

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: P204923

Luminaire Tested: **LSR6B40D010BZ EC6B30509730 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204923
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 EC6B30509730 6LBCSMB1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK 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: 2894.2 lumens
Efficiency: N/A
Efficacy: 69.2 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

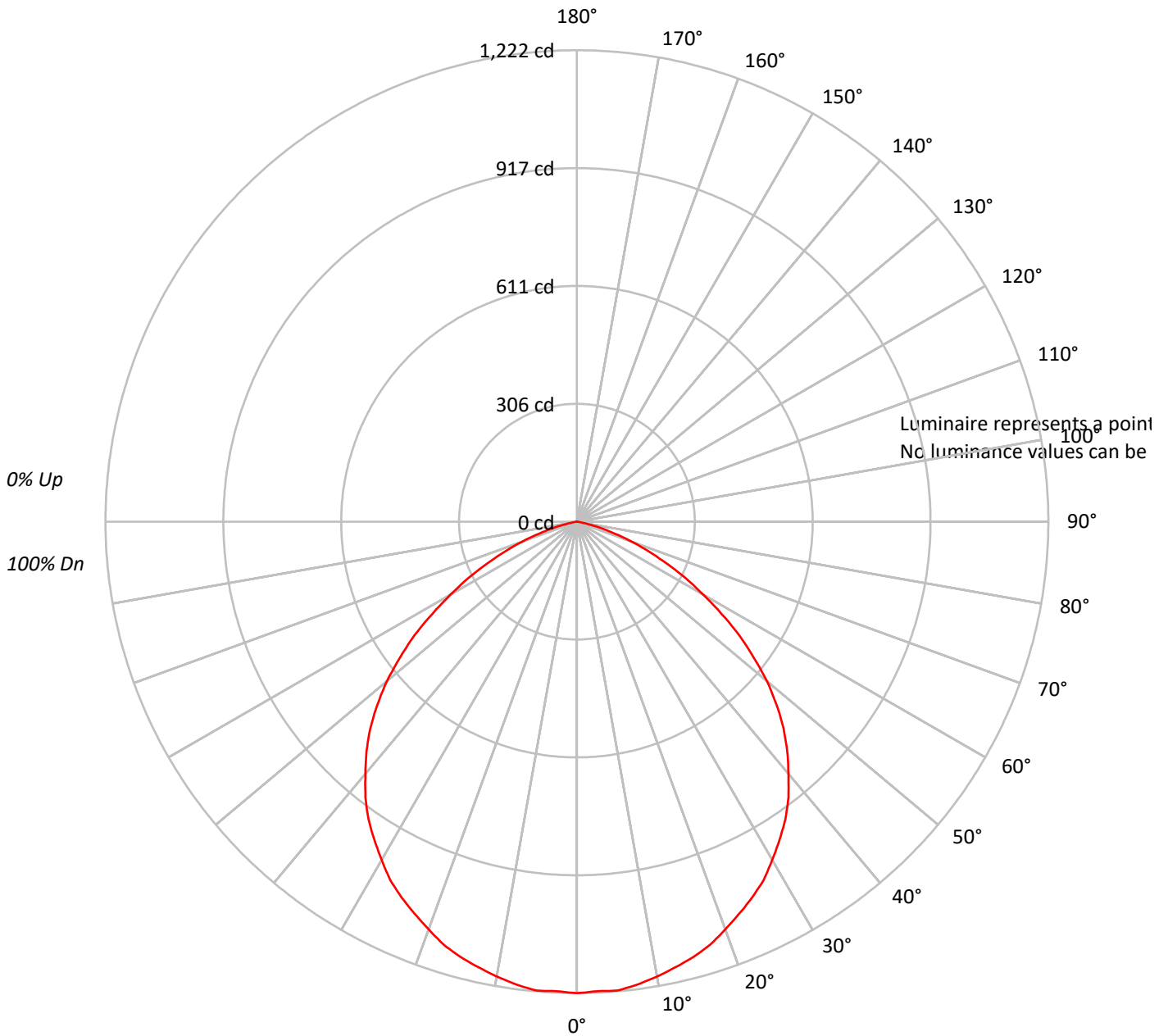
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	4.0
10°-20°	329.3	11.4
20°-30°	495.0	17.1
30°-40°	587.4	20.3
40°-50°	581.3	20.1
50°-60°	456.6	15.8
60°-70°	256.0	8.8
70°-80°	71.9	2.5
80°-90°	1.1	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°	940.0	32.5
0°-40°	1527.4	52.8
0°-60°	2565.2	88.6
0°-90°	2894.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2894.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1222	
5°	1220	116
15°	1168	329
25°	1075	495
35°	942	587
45°	757	581
55°	515	457
65°	255	256
75°	62	72
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1222.1
2.5°	1218.0
5°	1220.0
7.5°	1209.7
10°	1197.2
12.5°	1182.7
15°	1168.2
17.5°	1149.5
20°	1124.6
22.5°	1099.7
25°	1074.8
27.5°	1047.8
30°	1012.5
32.5°	977.3
35°	942.0
37.5°	900.5
40°	852.8
42.5°	807.1
45°	757.3
47.5°	701.3
50°	643.2
52.5°	576.8
55°	514.6
57.5°	444.0
60°	377.6
62.5°	317.5
65°	255.2
67.5°	201.3
70°	149.4
72.5°	101.7
75°	62.2
77.5°	31.1
80°	8.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)