

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: P224473

Luminaire Tested: **LD2B20D010 EU2B20FL409035 2LBDL*WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224473
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 EU2B20FL409035 2LBDL*WH
Description: 2000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1496.8 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

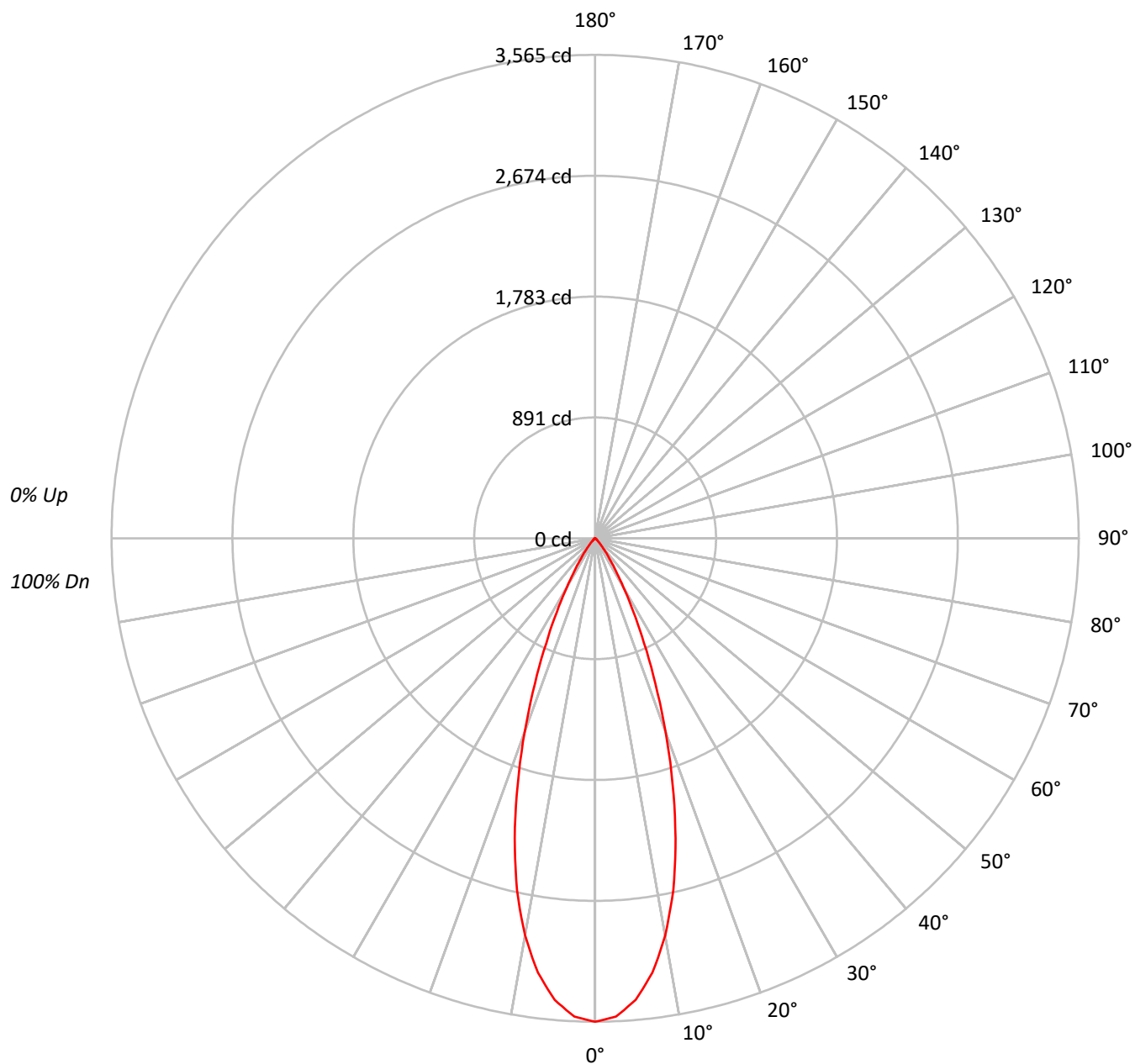
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224473

CATALOG NUMBER: LD2B20D010 EU2B20FL409035 2LBDL*WH

Luminous Intensity Polar Plot





TEST NUMBER: P224473

CATALOG NUMBER: LD2B20D010 EU2B20FL409035 2LBDL*WH

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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	110	106	102	100		108	104	101	98		101	98	96			98	96	94			91
3	106	100	96	93		104	99	95	92		96	93	91			94	91	89			87
4	102	95	91	87		100	94	90	87		92	89	86			90	87	85			82
5	98	91	86	82		96	90	85	82		88	84	81			87	83	81			79
6	94	87	82	78		93	86	81	78		85	80	77			83	80	77			75
7	90	83	78	75		89	82	78	74		81	77	74			80	76	74			72
8	87	79	75	71		86	79	74	71		78	74	71			77	73	70			69
9	84	76	71	68		83	76	71	68		75	71	68			74	70	68			66
10	81	73	69	65		80	73	68	65		72	68	65			71	68	65			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1381005
5°	1328734
10°	1169581
15°	918674
20°	624573
25°	364734
30°	185751
35°	87858
40°	38378
45°	16598
50°	8015
55°	5132
60°	2944
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224473

CATALOG NUMBER: LD2B20D010 EU2B20FL409035 2LBDL*WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.1	20.9
10°-20°	622.9	41.6
20°-30°	399.9	26.7
30°-40°	126.9	8.5
40°-50°	27.1	1.8
50°-60°	7.0	0.5
60°-70°	0.9	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°	1334.9	89.2
0°-40°	1461.8	97.7
0°-60°	1495.8	99.9
0°-90°	1496.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1496.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3565	
5°	3417	312
15°	2291	623
25°	853	400
35°	186	127
45°	30	27
55°	8	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224473

CATALOG NUMBER: LD2B20D010 EU2B20FL409035 2LBDL*WH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3565.3
2.5°	3531.1
5°	3417.3
7.5°	3231.5
10°	2973.6
12.5°	2658.8
15°	2290.9
17.5°	1898.3
20°	1515.2
22.5°	1156.8
25°	853.4
27.5°	608.7
30°	415.3
32.5°	278.8
35°	185.8
37.5°	123.3
40°	75.9
42.5°	47.4
45°	30.3
47.5°	20.9
50°	13.3
52.5°	9.5
55°	7.6
57.5°	5.7
60°	3.8
62.5°	1.9
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)