

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: P283812

Luminaire Tested: **LDA2B058035D010 EU2B05WFL558035 2LBALPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283812
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: LDA2B058035D010 EU2B05WFL558035 2LBALPINSQ1MB
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 668.8 lumens
Efficiency: N/A
Efficacy: 95.5 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

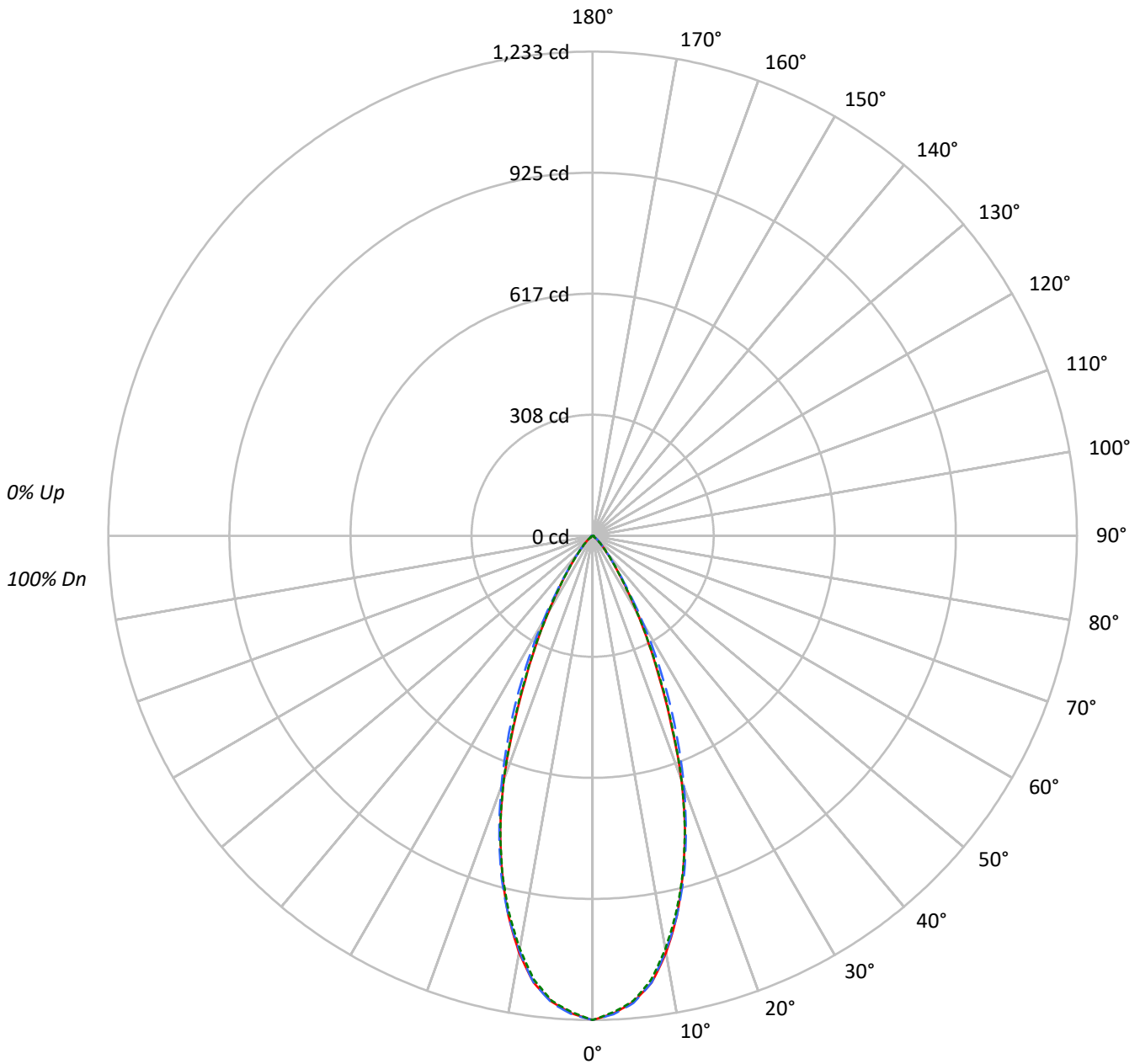
Input Watts (W): 7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	608364	608364	608364
5°	590086	591522	588848
10°	540099	537944	534738
15°	454326	458514	453611
20°	347409	356649	346884
25°	220631	248720	224931
30°	128293	144871	130572
35°	67817	72154	68058
40°	35809	37419	35809
45°	20025	20792	20304
50°	9364	11820	9364
55°	3355	6451	3699
60°	3848	3848	3848
65°	4203	4553	4203
70°	5193	4616	5193
75°	4766	4766	4766
80°	5114	3978	5114
85°	3962	3962	3962



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	16.5
10°-20°	245.1	36.6
20°-30°	197.9	29.6
30°-40°	78.2	11.7
40°-50°	24.0	3.6
50°-60°	6.2	0.9
60°-70°	3.7	0.6
70°-80°	2.8	0.4
80°-90°	0.8	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°	553.1	82.7
0°-40°	631.3	94.4
0°-60°	661.5	98.9
0°-90°	668.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	668.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1233	1233	1233	1233	1233	
5°	1192	1194	1194	1192	1189	110
15°	890	892	898	894	888	244
25°	405	425	457	432	413	189
35°	113	116	120	116	113	75
45°	29	29	30	29	29	23
55°	4	5	8	5	4	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1233.1	1233.1	1233.1	1233.1	1233.1
2.5°	1217.7	1218.4	1219.5	1218.0	1214.4
5°	1191.5	1193.6	1194.4	1191.8	1189.0
7.5°	1148.4	1145.9	1148.1	1143.8	1140.2
10°	1078.1	1074.9	1073.8	1067.4	1067.4
12.5°	991.3	990.3	991.0	987.8	982.7
15°	889.5	892.0	897.7	894.1	888.1
17.5°	781.5	785.1	790.1	789.1	780.8
20°	661.7	672.1	679.3	672.5	660.7
22.5°	525.4	547.7	566.0	551.6	532.3
25°	405.3	424.7	456.9	432.5	413.2
27.5°	307.4	321.4	350.8	326.7	313.5
30°	225.2	233.8	254.3	238.5	229.2
32.5°	161.0	167.1	175.7	166.4	161.8
35°	112.6	115.8	119.8	116.2	113.0
37.5°	79.3	80.3	83.2	80.3	78.9
40°	55.6	56.0	58.1	56.3	55.6
42.5°	40.2	40.2	41.2	40.5	40.2
45°	28.7	29.1	29.8	29.4	29.1
47.5°	20.4	21.2	21.2	21.5	20.1
50°	12.2	15.1	15.4	15.1	12.2
52.5°	6.5	9.0	11.1	9.0	6.5
55°	3.9	5.4	7.5	5.4	4.3
57.5°	3.9	3.9	5.0	4.3	3.9
60°	3.9	3.9	3.9	3.9	3.9
62.5°	3.9	3.9	3.9	3.9	3.9
65°	3.6	3.9	3.9	3.9	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	3.6	3.6	3.2	3.6	3.6
72.5°	3.2	3.2	2.9	3.2	3.2
75°	2.5	2.5	2.5	2.5	2.5
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.8	1.8	1.4	1.8	1.8
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)