

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: P202622

Luminaire Tested: **LD6B20D010 EU6B10209024 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202622
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: LD6B20D010 EU6B10209024 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM 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: 1155.2 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

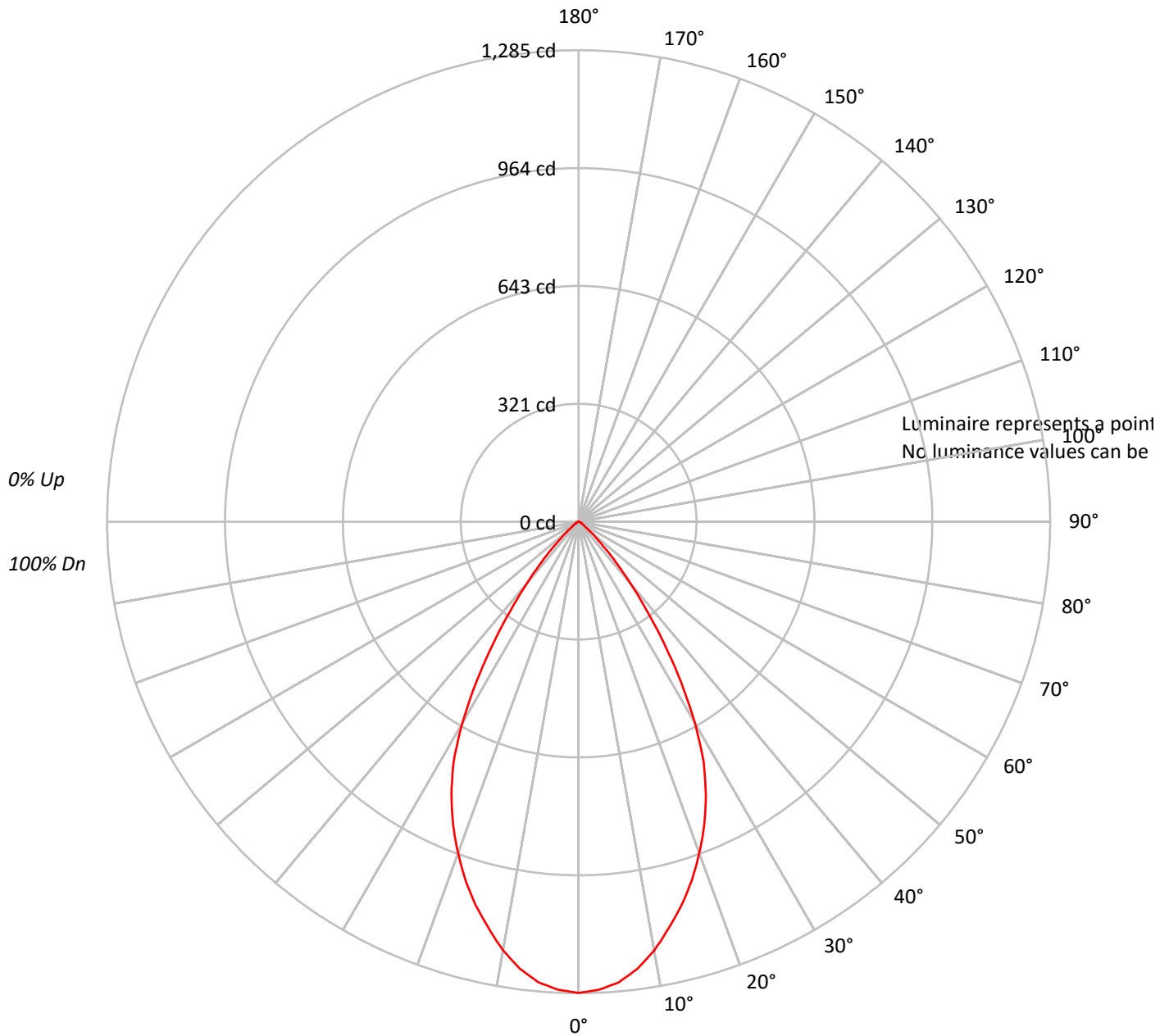
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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			100
1	113	111	108	106	111	108	106	104		104	103	101			101	99	98			93
2	108	103	99	95	105	101	97	94		98	95	92			95	92	90			86
3	102	95	90	86	100	94	89	86		91	88	84			89	86	83			80
4	97	89	83	79	95	88	83	79		86	81	78			84	80	77			74
5	92	83	77	73	90	82	77	73		80	76	72			79	75	71			69
6	87	78	72	67	85	77	71	67		76	71	67			74	70	66			64
7	83	73	67	63	81	72	67	63		71	66	62			70	65	62			60
8	78	69	63	58	77	68	62	58		67	62	58			66	61	58			56
9	75	65	59	55	73	64	59	55		63	58	54			62	58	54			53
10	71	61	55	51	70	61	55	51		60	55	51			59	54	51			50

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	10.2
10°-20°	302.7	26.2
20°-30°	371.8	32.2
30°-40°	254.9	22.1
40°-50°	81.9	7.1
50°-60°	16.6	1.4
60°-70°	6.5	0.6
70°-80°	2.5	0.2
80°-90°	0.4	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°	792.3	68.6
0°-40°	1047.3	90.7
0°-60°	1145.8	99.2
0°-90°	1155.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1155.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1285	
5°	1260	118
15°	1083	303
25°	820	372
35°	407	255
45°	97	82
55°	17	17
65°	7	7
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1284.6
2.5°	1276.8
5°	1260.1
7.5°	1228.8
10°	1186.6
12.5°	1134.7
15°	1082.8
17.5°	1025.0
20°	961.3
22.5°	894.6
25°	820.2
27.5°	737.9
30°	634.0
32.5°	519.3
35°	406.7
37.5°	303.8
40°	218.5
42.5°	148.9
45°	97.0
47.5°	59.8
50°	36.3
52.5°	22.5
55°	16.7
57.5°	12.7
60°	9.8
62.5°	7.8
65°	6.9
67.5°	4.9
70°	3.9
72.5°	2.9
75°	2.0
77.5°	2.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)