

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: P264705

Luminaire Tested: **LD2B10D010 EU2B1010SP158035 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B1010SP158035 2LBDL*LI
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 975.0 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

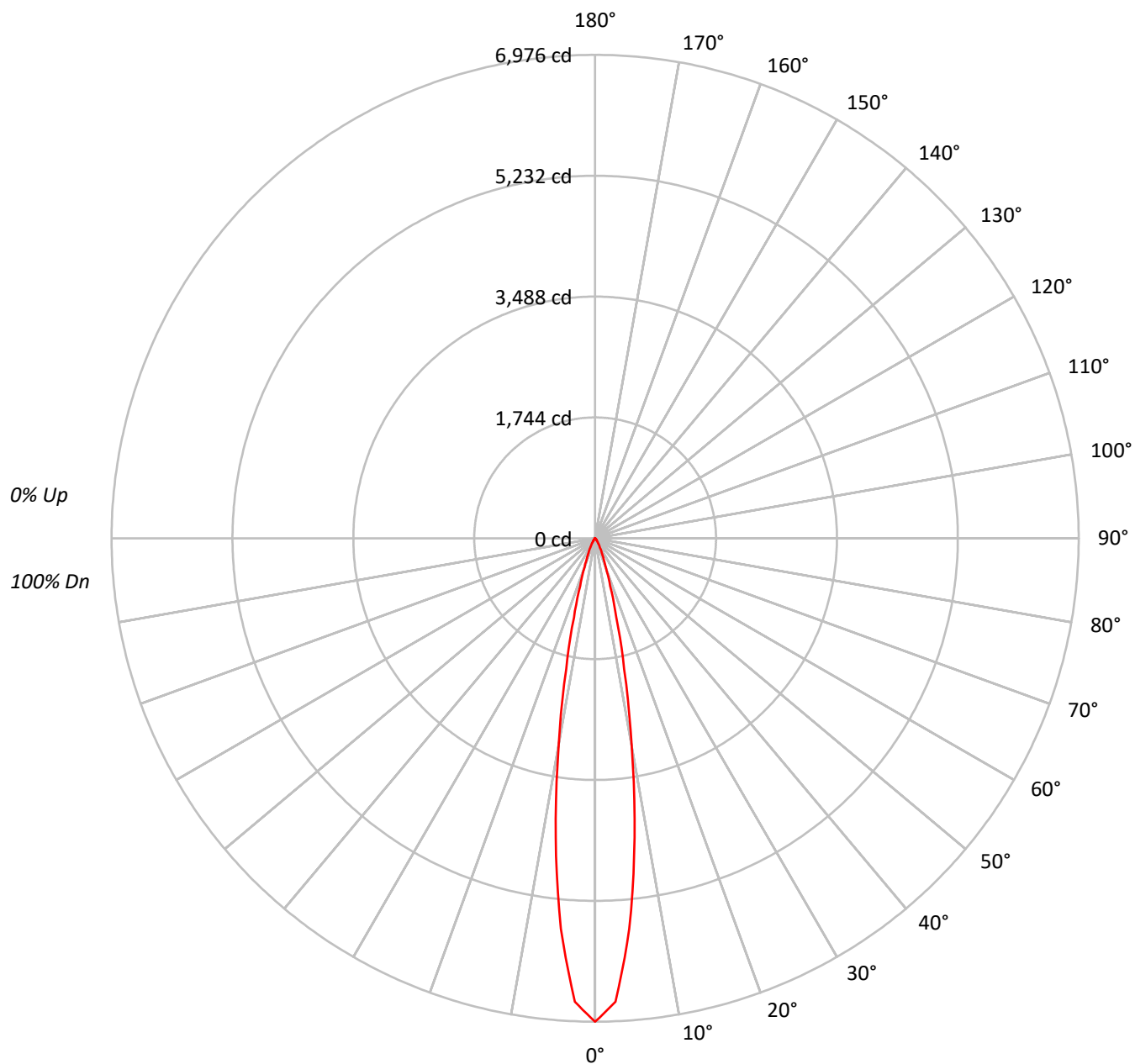
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	115	113	111	110	113	111	110	108		107	106	105		104	103	102		100	99	99
2	112	108	106	103	110	107	104	102		104	102	100		101	99	98		98	97	96
3	109	104	101	98	107	103	100	97		100	98	96		98	96	94		96	94	93
4	105	100	97	94	104	99	96	93		97	95	92		96	93	91		94	92	90
5	103	97	93	91	101	96	93	90		95	92	89		93	91	89		92	90	88
6	100	94	90	88	99	94	90	87		92	89	87		91	88	86		90	88	86
7	98	92	88	85	97	91	88	85		90	87	85		89	86	84		88	86	84
8	95	89	86	83	94	89	85	83		88	85	82		87	84	82		86	84	82
9	93	87	83	81	92	87	83	81		86	83	81		85	82	80		85	82	80
10	91	85	82	79	91	85	81	79		84	81	79		84	81	79		83	80	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3441939
5°	2801411
10°	1513238
15°	603368
20°	241931
25°	115841
30°	60045
35°	31740
40°	17582
45°	10884
50°	7522
55°	5075
60°	3848
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.9	46.7
10°-20°	358.9	36.8
20°-30°	105.9	10.9
30°-40°	35.2	3.6
40°-50°	13.2	1.4
50°-60°	5.9	0.6
60°-70°	1.0	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°	919.7	94.3
0°-40°	954.9	97.9
0°-60°	974.1	99.9
0°-90°	975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	975.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6976	
5°	5657	455
15°	1181	359
25°	213	106
35°	53	35
45°	16	13
55°	6	6
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6976.5
2.5°	6695.4
5°	5656.6
7.5°	4358.1
10°	3020.6
12.5°	1933.0
15°	1181.3
17.5°	720.5
20°	460.8
22.5°	308.5
25°	212.8
27.5°	150.3
30°	105.4
32.5°	74.2
35°	52.7
37.5°	37.1
40°	27.3
42.5°	21.5
45°	15.6
47.5°	13.7
50°	9.8
52.5°	7.8
55°	5.9
57.5°	5.9
60°	3.9
62.5°	2.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
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°







(END OF REPORT)