

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: P264372

Luminaire Tested: **LD2B20D010 EU2B2010SP159035 2LBD*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B2010SP159035 2LBD*WMH
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1398.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

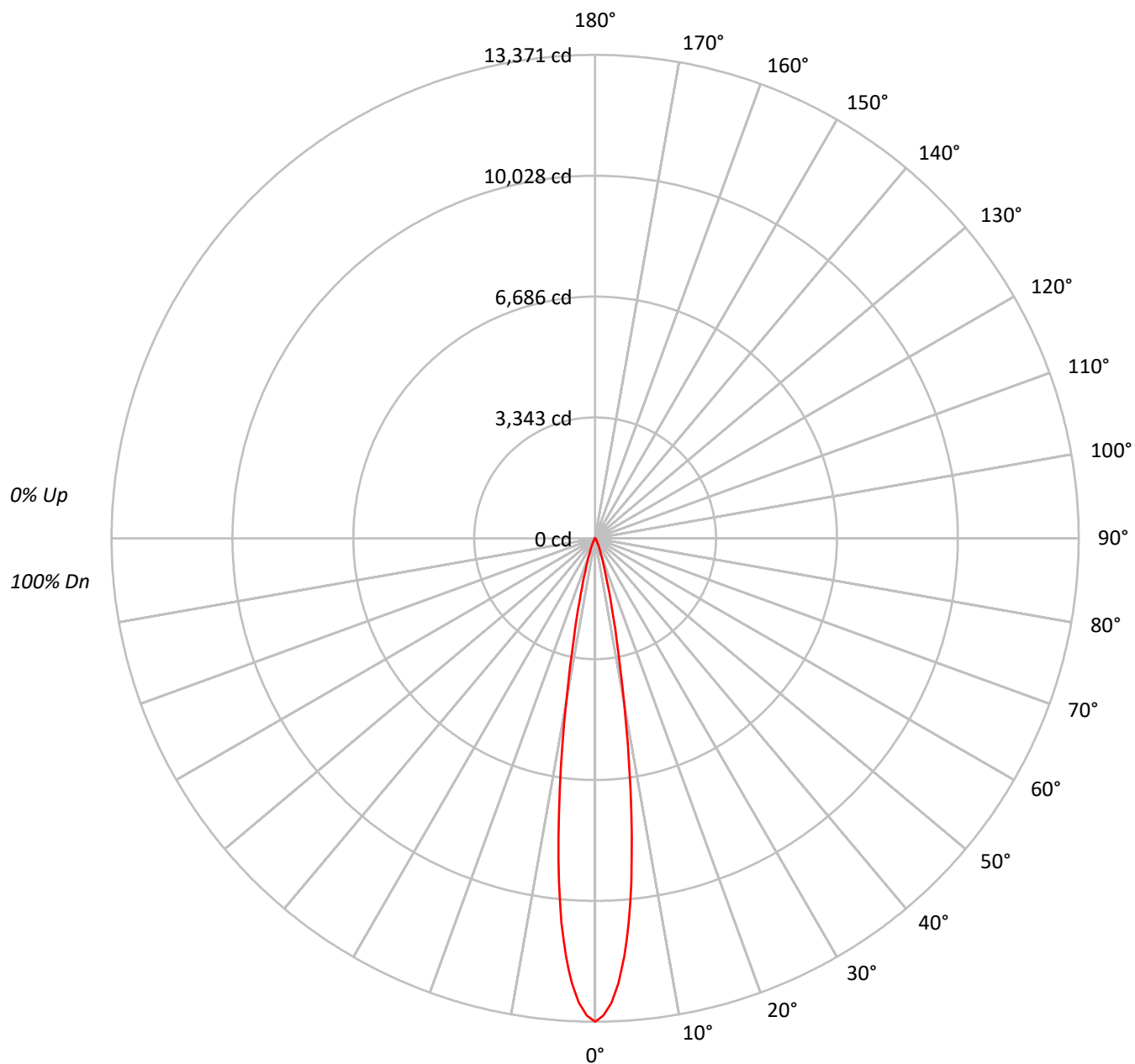
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264372

CATALOG NUMBER: LD2B20D010 EU2B2010SP159035 2LBD*WMH

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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	116	114	112	111		113	112	110	109		108	107	106			104	103	102			98
2	113	109	107	105		111	108	106	104		105	103	101			102	101	99			96
3	110	106	103	100		108	105	102	100		102	100	98			100	98	97			94
4	107	103	99	97		106	102	99	96		100	97	95			98	96	94			92
5	105	100	97	94		104	99	96	94		98	95	93			96	94	92			90
6	103	98	94	92		102	97	94	91		96	93	91			95	92	90			89
7	101	95	92	90		100	95	92	89		94	91	89			93	90	89			87
8	99	93	90	88		98	93	90	88		92	89	87			91	89	87			86
9	97	92	88	86		96	91	88	86		91	88	86			90	87	86			85
10	95	90	87	85		95	90	87	85		89	86	85			89	86	84			83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6596592
5°	5287498
10°	2307781
15°	715174
20°	249334
25°	110125
30°	49847
35°	25898
40°	14813
45°	6977
50°	4375
55°	2494
60°	1381
65°	1634
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	810.8	58.0
10°-20°	444.0	31.8
20°-30°	101.2	7.2
30°-40°	29.1	2.1
40°-50°	9.0	0.6
50°-60°	2.7	0.2
60°-70°	1.2	0.1
70°-80°	0.0	0.0
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°	1356.0	97.0
0°-40°	1385.1	99.1
0°-60°	1396.8	99.9
0°-90°	1398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1398.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13371	
5°	10676	811
15°	1400	444
25°	202	101
35°	43	29
45°	10	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13370.7
1°	13204.3
2°	12858.6
3°	12322.0
4°	11584.6
5°	10676.5
6°	9563.2
7°	8319.4
8°	7021.1
9°	5764.3
10°	4606.6
11°	3626.7
12°	2854.9
13°	2246.6
14°	1774.6
15°	1400.2
16°	1104.7
17°	879.4
18°	707.3
19°	575.3
20°	474.9
22.5°	307.0
25°	202.3
26°	170.7
27°	144.9
28°	121.9
29°	101.9
30°	87.5
32.5°	60.3
35°	43.0
37.5°	31.6
40°	23.0
42.5°	15.8
45°	10.0
47.5°	7.2
50°	5.7
52.5°	4.3
55°	2.9
57.5°	1.4
60°	1.4
62.5°	1.4
65°	1.4
67.5°	1.4



TEST NUMBER: P264372

CATALOG NUMBER: LD2B20D010 EU2B2010SP159035 2LBD*WMH

CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







70°	0.0
72.5°	0.0



(END OF REPORT)