

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: P264379

Luminaire Tested: **LD2B20D010 EU2B2010SP159035 2LBSQC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264379
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 2LBSQC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1527.0 lumens
Efficiency: N/A
Efficacy: 73.1 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

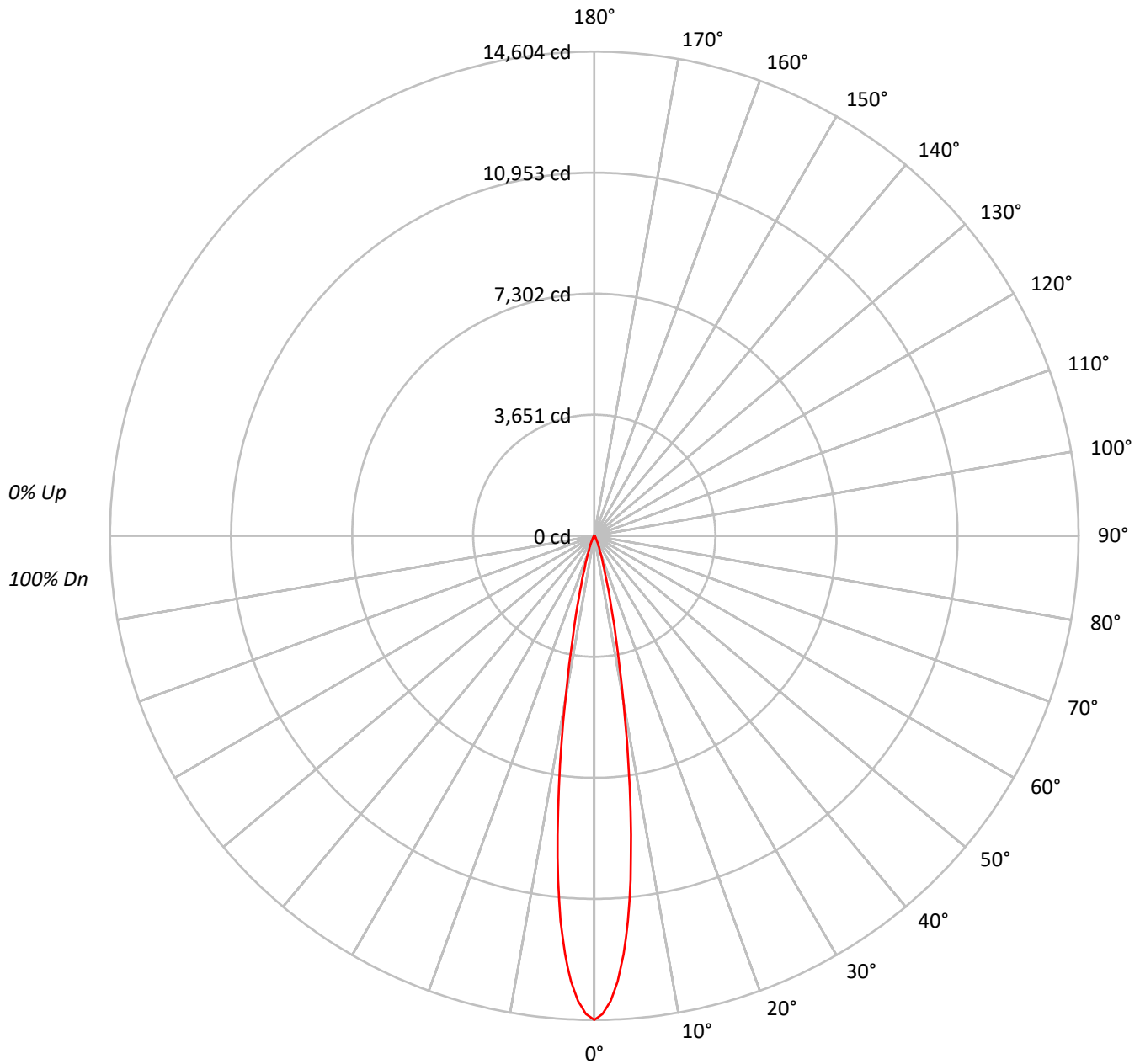
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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°	7205302
5°	5775414
10°	2520744
15°	781165
20°	272330
25°	120250
30°	54462
35°	28307
40°	16165
45°	7675
50°	4835
55°	2666
60°	1579
65°	1868
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	885.6	58.0
10°-20°	485.0	31.8
20°-30°	110.5	7.2
30°-40°	31.8	2.1
40°-50°	9.8	0.6
50°-60°	2.9	0.2
60°-70°	1.4	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°	1481.1	97.0
0°-40°	1512.9	99.1
0°-60°	1525.7	99.9
0°-90°	1527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1527.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14604	
5°	11662	886
15°	1529	485
25°	221	111
35°	47	32
45°	11	10
55°	3	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14604.5
1°	14422.8
2°	14045.1
3°	13459.0
4°	12653.6
5°	11661.7
6°	10445.7
7°	9087.1
8°	7668.9
9°	6296.2
10°	5031.7
11°	3961.4
12°	3118.3
13°	2453.9
14°	1938.4
15°	1529.4
16°	1206.6
17°	960.6
18°	772.5
19°	628.4
20°	518.7
22.5°	335.3
25°	220.9
26°	186.5
27°	158.3
28°	133.2
29°	111.3
30°	95.6
32.5°	65.8
35°	47.0
37.5°	34.5
40°	25.1
42.5°	17.2
45°	11.0
47.5°	7.8
50°	6.3
52.5°	4.7
55°	3.1
57.5°	1.6
60°	1.6
62.5°	1.6
65°	1.6
67.5°	1.6



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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)