

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: P203034

Luminaire Tested: **LSR6B20D010BZ EC6B10209024 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203034
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 EC6B10209024 6LBWB1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SPECULAR BLACK 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: 828.4 lumens
Efficiency: N/A
Efficacy: 39.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

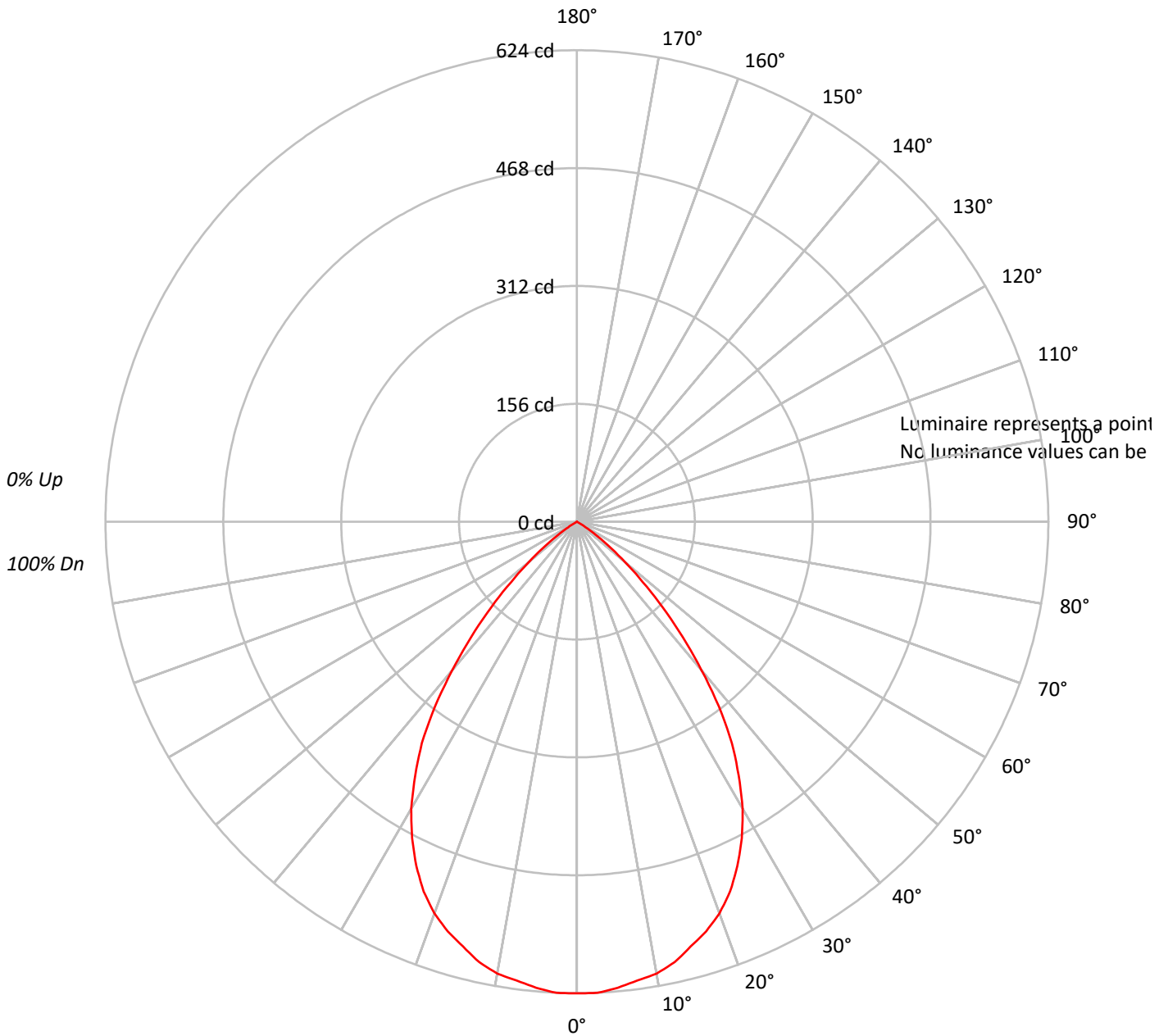
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
RC	80									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	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																											
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																											
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77																											
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																											
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64																											
6	83	73	67	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59																											
7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54																											
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50																											
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46																											
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	42																											

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	7.1
10°-20°	164.1	19.8
20°-30°	229.9	27.8
30°-40°	219.6	26.5
40°-50°	125.1	15.1
50°-60°	30.6	3.7
60°-70°	0.4	0.0
70°-80°	0.0	0.0
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°	452.7	54.7
0°-40°	672.3	81.2
0°-60°	827.9	100.0
0°-90°	828.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	828.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	624	
5°	619	59
15°	582	164
25°	503	230
35°	358	220
45°	160	125
55°	30	31
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	624.3
2.5°	624.3
5°	619.2
7.5°	612.5
10°	607.4
12.5°	597.3
15°	582.1
17.5°	568.6
20°	551.7
22.5°	529.8
25°	502.8
27.5°	472.4
30°	438.7
32.5°	398.2
35°	357.7
37.5°	308.8
40°	256.5
42.5°	207.5
45°	160.3
47.5°	118.1
50°	82.7
52.5°	52.3
55°	30.4
57.5°	13.5
60°	3.4
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
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)