

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: P225495

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)
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*H
Description: 2000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1458.4 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

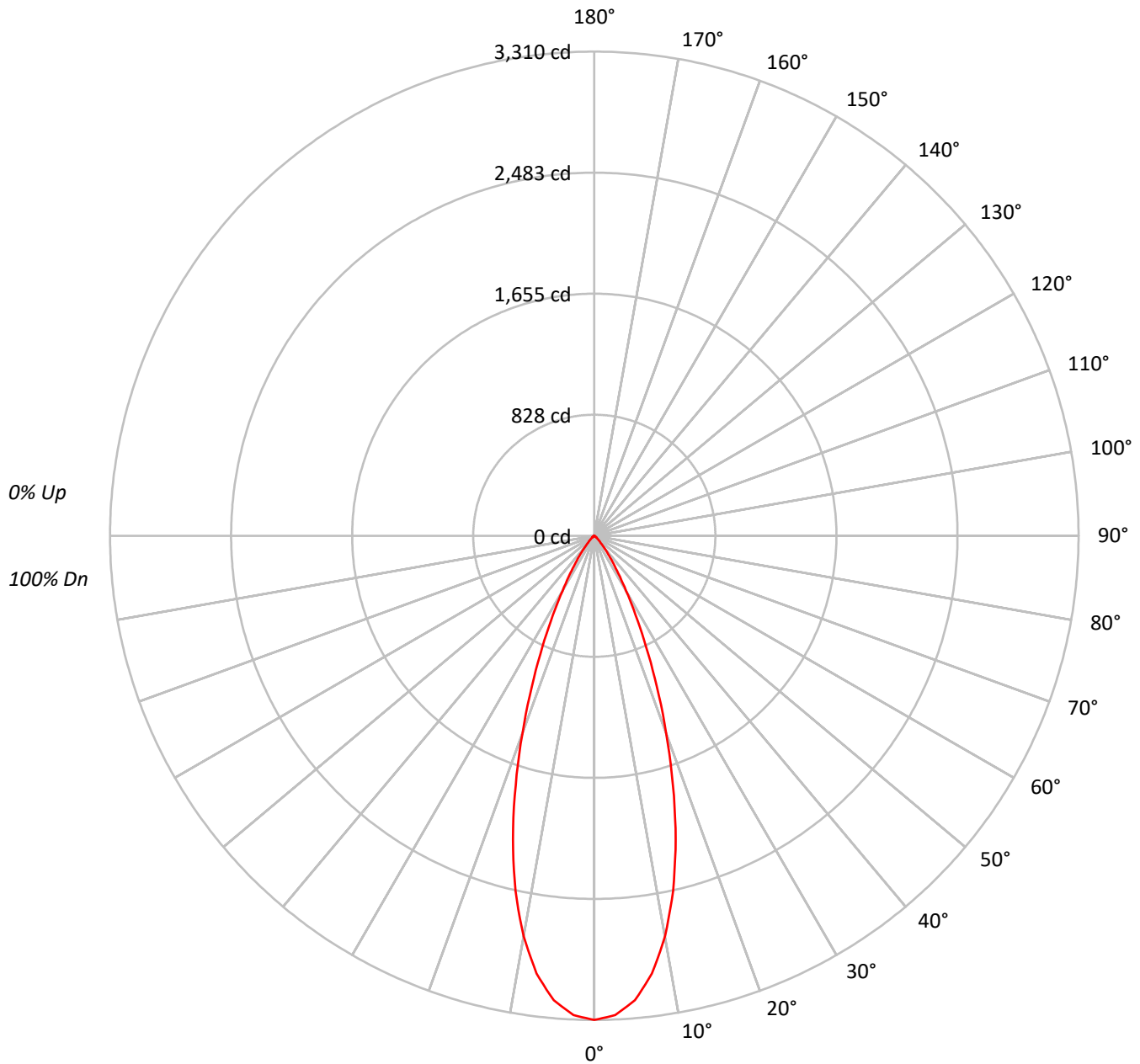
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	105	102	99		108	104	101	98		101	98	96			98	96	94			90
3	105	100	96	92		103	98	95	91		96	93	90			94	91	89			86
4	101	95	90	86		99	94	89	86		91	88	85			90	86	84			82
5	97	90	85	81		96	89	84	81		87	83	80			86	82	80			78
6	93	86	81	77		92	85	80	77		84	79	76			82	79	76			74
7	90	82	77	73		88	81	76	73		80	76	73			79	75	72			71
8	86	78	73	70		85	78	73	70		77	72	69			76	72	69			68
9	83	75	70	67		82	75	70	67		74	69	66			73	69	66			65
10	80	72	67	64		79	72	67	64		71	67	64			70	66	64			62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1281999
5°	1239304
10°	1093473
15°	861490
20°	592009
25°	357468
30°	193801
35°	99585
40°	48694
45°	23062
50°	12112
55°	8104
60°	4648
65°	1833
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.2	20.0
10°-20°	584.8	40.1
20°-30°	390.7	26.8
30°-40°	141.5	9.7
40°-50°	36.5	2.5
50°-60°	10.9	0.7
60°-70°	2.7	0.2
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°	1266.8	86.9
0°-40°	1408.3	96.6
0°-60°	1455.7	99.8
0°-90°	1458.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1458.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3310	
5°	3187	291
15°	2148	585
25°	836	391
35°	211	142
45°	42	37
55°	12	11
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3309.7
2.5°	3279.6
5°	3187.3
7.5°	3018.8
10°	2780.1
12.5°	2487.3
15°	2148.3
17.5°	1787.2
20°	1436.2
22.5°	1113.3
25°	836.4
27.5°	609.8
30°	433.3
32.5°	304.9
35°	210.6
37.5°	146.4
40°	96.3
42.5°	62.2
45°	42.1
47.5°	30.1
50°	20.1
52.5°	16.0
55°	12.0
57.5°	8.0
60°	6.0
62.5°	4.0
65°	2.0
67.5°	2.0
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)