

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: P283971

Luminaire Tested: **LDA2B158030D010 EU2B15WFL558030 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-61)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B158030D010 EU2B15WFL558030 2LBAPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1288.2 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

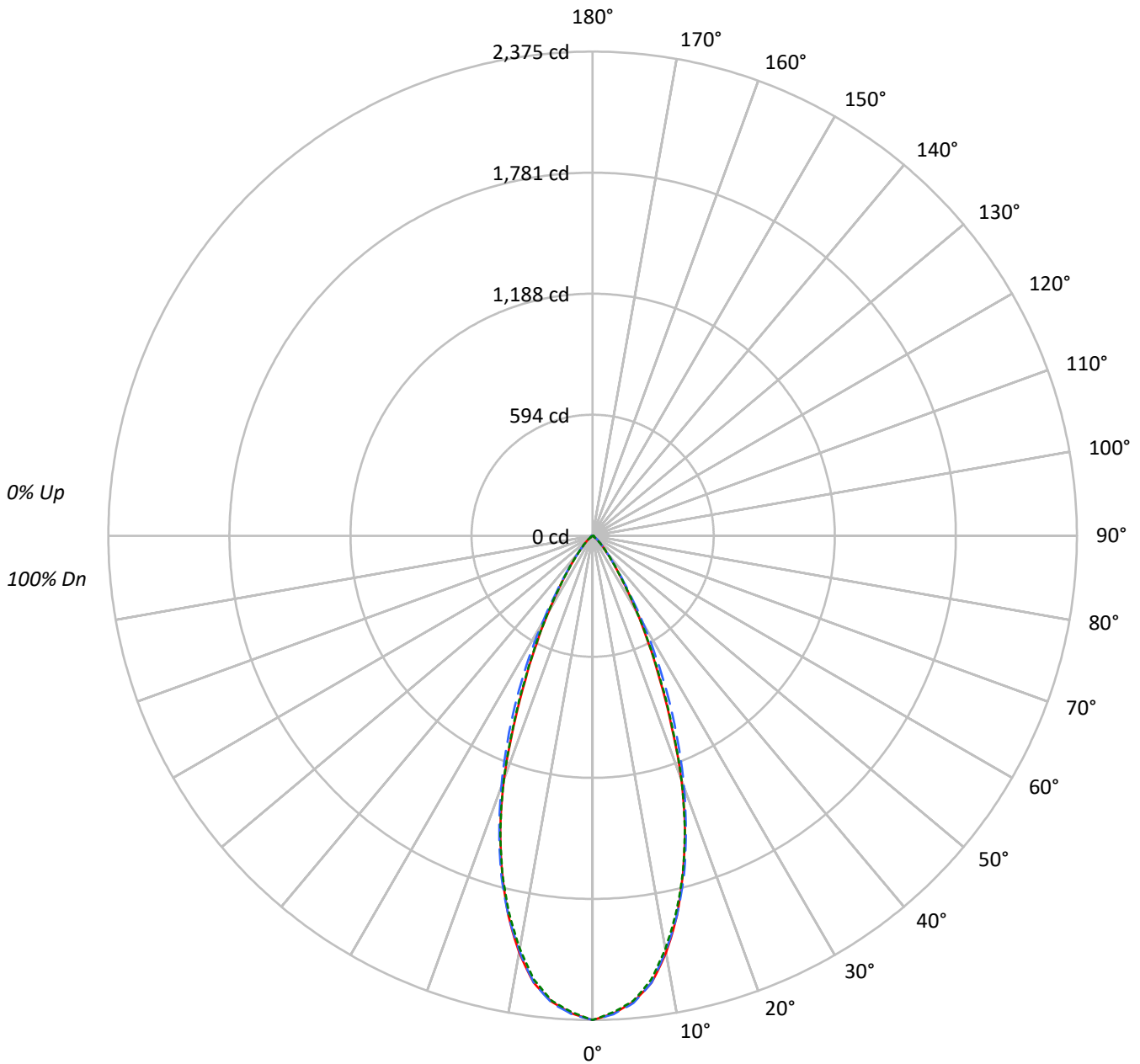
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	102	102	102	100								
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94								
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89								
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84								
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79								
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75								
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71								
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67								
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64								
9	81	72	67	63	80	71	66	63	71	66	63	70	66	63	69	65	62	61								
10	77	69	64	60	76	68	63	60	68	63	60	67	63	60	66	62	60	58								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1171734	1171734	1171734
5°	1136491	1139265	1134114
10°	1040270	1036162	1029900
15°	875044	883165	873614
20°	669144	686942	668094
25°	424931	479095	433205
30°	247129	279032	251459
35°	130635	138947	131057
40°	68976	72068	68976
45°	38584	39979	39072
50°	18037	22796	18037
55°	6537	12472	7139
60°	7499	7499	7499
65°	8055	8872	8055
70°	9953	8943	9953
75°	9150	9150	9150
80°	9944	7955	9944
85°	7925	7925	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.0	16.5
10°-20°	472.0	36.6
20°-30°	381.2	29.6
30°-40°	150.7	11.7
40°-50°	46.3	3.6
