

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: P203138

Luminaire Tested: **LD6B20D010 EU6B10209027 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203138
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 EU6B10209027 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH MATTE WHITE 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: 1581.8 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

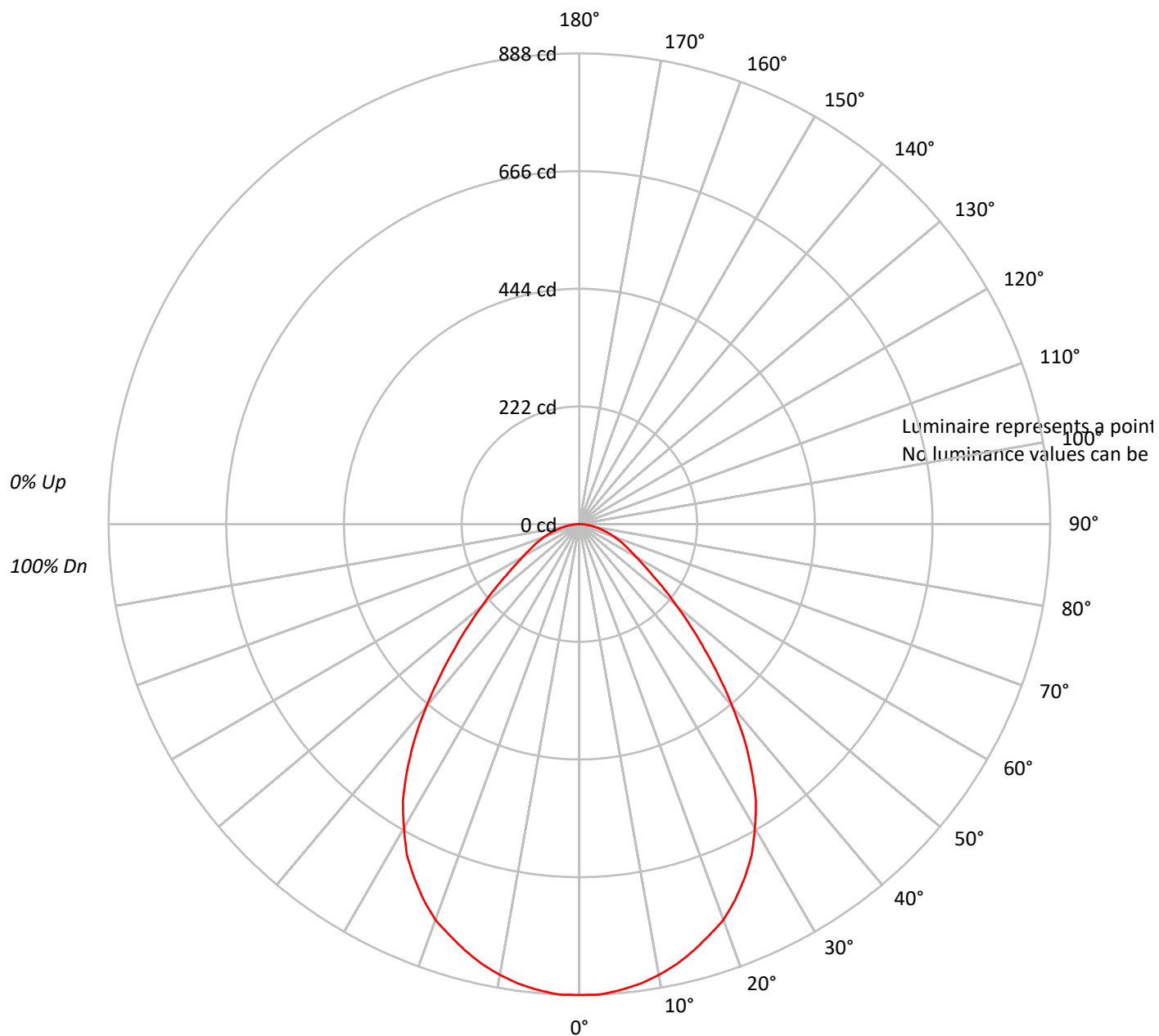
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100		108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	96	90	86		100	94	89	85		91	86	83		88	84	81		85	82	79
3	95	86	80	74		93	85	79	74		82	77	72		80	75	71		77	73	70
4	89	78	71	65		86	77	70	65		75	69	64		72	67	63		70	66	62
5	82	71	64	58		80	70	63	58		68	62	57		66	61	56		65	60	56
6	77	65	57	52		75	64	57	52		63	56	51		61	55	51		60	54	50
7	72	60	52	47		70	59	52	47		58	51	46		56	50	46		55	50	46
8	67	55	48	42		66	55	47	42		53	47	42		52	46	42		51	46	42
9	63	51	44	39		62	51	44	39		50	43	39		49	43	38		48	42	38
10	60	48	40	36		58	47	40	36		46	40	36		45	40	35		45	39	35

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	5.3
10°-20°	234.6	14.8
20°-30°	338.0	21.4
30°-40°	350.9	22.2
40°-50°	259.5	16.4
50°-60°	155.0	9.8
60°-70°	94.2	6.0
70°-80°	51.6	3.3
80°-90°	14.4	0.9
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°	656.3	41.5
0°-40°	1007.2	63.7
0°-60°	1421.7	89.9
0°-90°	1581.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1581.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	888	
5°	882	84
15°	833	235
25°	737	338
35°	566	351
45°	334	259
55°	169	155
65°	94	94
75°	48	52
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	888.3
2.5°	888.3
5°	882.5
7.5°	874.9
10°	863.4
12.5°	849.9
15°	832.7
17.5°	813.5
20°	794.3
22.5°	767.4
25°	736.7
27.5°	704.1
30°	661.9
32.5°	619.7
35°	566.0
37.5°	510.3
40°	448.9
42.5°	389.5
45°	333.8
47.5°	283.9
50°	239.8
52.5°	201.5
55°	168.8
57.5°	143.9
60°	122.8
62.5°	107.4
65°	94.0
67.5°	82.5
70°	71.0
72.5°	59.5
75°	48.0
77.5°	38.4
80°	28.8
82.5°	21.1
85°	11.5
87.5°	5.8
90°	0.0



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— 0°-180°







(END OF REPORT)