

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: P203238

Luminaire Tested: **LD6B20D010 EU6B10208040 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203238
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 EU6B10208040 6LBMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 1543.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

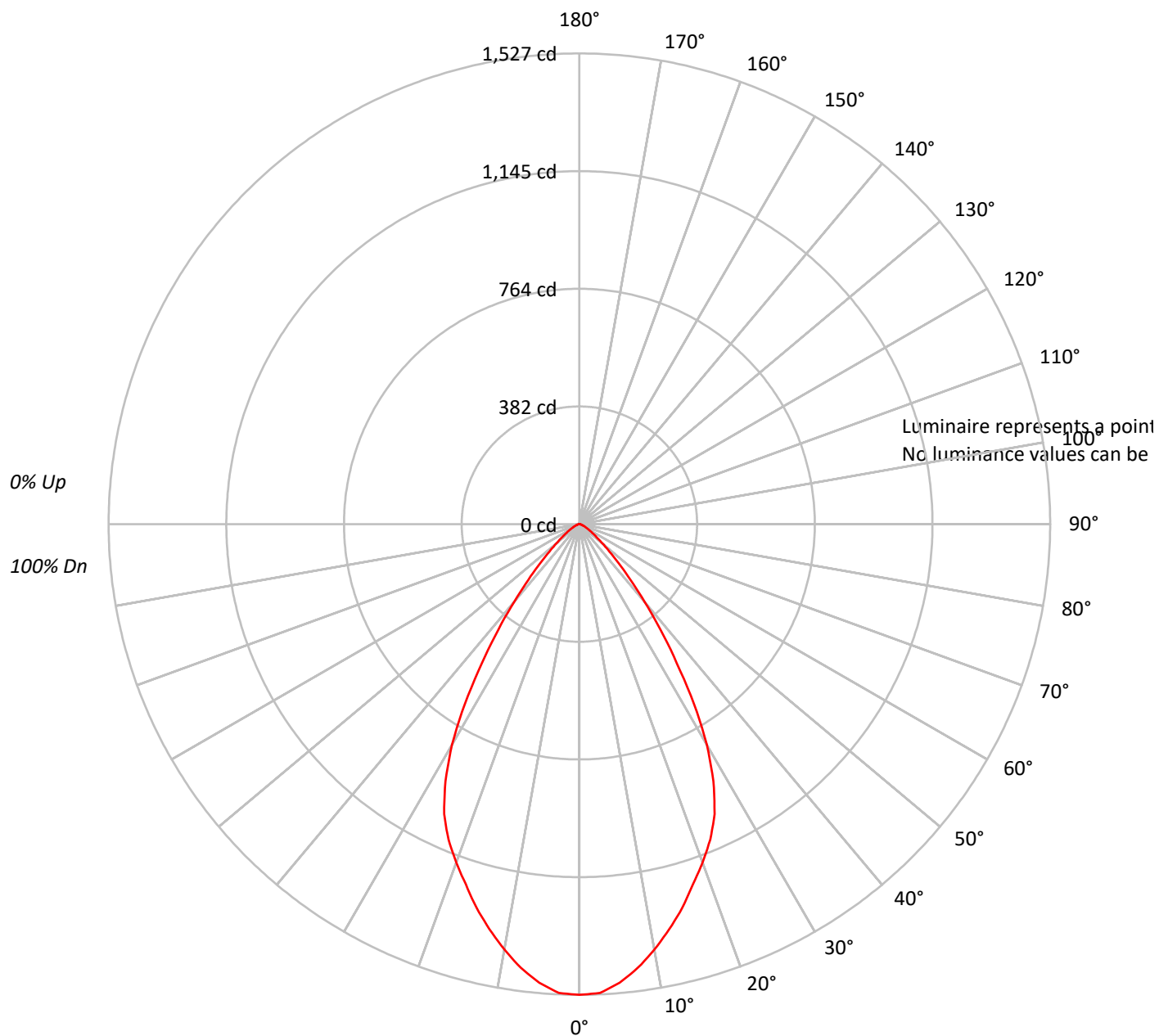
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	93		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	84		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	78	74		80	76	73
5	90	81	75	70		88	80	74	70		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	75	69	64		73	68	64		72	67	63		70	66	63
7	80	70	64	59		79	70	64	59		68	63	59		67	62	59		66	62	58
8	76	66	60	55		75	65	59	55		64	59	55		63	58	55		62	58	54
9	72	62	56	51		71	61	55	51		60	55	51		60	55	51		59	54	51
10	69	58	52	48		68	58	52	48		57	52	48		56	51	48		55	51	48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	9.0
10°-20°	361.2	23.4
20°-30°	468.0	30.3
30°-40°	347.5	22.5
40°-50°	146.7	9.5
50°-60°	52.1	3.4
60°-70°	20.1	1.3
70°-80°	6.9	0.5
80°-90°	0.9	0.1
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°	968.8	62.8
0°-40°	1316.3	85.3
0°-60°	1515.1	98.2
0°-90°	1543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1543.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1527	
5°	1494	140
15°	1289	361
25°	1038	468
35°	551	347
45°	181	147
55°	55	52
65°	20	20
75°	7	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1527.0
2.5°	1522.6
5°	1493.9
7.5°	1452.1
10°	1401.4
12.5°	1346.3
15°	1289.0
17.5°	1225.1
20°	1167.8
22.5°	1108.3
25°	1037.8
27.5°	940.9
30°	826.3
32.5°	691.9
35°	550.9
37.5°	431.9
40°	328.3
42.5°	244.6
45°	180.7
47.5°	132.2
50°	97.0
52.5°	72.7
55°	55.1
57.5°	41.9
60°	33.1
62.5°	24.2
65°	19.8
67.5°	15.4
70°	11.0
72.5°	8.8
75°	6.6
77.5°	4.4
80°	2.2
82.5°	2.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)