

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: P225153

Luminaire Tested: **LD2B20D010 EU2B20FL408035 2LBD*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20FL408035 2LBD*GPH
Description: 2000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1899.3 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

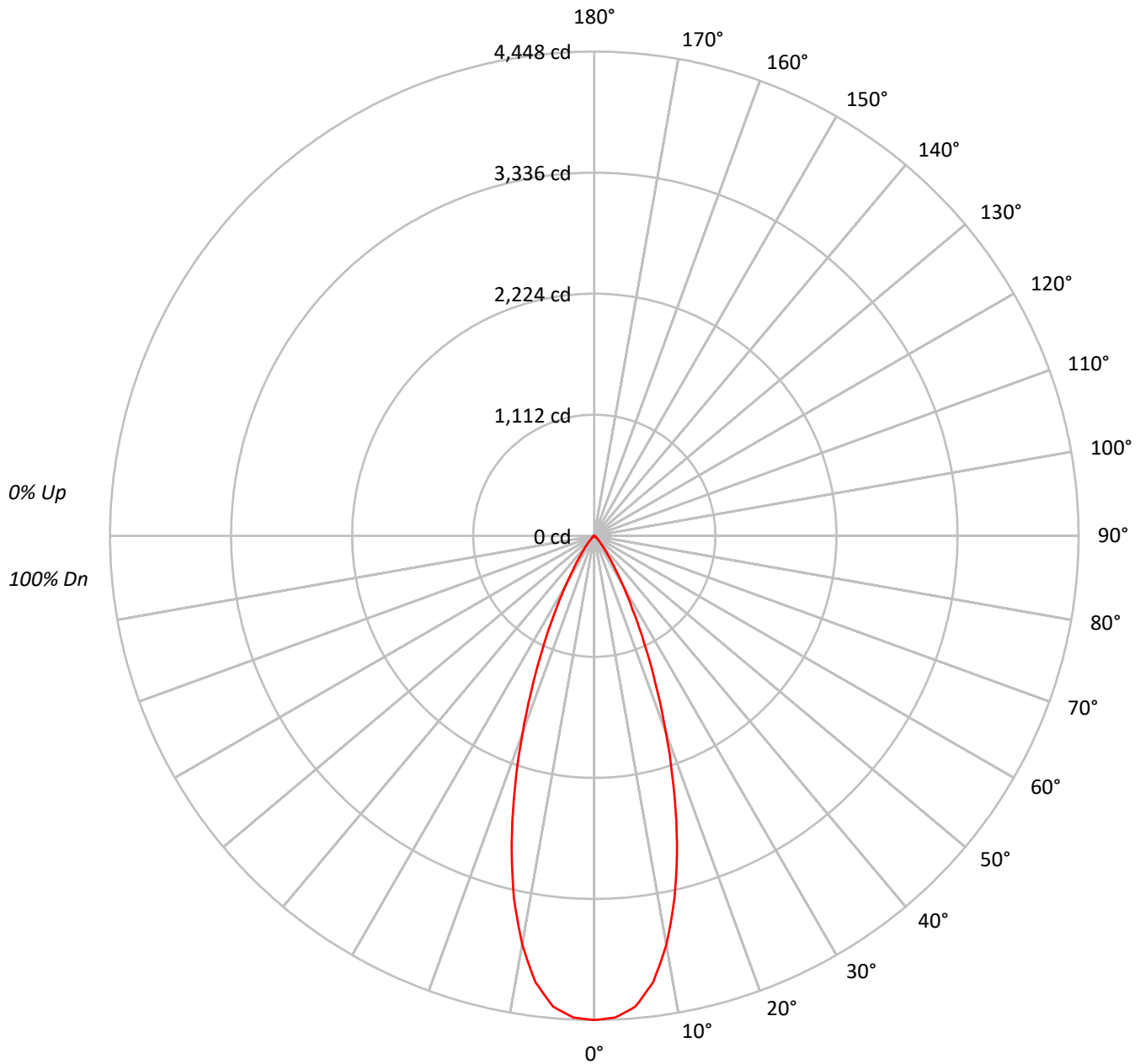
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225153

CATALOG NUMBER: LD2B20D010 EU2B20FL408035 2LBD*GPH

Luminous Intensity Polar Plot





TEST NUMBER: P225153

CATALOG NUMBER: LD2B20D010 EU2B20FL408035 2LBD*GPH

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	100		108	104	101	98		101	99	96		98	96	94		95	94	92
3	106	100	96	93		104	99	95	92		96	93	91		94	92	89		92	90	88
4	102	95	91	87		100	94	90	87		92	89	86		90	87	85		89	86	84
5	98	91	86	83		96	90	85	82		88	84	81		87	83	81		85	82	80
6	94	87	82	78		93	86	81	78		85	81	78		83	80	77		82	79	77
7	91	83	78	75		89	82	78	74		81	77	74		80	76	74		79	76	73
8	87	80	75	71		86	79	74	71		78	74	71		77	73	71		76	73	70
9	84	76	72	68		83	76	71	68		75	71	68		74	70	68		73	70	68
10	81	73	69	65		80	73	68	65		72	68	65		72	68	65		71	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1722992
5°	1688125
10°	1500010
15°	1176884
20°	791516
25°	460512
30°	230701
35°	107623
40°	50210
45°	21199
50°	10184
55°	6551
60°	3719
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225153

CATALOG NUMBER: LD2B20D010 EU2B20FL408035 2LBD*GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.4	20.9
10°-20°	796.6	41.9
20°-30°	503.7	26.5
30°-40°	156.7	8.3
40°-50°	34.8	1.8
50°-60°	8.9	0.5
60°-70°	1.2	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°	1697.7	89.4
0°-40°	1854.4	97.6
0°-60°	1898.1	99.9
0°-90°	1899.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1899.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4448	
5°	4342	397
15°	2935	797
25°	1078	504
35°	228	157
45°	39	35
55°	10	9
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225153

CATALOG NUMBER: LD2B20D010 EU2B20FL408035 2LBD*GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	4448.2
2.5°	4428.8
5°	4341.6
7.5°	4135.8
10°	3813.7
12.5°	3406.9
15°	2934.8
17.5°	2423.8
20°	1920.2
22.5°	1467.4
25°	1077.5
27.5°	755.5
30°	515.8
32.5°	341.4
35°	227.6
37.5°	152.5
40°	99.3
42.5°	60.5
45°	38.7
47.5°	26.6
50°	16.9
52.5°	12.1
55°	9.7
57.5°	7.3
60°	4.8
62.5°	2.4
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)