

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: P264058

Luminaire Tested: **LD2B20D010 EU2B2010SP158035 2LBD*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264058
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 2LBD*GPH
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1688.0 lumens
Efficiency: N/A
Efficacy: 80.8 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

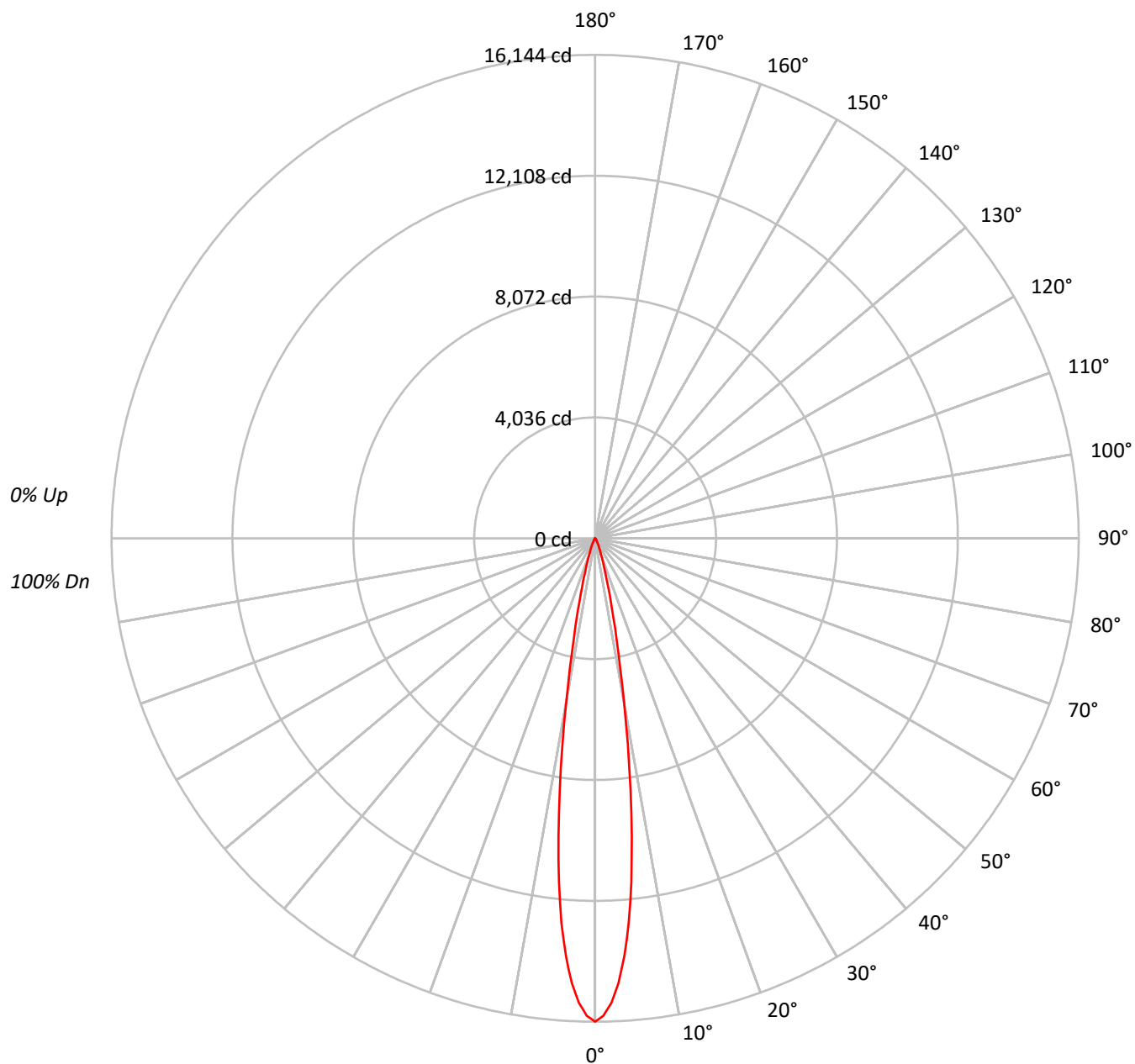
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7965030
5°	6384320
10°	2786510
15°	863552
20°	301049
25°	132934
30°	60216
35°	31319
40°	17840
45°	8442
50°	5296
55°	3011
60°	1677
65°	1985
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	978.9	58.0
10°-20°	536.1	31.8
20°-30°	122.2	7.2
30°-40°	35.1	2.1
40°-50°	10.9	0.6
50°-60°	3.2	0.2
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°	1637.3	97.0
0°-40°	1672.4	99.1
0°-60°	1686.5	99.9
0°-90°	1688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1688.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16144	
5°	12891	979
15°	1691	536
25°	244	122
35°	52	35
45°	12	11
55°	4	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16144.4
1°	15943.4
2°	15526.0
3°	14878.1
4°	13987.7
5°	12891.2
6°	11547.0
7°	10045.2
8°	8477.5
9°	6960.1
10°	5562.2
11°	4379.1
12°	3447.1
13°	2712.7
14°	2142.8
15°	1690.7
16°	1333.8
17°	1061.9
18°	854.0
19°	694.6
20°	573.4
22.5°	370.7
25°	244.2
26°	206.1
27°	175.0
28°	147.2
29°	123.0
30°	105.7
32.5°	72.8
35°	52.0
37.5°	38.1
40°	27.7
42.5°	19.1
45°	12.1
47.5°	8.7
50°	6.9
52.5°	5.2
55°	3.5
57.5°	1.7
60°	1.7
62.5°	1.7
65°	1.7
67.5°	1.7



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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)