

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 EU2B20WFL558035 2LBDSQC*MB**

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 (P14813)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20WFL558035 2LBDSQC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
SQUARE CAST TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1535.9 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.77 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

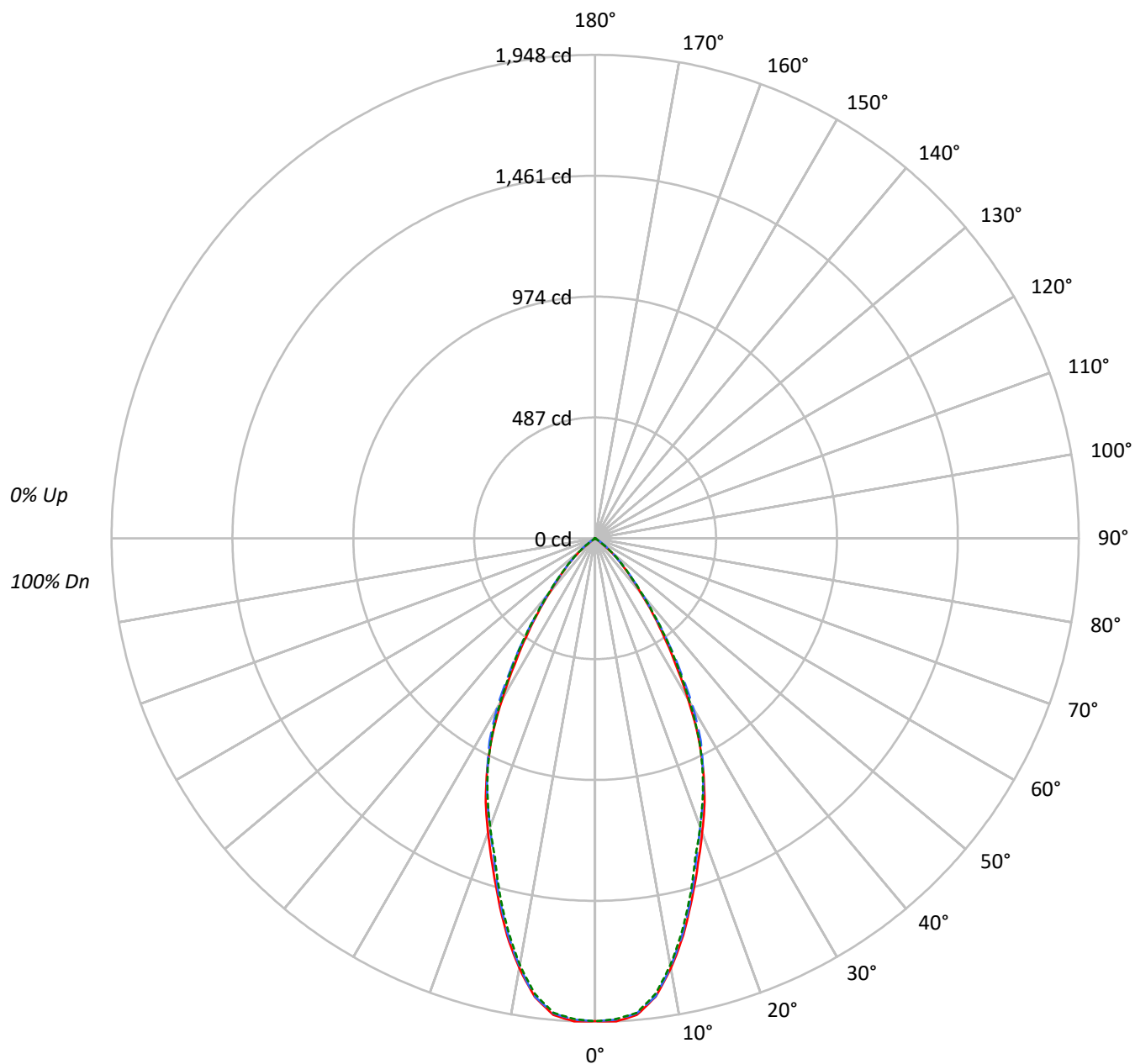
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	94	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		89	86	84		87
4	97	90	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	87	79	73	68	86	78	72	68	76	71	68		75	70	67		74
7	83	74	68	64	82	73	67	63	72	67	63		71	66	63		70
8	79	70	64	59	78	69	63	59	68	63	59		67	62	59		66
9	75	66	60	56	74	65	59	56	64	59	55		63	59	55		62
10	72	62	56	52	71	62	56	52	61	56	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	753775	753775	753775
5°	749733	747128	746273
10°	691931	689296	686661
15°	603761	599310	594858
20°	519790	509691	509691
25°	440082	439142	437219
30°	335228	353119	341177
35°	228203	241869	239788
40°	143957	151794	150682
45°	88906	90166	91371
50°	45557	50920	49594
55°	6010	18031	7496
60°	1704	1704	1704
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.0	11.6
10°-20°	416.1	27.1
20°-30°	466.9	30.4
30°-40°	317.2	20.6
40°-50°	132.6	8.6
50°-60°	24.8	1.6
60°-70°	0.4	0.0
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°	1061.0	69.1
0°-40°	1378.2	89.7
0°-60°	1535.5	100.0
0°-90°	1535.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1535.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1946	1946	1946	1946	1946	
5°	1928	1926	1922	1917	1919	179
15°	1506	1501	1494	1481	1483	420
25°	1030	1039	1028	1025	1023	466
35°	483	498	512	500	507	306
45°	162	160	165	167	167	129
55°	9	20	27	20	11	18
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1946.0	1946.0	1946.0	1946.0	1946.0
2.5°	1948.2	1943.8	1941.5	1939.3	1939.3
5°	1928.2	1926.0	1921.5	1917.1	1919.3
7.5°	1863.7	1861.5	1861.5	1852.6	1852.6
10°	1759.2	1759.2	1752.5	1752.5	1745.8
12.5°	1639.1	1630.2	1630.2	1623.5	1619.1
15°	1505.6	1501.2	1494.5	1481.2	1483.4
17.5°	1376.6	1367.7	1354.4	1347.7	1343.3
20°	1261.0	1258.8	1236.5	1232.1	1236.5
22.5°	1152.0	1154.2	1136.4	1132.0	1132.0
25°	1029.7	1038.6	1027.5	1025.3	1023.0
27.5°	898.5	914.1	920.7	905.2	902.9
30°	749.5	776.2	789.5	773.9	762.8
32.5°	604.9	631.6	645.0	633.8	627.2
35°	482.6	498.2	511.5	500.4	507.1
37.5°	378.1	387.0	391.4	391.4	391.4
40°	284.7	293.6	300.2	302.5	298.0
42.5°	215.7	220.2	224.6	226.8	224.6
45°	162.3	160.1	164.6	166.8	166.8
47.5°	117.9	117.9	120.1	122.3	122.3
50°	75.6	80.1	84.5	82.3	82.3
52.5°	33.4	46.7	55.6	46.7	37.8
55°	8.9	20.0	26.7	20.0	11.1
57.5°	2.2	6.7	8.9	6.7	4.4
60°	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	0.0	0.0	0.0	2.2
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)