

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: P225058

Luminaire Tested: **LD2B20D010 EU2B20FL409024 2LBD*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14830)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20FL409024 2LBD*WMH
Description: 2000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1252.5 lumens
Efficiency: N/A
Efficacy: 59.9 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

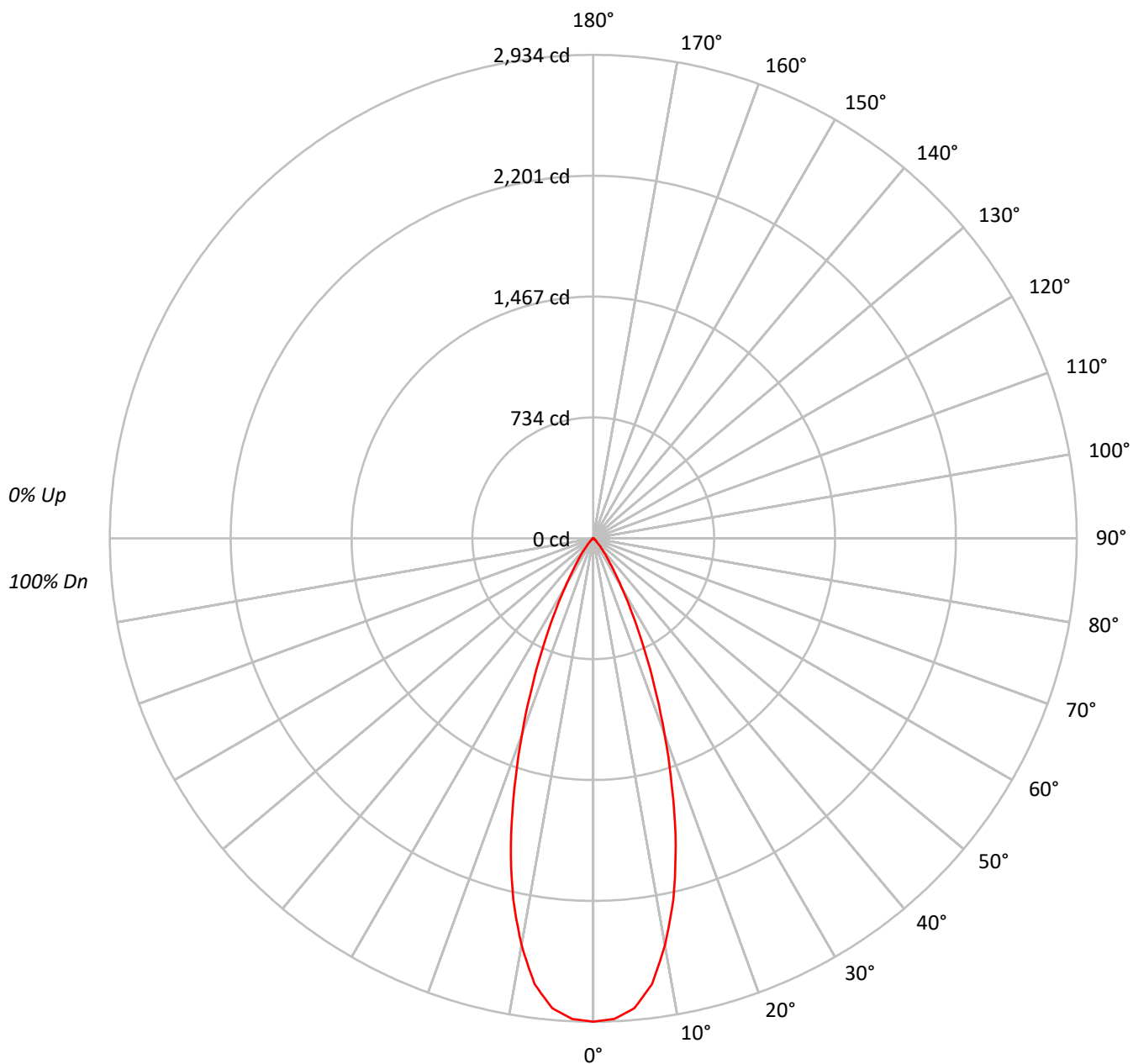
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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	81	77			83	80	77			75
7	91	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	71			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			72	68	65			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1136551
5°	1113130
10°	986096
15°	774872
20°	520986
25°	302634
30°	151266
35°	71308
40°	33726
45°	14790
50°	7653
55°	4322
60°	2479
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.9	20.9
10°-20°	524.1	41.8
20°-30°	331.3	26.5
30°-40°	103.6	8.3
40°-50°	24.1	1.9
50°-60°	6.3	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°	1117.3	89.2
0°-40°	1220.9	97.5
0°-60°	1251.4	99.9
0°-90°	1252.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1252.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2934	
5°	2863	262
15°	1932	524
25°	708	331
35°	151	104
45°	27	24
55°	6	6
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2934.2
2.5°	2919.9
5°	2862.8
7.5°	2727.8
10°	2507.1
12.5°	2245.1
15°	1932.3
17.5°	1590.9
20°	1263.9
22.5°	962.2
25°	708.1
27.5°	500.1
30°	338.2
32.5°	225.5
35°	150.8
37.5°	101.6
40°	66.7
42.5°	41.3
45°	27.0
47.5°	19.1
50°	12.7
52.5°	9.5
55°	6.4
57.5°	4.8
60°	3.2
62.5°	3.2
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)