50°-60°	11.9	0.9
60°-70°	7.2	0.6
70°-80°	5.3	0.4
80°-90°	1.6	0.1
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°	1065.2	82.7
0°-40°	1215.9	94.4
0°-60°	1274.1	98.9
0°-90°	1288.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1288.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2375	2375	2375	2375	2375	
5°	2295	2299	2300	2296	2290	212
15°	1713	1718	1729	1722	1710	471
25°	781	818	880	833	796	363
35°	217	223	231	224	218	145
45°	55	56	57	57	56	45
55°	8	10	14	10	8	10
65°	7	8	8	8	7	7
75°	5	5	5	5	5	5
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2375.0	2375.0	2375.0	2375.0	2375.0
2.5°	2345.3	2346.6	2348.7	2346.0	2339.0
5°	2294.8	2299.0	2300.4	2295.5	2290.0
7.5°	2211.9	2207.1	2211.2	2203.0	2196.1
10°	2076.5	2070.3	2068.3	2055.8	2055.8
12.5°	1909.4	1907.3	1908.7	1902.5	1892.8
15°	1713.2	1718.0	1729.1	1722.2	1710.4
17.5°	1505.3	1512.2	1521.8	1519.8	1503.9
20°	1274.5	1294.6	1308.4	1295.2	1272.5
22.5°	1012.0	1054.9	1090.1	1062.4	1025.1
25°	780.6	817.9	880.1	833.1	795.8
27.5°	592.0	619.0	675.6	629.3	603.8
30°	433.8	450.4	489.8	459.4	441.4
32.5°	310.2	321.9	338.5	320.5	311.6
35°	216.9	223.1	230.7	223.8	217.6
37.5°	152.7	154.7	160.3	154.7	152.0
40°	107.1	107.8	111.9	108.5	107.1
42.5°	77.4	77.4	79.4	78.1	77.4
45°	55.3	56.0	57.3	56.6	56.0
47.5°	39.4	40.8	40.8	41.4	38.7
50°	23.5	29.0	29.7	29.0	23.5
52.5°	12.4	17.3	21.4	17.3	12.4
55°	7.6	10.4	14.5	10.4	8.3
57.5°	7.6	7.6	9.7	8.3	7.6
60°	7.6	7.6	7.6	7.6	7.6
62.5°	7.6	7.6	7.6	7.6	7.6
65°	6.9	7.6	7.6	7.6	6.9
67.5°	6.9	6.9	6.9	6.9	6.9
70°	6.9	6.9	6.2	6.9	6.9
72.5°	6.2	6.2	5.5	6.2	6.2
75°	4.8	4.8	4.8	4.8	4.8
77.5°	4.1	4.1	4.1	4.1	4.1
80°	3.5	3.5	2.8	3.5	3.5
82.5°	2.1	2.1	2.1	2.1	2.1
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)