

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: P203338

Luminaire Tested: **LD6B20D010 EU6B10208027 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203338
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 EU6B10208027 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT 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: 1539.2 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

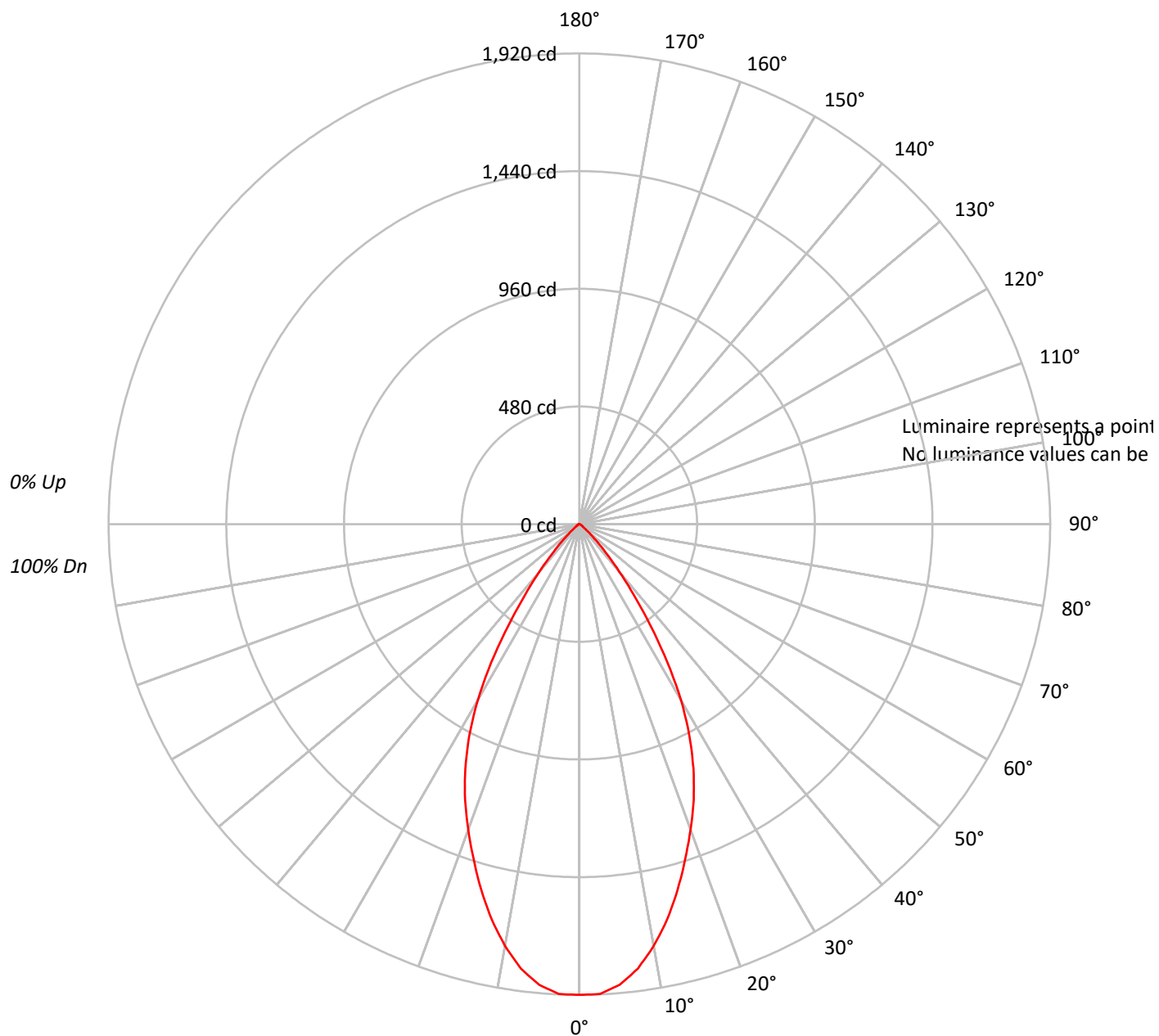
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	106	104		105	103	101		101	100	98		97	96	95
2	108	103	99	96	106	101	98	95		98	95	93		95	93	91		93	91	89
3	103	96	91	87	101	95	90	87		92	88	85		90	87	84		88	85	83
4	97	90	85	80	96	89	84	80		87	82	79		85	81	78		83	80	77
5	93	84	79	74	91	83	78	74		82	77	73		80	76	73		78	75	72
6	88	79	73	69	87	78	73	69		77	72	68		76	71	68		74	70	67
7	84	75	69	64	82	74	68	64		73	68	64		71	67	64		70	66	63
8	80	70	64	60	78	70	64	60		69	64	60		68	63	60		67	62	59
9	76	66	61	57	75	66	60	57		65	60	56		64	59	56		63	59	56
10	72	63	57	53	71	62	57	53		62	57	53		61	56	53		60	56	53

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.5	11.4
10°-20°	431.0	28.0
20°-30°	498.6	32.4
30°-40°	318.7	20.7
40°-50°	90.4	5.9
50°-60°	16.1	1.0
60°-70°	6.6	0.4
70°-80°	2.2	0.1
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°	1105.2	71.8
0°-40°	1423.9	92.5
0°-60°	1530.4	99.4
0°-90°	1539.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1539.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1920	
5°	1886	176
15°	1546	431
25°	1100	499
35°	503	319
45°	105	90
55°	15	16
65°	6	7
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1920.2
2.5°	1918.1
5°	1886.0
7.5°	1828.2
10°	1746.8
12.5°	1652.7
15°	1545.6
17.5°	1434.3
20°	1325.1
22.5°	1218.1
25°	1100.3
27.5°	971.9
30°	828.5
32.5°	667.9
35°	503.1
37.5°	363.9
40°	252.6
42.5°	167.0
45°	104.9
47.5°	62.1
50°	36.4
52.5°	21.4
55°	15.0
57.5°	12.8
60°	10.7
62.5°	8.6
65°	6.4
67.5°	4.3
70°	4.3
72.5°	2.1
75°	2.1
77.5°	2.1
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)