.5°	1195.1
45°	899.1
47.5°	631.0
50°	416.0
52.5°	265.3
55°	159.2
57.5°	86.6
60°	44.7
62.5°	22.3
65°	16.8
67.5°	11.2
70°	8.4
72.5°	8.4
75°	5.6
77.5°	2.8
80°	2.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)