

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: P204871

Luminaire Tested: **LSR6B10D010BZ EC6B10209727 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204871
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: LSR6B10D010BZ EC6B10209727 6LBCSMB1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 704.5 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

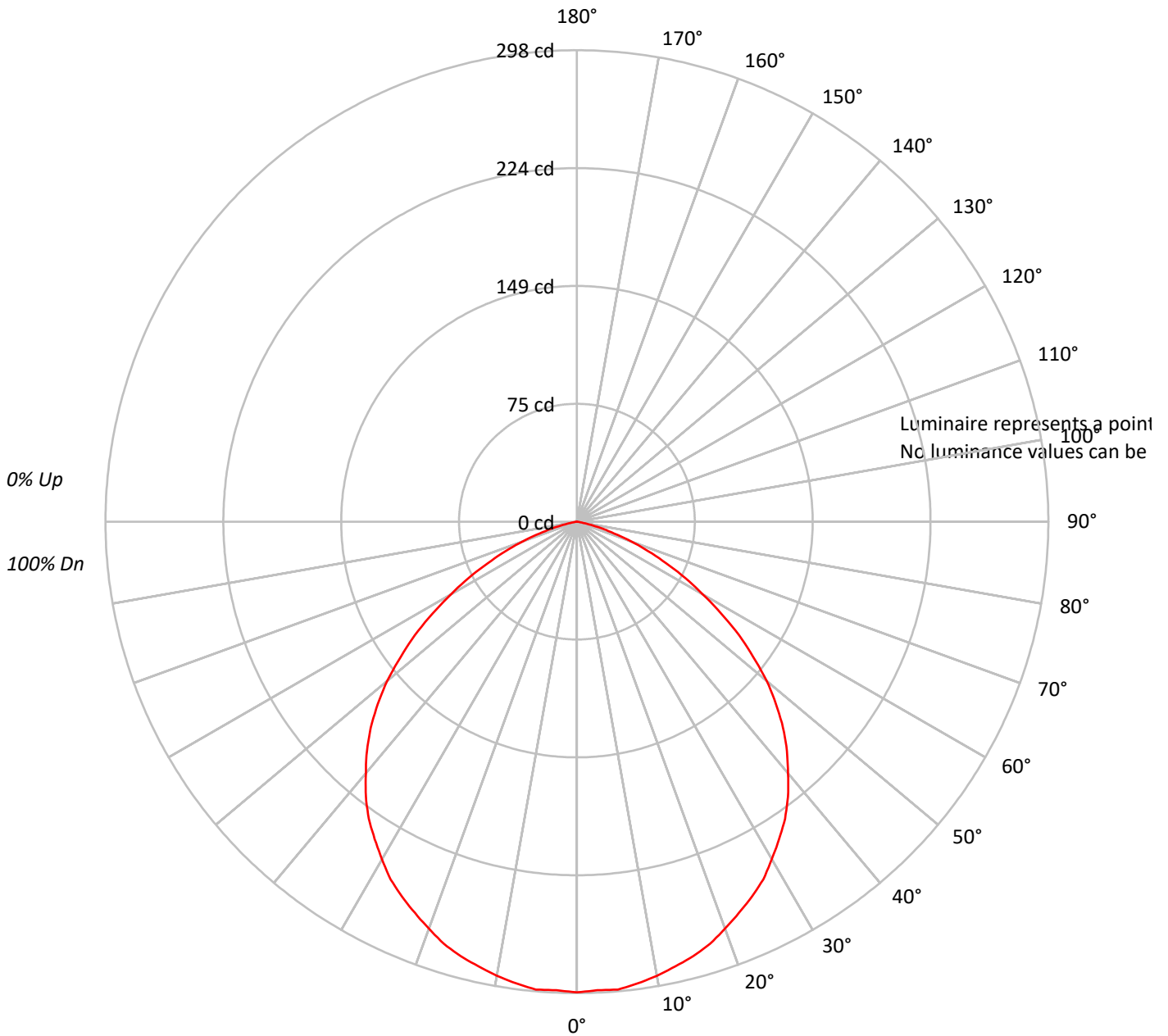
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100		
	1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88	88	88	88	88	88		
	2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75	75	75	75	75	75		
	3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65	65	65	65	65	65		
	4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56	56	56	56	56	56		
	5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49	49	49	49	49	49		
	6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43	43	43	43	43	43		
	7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39	39	39	39	39	39		
	8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35	35	35	35	35	35		
	9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31	31	31	31	31	31		
	10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28	28	28	28	28	28		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	4.0
10°-20°	80.2	11.4
20°-30°	120.5	17.1
30°-40°	143.0	20.3
40°-50°	141.5	20.1
50°-60°	111.1	15.8
60°-70°	62.3	8.8
70°-80°	17.5	2.5
80°-90°	0.3	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°	228.8	32.5
0°-40°	371.8	52.8
0°-60°	624.4	88.6
0°-90°	704.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	704.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	298	
5°	297	28
15°	284	80
25°	262	120
35°	229	143
45°	184	141
55°	125	111
65°	62	62
75°	15	18
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	297.5
2.5°	296.4
5°	296.9
7.5°	294.4
10°	291.4
12.5°	287.9
15°	284.3
17.5°	279.8
20°	273.7
22.5°	267.7
25°	261.6
27.5°	255.0
30°	246.4
32.5°	237.9
35°	229.3
37.5°	219.2
40°	207.6
42.5°	196.5
45°	184.3
47.5°	170.7
50°	156.6
52.5°	140.4
55°	125.2
57.5°	108.1
60°	91.9
62.5°	77.3
65°	62.1
67.5°	49.0
70°	36.4
72.5°	24.7
75°	15.2
77.5°	7.6
80°	2.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)