

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: P205499

Luminaire Tested: **LSR6B20D010BZ EC6B10208040 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205499
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 EC6B10208040 6LBMGPH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE 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: 1177.8 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

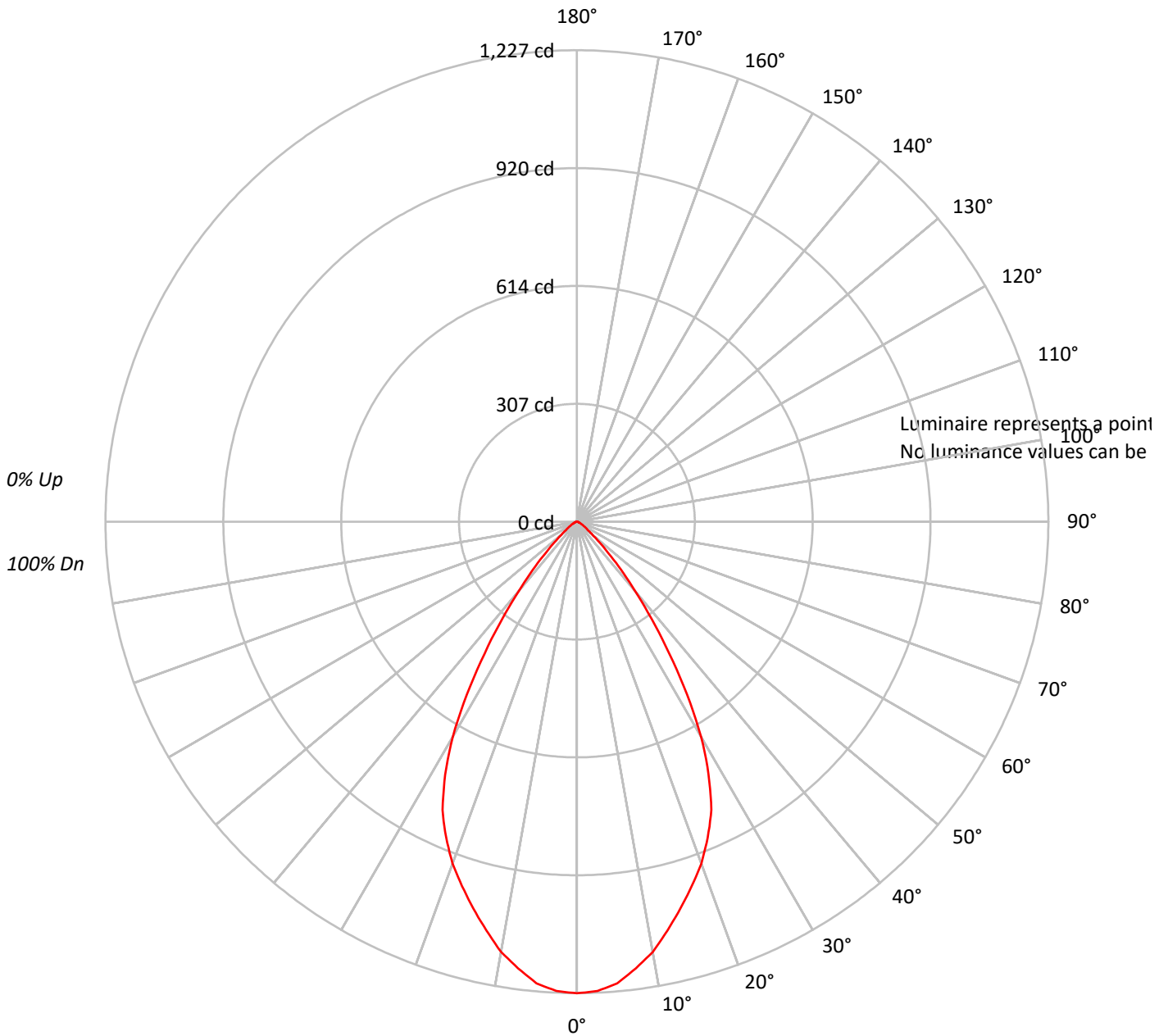
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93																																				
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86																																				
3	102	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79																																				
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73																																				
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68																																				
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63																																				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																																				
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55																																				
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51																																				
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.7	9.6
10°-20°	292.6	24.8
20°-30°	372.8	31.6
30°-40°	263.4	22.4
40°-50°	96.2	8.2
50°-60°	26.7	2.3
60°-70°	9.7	0.8
70°-80°	3.5	0.3
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°	778.1	66.1
0°-40°	1041.5	88.4
0°-60°	1164.4	98.9
0°-90°	1177.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1177.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1227	
5°	1206	113
15°	1042	293
25°	828	373
35°	419	263
45°	117	96
55°	28	27
65°	10	10
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1227.4
2.5°	1222.6
5°	1205.9
7.5°	1172.6
10°	1137.0
12.5°	1089.4
15°	1041.8
17.5°	994.2
20°	946.7
22.5°	889.6
25°	827.7
27.5°	742.1
30°	647.0
32.5°	532.8
35°	418.6
37.5°	318.7
40°	233.1
42.5°	168.9
45°	116.6
47.5°	78.5
50°	52.3
52.5°	35.7
55°	28.5
57.5°	21.4
60°	16.7
62.5°	11.9
65°	9.5
67.5°	7.1
70°	4.8
72.5°	4.8
75°	2.4
77.5°	2.4
80°	2.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)