

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: P203656

Luminaire Tested: **LD6B20D010 EU6B10209040 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203656
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 EU6B10209040 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 1112.1 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

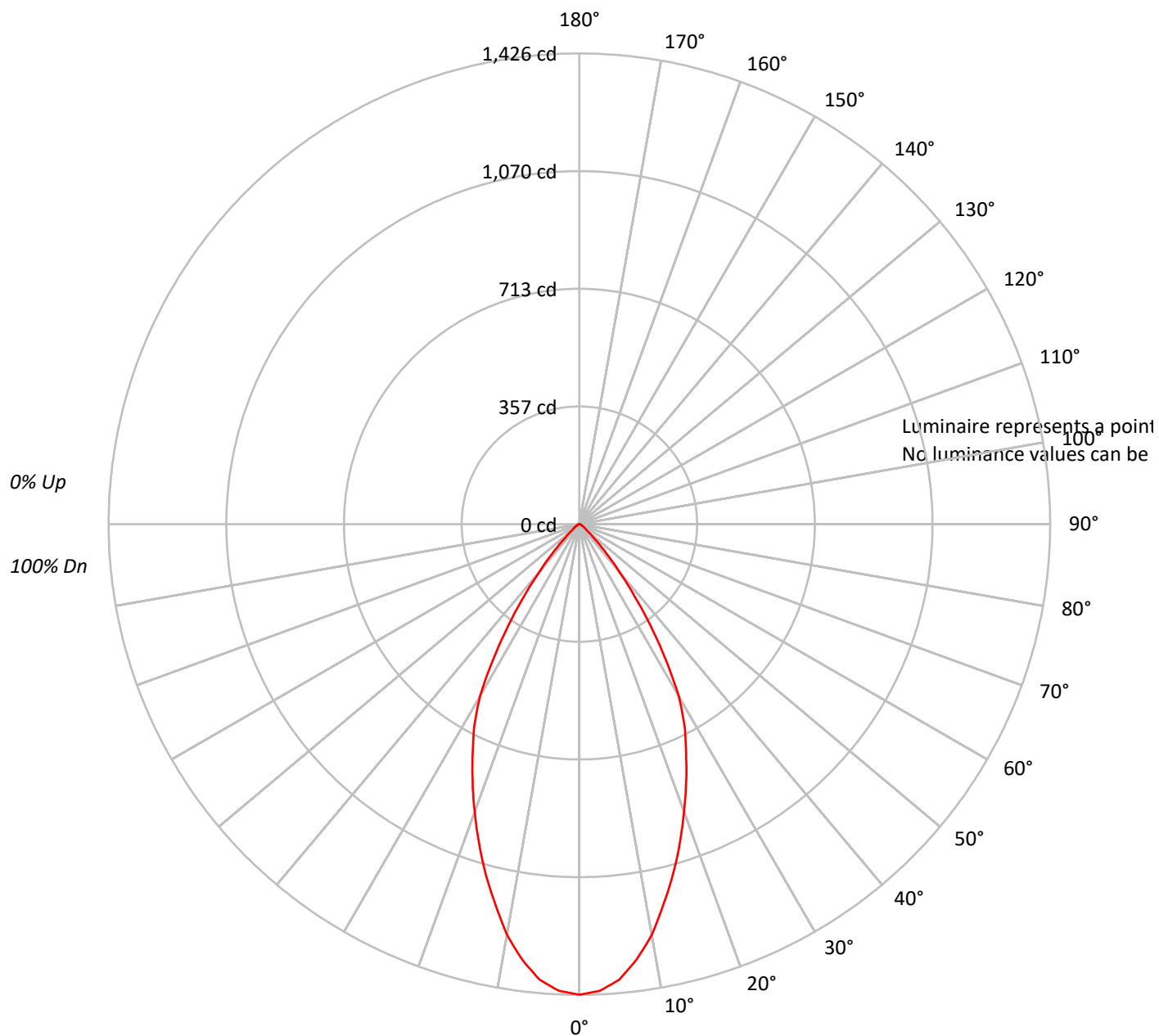
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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	111	108	106	111	109	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	96	106	101	98	94		98	95	92		95	93	90		92	90	89
3	102	96	91	87	100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80	95	89	83	79		86	82	78		84	81	78		83	79	77
5	92	84	78	74	91	83	78	73		81	76	73		80	75	72		78	74	72
6	88	79	73	69	86	78	72	68		77	72	68		75	71	67		74	70	67
7	83	74	68	64	82	73	68	64		72	67	63		71	66	63		70	66	63
8	79	70	64	60	78	69	64	60		68	63	59		67	63	59		66	62	59
9	76	66	60	56	75	66	60	56		65	59	56		64	59	56		63	59	55
10	72	62	57	53	71	62	57	53		61	56	53		60	56	52		60	55	52

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	11.5
10°-20°	305.7	27.5
20°-30°	350.2	31.5
30°-40°	235.3	21.2
40°-50°	67.2	6.0
50°-60°	16.5	1.5
60°-70°	6.3	0.6
70°-80°	2.4	0.2
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°	784.2	70.5
0°-40°	1019.5	91.7
0°-60°	1103.2	99.2
0°-90°	1112.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1112.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1426	
5°	1385	128
15°	1097	306
25°	764	350
35°	375	235
45°	77	67
55°	18	16
65°	6	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1425.6
2.5°	1415.5
5°	1385.0
7.5°	1330.3
10°	1263.4
12.5°	1178.2
15°	1097.1
17.5°	1011.9
20°	926.7
22.5°	845.6
25°	764.5
27.5°	689.5
30°	602.3
32.5°	486.7
35°	375.2
37.5°	273.8
40°	188.6
42.5°	123.7
45°	77.1
47.5°	46.6
50°	28.4
52.5°	22.3
55°	18.3
57.5°	14.2
60°	10.1
62.5°	8.1
65°	6.1
67.5°	4.1
70°	4.1
72.5°	2.0
75°	2.0
77.5°	2.0
80°	2.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)