

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: P#

Luminaire Tested: **LD2B20D010 EU2B20WFL559024 2LBDL*WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14804)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20WFL559024 2LBDL*WH
Description: 2000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1155.6 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.81
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

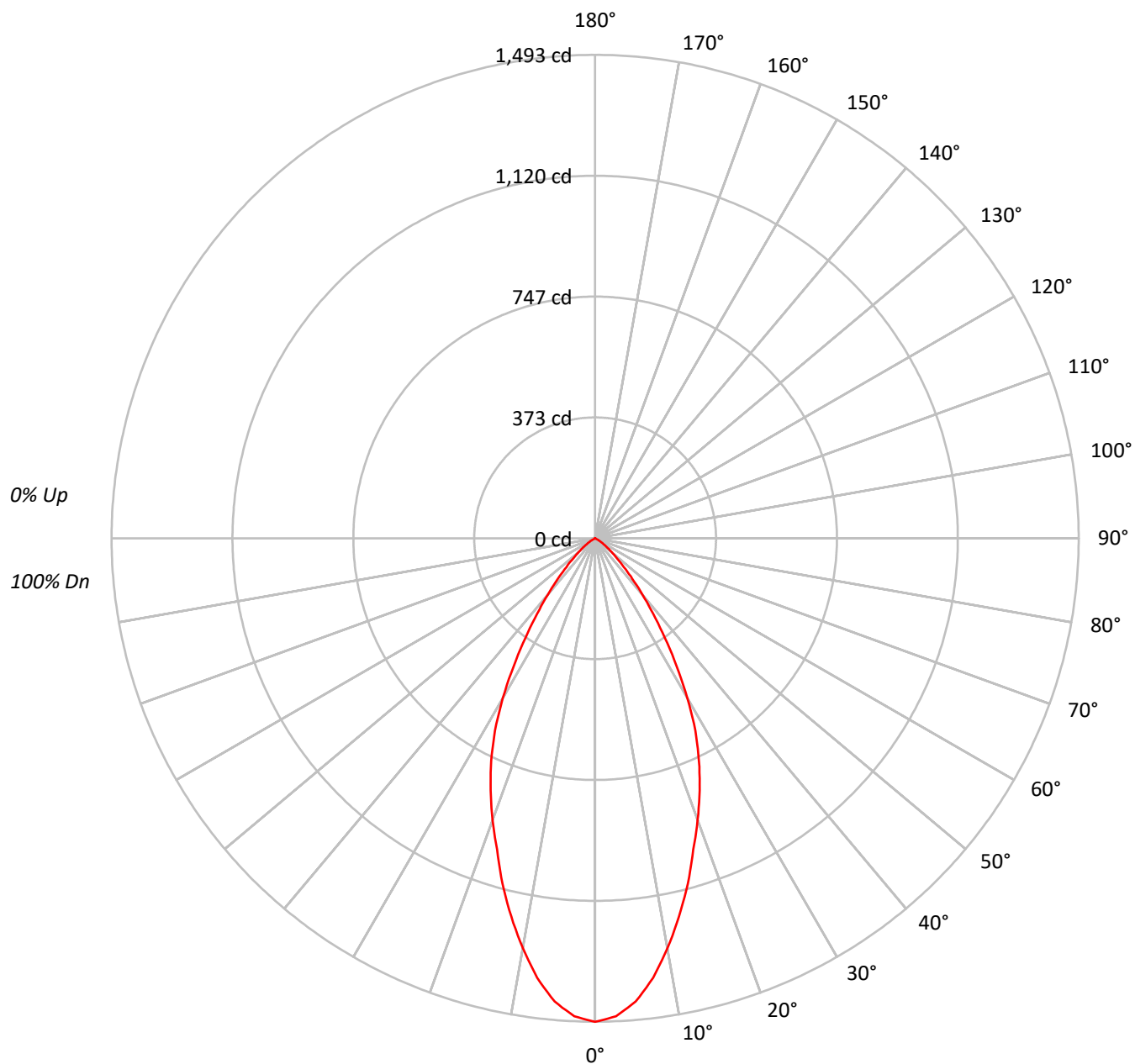
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		105	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	90	86		100	94	90	86		92	88	84		89	86	83		87	84	82
4	97	89	83	79		95	88	83	79		86	81	78		84	80	77		82	79	76
5	92	83	77	73		90	82	77	73		80	76	72		79	75	71		77	74	71
6	87	78	72	68		86	77	71	67		76	71	67		74	70	66		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	65	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	61	58		65	61	58
9	75	65	59	55		74	64	59	55		64	58	55		63	58	54		62	57	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	578462
5°	558470
10°	505615
15°	442956
20°	381413
25°	324217
30°	254854
35°	177087
40°	114781
45°	68693
50°	40194
55°	22488
60°	8599
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	11.4
10°-20°	307.5	26.6
20°-30°	344.5	29.8
30°-40°	236.8	20.5
40°-50°	101.7	8.8
50°-60°	31.0	2.7
60°-70°	1.7	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°	784.3	67.9
0°-40°	1021.1	88.4
0°-60°	1153.9	99.9
0°-90°	1155.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1155.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1493	
5°	1436	132
15°	1105	308
25°	759	345
35°	374	237
45°	125	102
55°	33	31
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1493.4
2.5°	1477.6
5°	1436.3
7.5°	1369.6
10°	1285.5
12.5°	1196.6
15°	1104.6
17.5°	1007.8
20°	925.3
22.5°	842.7
25°	758.6
27.5°	669.7
30°	569.8
32.5°	468.2
35°	374.5
37.5°	293.6
40°	227.0
42.5°	169.8
45°	125.4
47.5°	92.0
50°	66.7
52.5°	46.0
55°	33.3
57.5°	22.2
60°	11.1
62.5°	1.6
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



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— 0°-180°







(END OF REPORT)