

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: P264065

Luminaire Tested: **LD2B20D010 EU2B2010SP158035 2LBSQC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264065
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 EU2B2010SP158035 2LBSQC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1748.0 lumens
Efficiency: N/A
Efficacy: 83.6 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

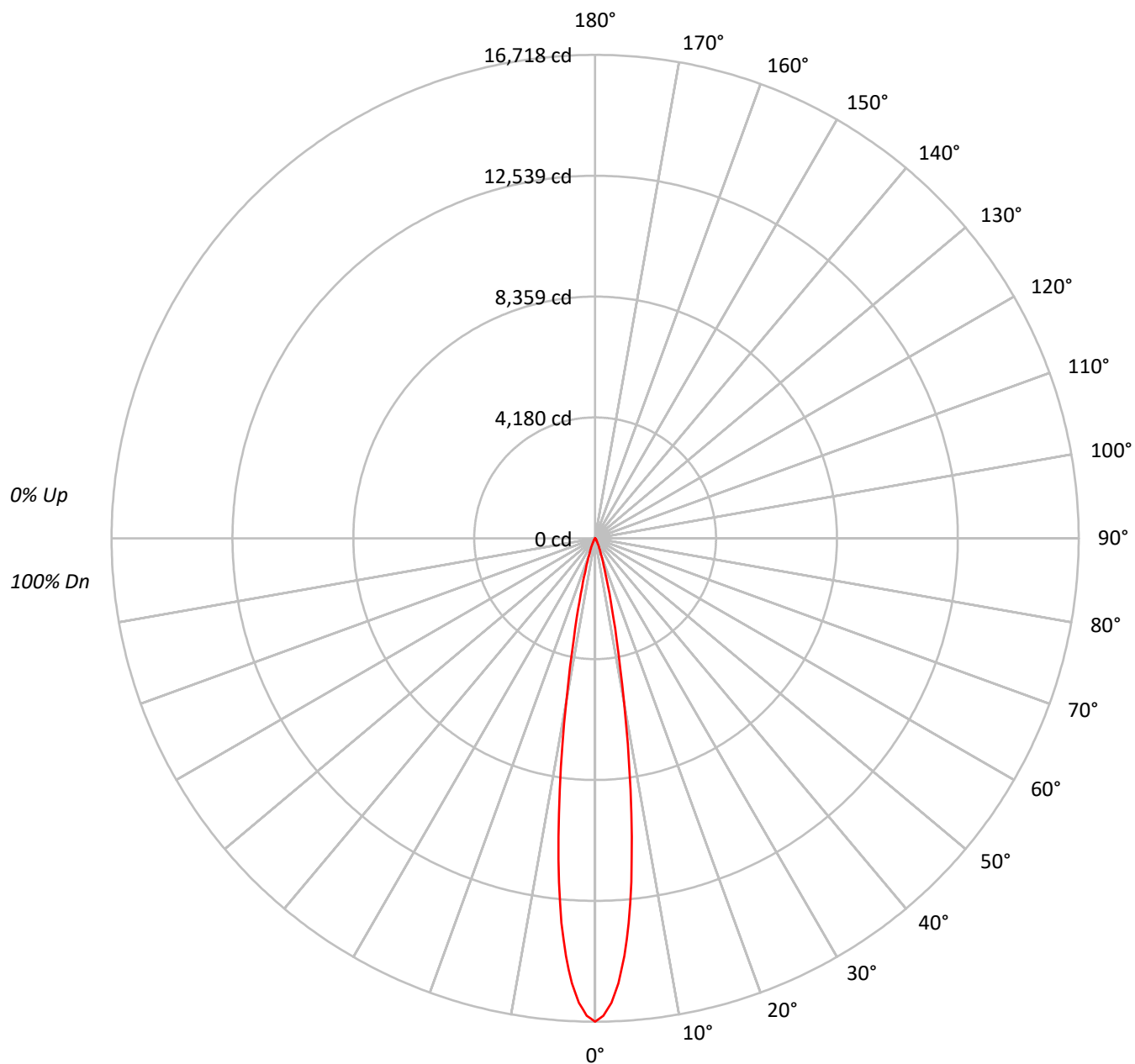
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91
9	97	92	88	86	96	91	88	86	91	88	86		90	87	86		89
10	95	90	87	85	95	90	87	85	89	86	85		89	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	8248121
5°	6611291
10°	2885553
15°	894198
20°	311707
25°	137670
30°	62324
35°	32403
40°	18484
45°	8791
50°	5526
55°	3097
60°	1776
65°	2101
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1013.7	58.0
10°-20°	555.2	31.8
20°-30°	126.5	7.2
30°-40°	36.4	2.1
40°-50°	11.2	0.6
50°-60°	3.4	0.2
60°-70°	1.6	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°	1695.5	97.0
0°-40°	1731.8	99.1
0°-60°	1746.5	99.9
0°-90°	1748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1748.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16718	
5°	13350	###
15°	1751	555
25°	253	127
35°	54	36
45°	13	11
55°	4	3
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16718.2
1°	16510.1
2°	16077.8
3°	15407.0
4°	14484.9
5°	13349.5
6°	11957.5
7°	10402.2
8°	8778.9
9°	7207.5
10°	5759.9
11°	4534.7
12°	3569.7
13°	2809.1
14°	2218.9
15°	1750.7
16°	1381.2
17°	1099.6
18°	884.3
19°	719.3
20°	593.7
22.5°	383.9
25°	252.9
26°	213.5
27°	181.2
28°	152.5
29°	127.4
30°	109.4
32.5°	75.3
35°	53.8
37.5°	39.5
40°	28.7
42.5°	19.7
45°	12.6
47.5°	9.0
50°	7.2
52.5°	5.4
55°	3.6
57.5°	1.8
60°	1.8
62.5°	1.8
65°	1.8
67.5°	1.8



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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)