

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: P264743

Luminaire Tested: **LD2B20D010 EU2B2010SP158035 2LBSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264743
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: LD2B20D010 EU2B2010SP158035 2LBSQLC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1591.0 lumens
Efficiency: N/A
Efficacy: 76.1 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

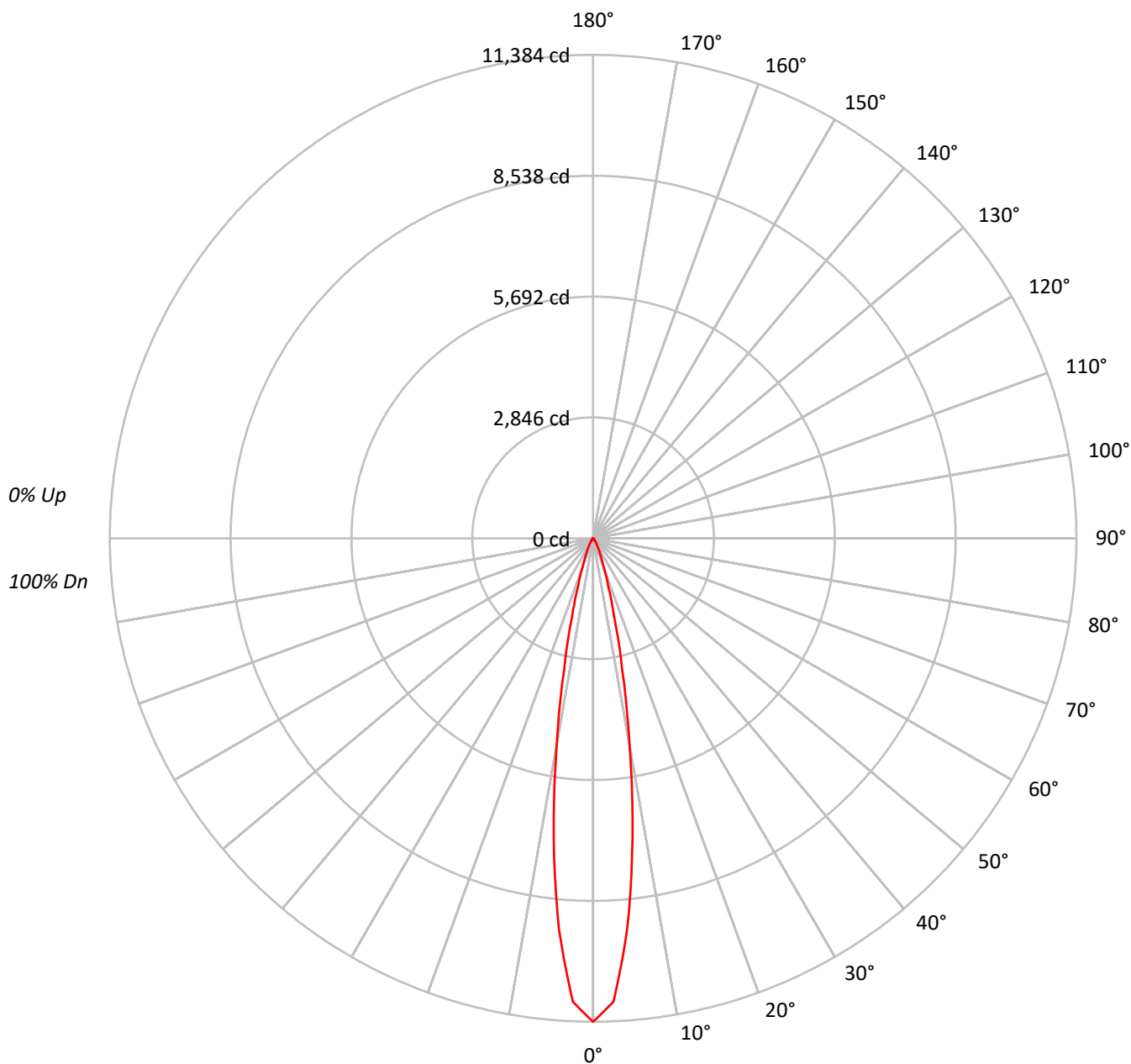
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	110	113	111	110	108	107	106	105		104	103	102		100
2	112	108	106	103	110	107	104	102	104	102	100		101	99	98		98
3	109	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	95	92		96	93	91		94
5	103	97	93	91	101	96	93	90	95	92	89		93	91	89		92
6	100	94	90	88	99	94	90	87	92	89	87		91	88	86		90
7	98	92	88	85	97	91	88	85	90	87	85		89	86	84		88
8	95	89	86	83	94	89	85	83	88	85	82		87	84	82		86
9	93	87	83	81	92	87	83	81	86	83	81		85	82	80		85
10	91	85	82	79	91	85	81	79	84	81	79		84	81	79		83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5616579
5°	4571322
10°	2469294
15°	984552
20°	394766
25°	189058
30°	98043
35°	51796
40°	28724
45°	17792
50°	12204
55°	8257
60°	6315
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	742.3	46.7
10°-20°	585.7	36.8
20°-30°	172.8	10.9
30°-40°	57.5	3.6
40°-50°	21.6	1.4
50°-60°	9.6	0.6
60°-70°	1.5	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°	1500.7	94.3
0°-40°	1558.3	97.9
0°-60°	1589.4	99.9
0°-90°	1591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1591.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11384	
5°	9230	742
15°	1928	586
25°	347	173
35°	86	58
45°	26	22
55°	10	10
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11384.3
2.5°	10925.4
5°	9230.4
7.5°	7111.6
10°	4929.0
12.5°	3154.3
15°	1927.6
17.5°	1175.7
20°	751.9
22.5°	503.4
25°	347.3
27.5°	245.3
30°	172.1
32.5°	121.1
35°	86.0
37.5°	60.5
40°	44.6
42.5°	35.0
45°	25.5
47.5°	22.3
50°	15.9
52.5°	12.7
55°	9.6
57.5°	9.6
60°	6.4
62.5°	3.2
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)