

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: P203347

Luminaire Tested: **LSR6B20D010BZ EC6B10209040 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203347
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: LSR6B20D010BZ EC6B10209040 6LBMWH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1395.7 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

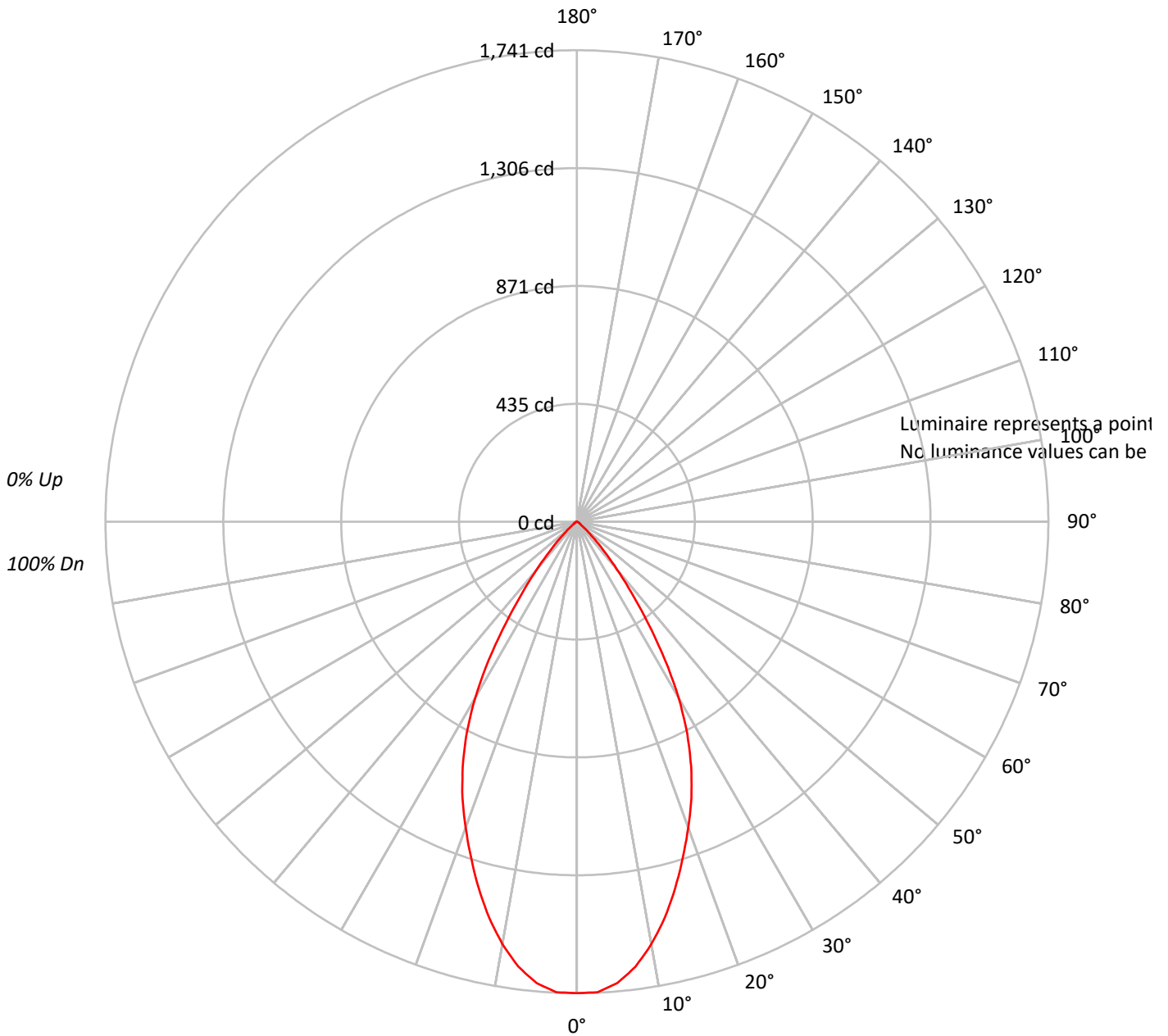
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																																				
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87																																				
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																																				
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																																				
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																																				
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66																																				
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62																																				
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58																																				
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55																																				
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	11.4
10°-20°	390.8	28.0
20°-30°	452.1	32.4
30°-40°	289.0	20.7
40°-50°	81.9	5.9
50°-60°	14.6	1.0
60°-70°	6.0	0.4
70°-80°	2.0	0.1
80°-90°	0.0	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°	1002.1	71.8
0°-40°	1291.1	92.5
0°-60°	1387.7	99.4
0°-90°	1395.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1395.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1741	
5°	1710	159
15°	1402	391
25°	998	452
35°	456	289
45°	95	82
55°	14	15
65°	6	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1741.2
2.5°	1739.2
5°	1710.1
7.5°	1657.7
10°	1583.9
12.5°	1498.5
15°	1401.5
17.5°	1300.5
20°	1201.5
22.5°	1104.5
25°	997.7
27.5°	881.3
30°	751.2
32.5°	605.6
35°	456.2
37.5°	330.0
40°	229.0
42.5°	151.4
45°	95.1
47.5°	56.3
50°	33.0
52.5°	19.4
55°	13.6
57.5°	11.6
60°	9.7
62.5°	7.8
65°	5.8
67.5°	3.9
70°	3.9
72.5°	1.9
75°	1.9
77.5°	1.9
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)