

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: P283875

Luminaire Tested: **LDA2B05D2WD010 EU2B05WFL55D2W 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283875
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: LDA2B05D2WD010 EU2B05WFL55D2W 2LBAPINSQ1MB
Description: PORTFOLIO 2IN ADJ 500 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: 533.1 lumens
Efficiency: N/A
Efficacy: 76.2 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

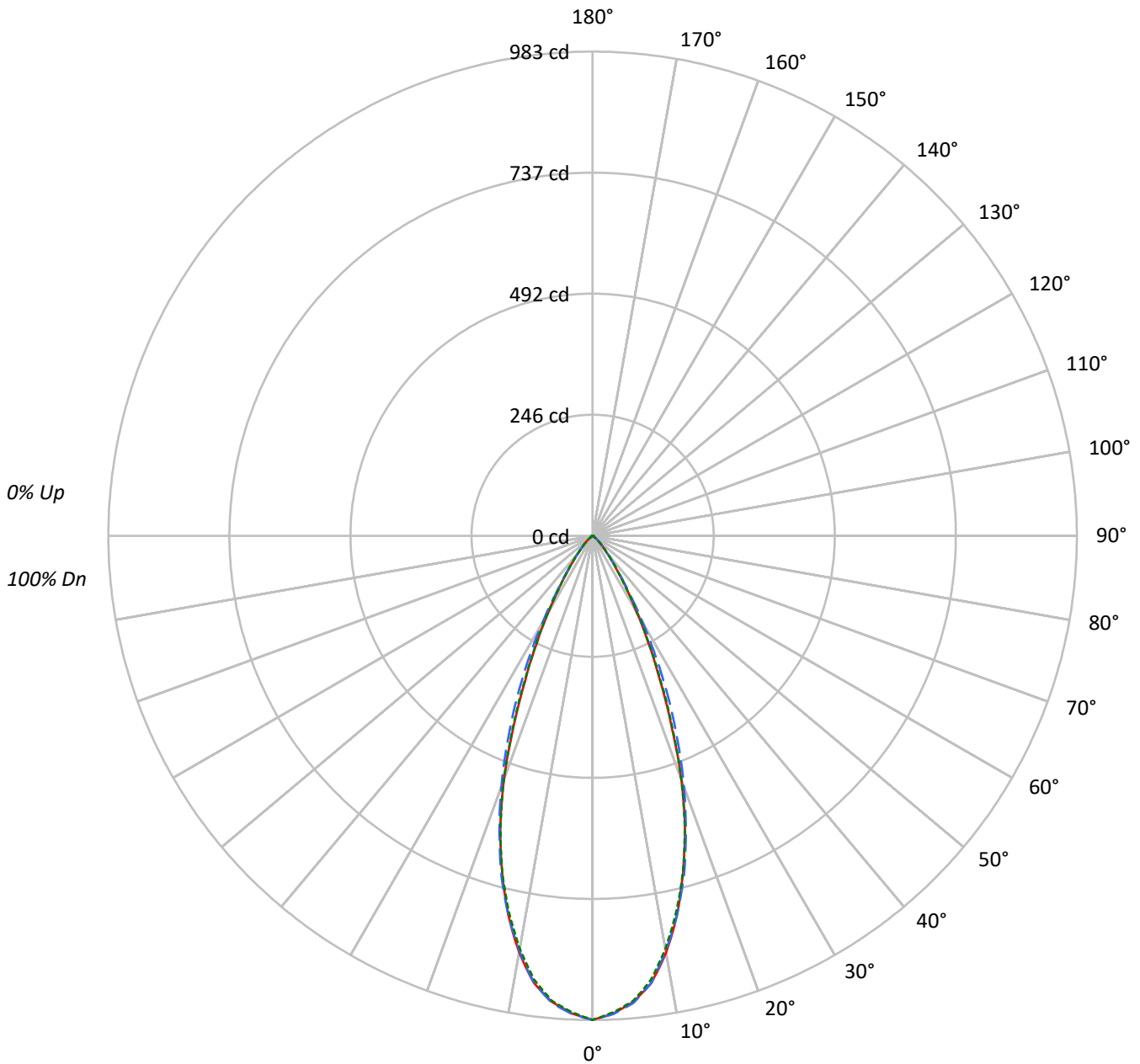
Input Watts (W): 7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P283875

CATALOG NUMBER: LDA2B05D2WD010 EU2B05WFL55D2W 2LBAPINSQ1MB

Luminous Intensity Polar Plot





TEST NUMBER: P283875

CATALOG NUMBER: LDA2B05D2WD010 EU2B05WFL55D2W 2LBAPINSQ1MB

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°	484925	484925	484925
5°	470335	471475	469345
10°	430536	428833	426228
15°	362133	365504	361571
20°	276951	284301	276478
25°	175884	198258	179314
30°	102258	115475	104081
35°	54085	57518	54266
40°	28531	29819	28531
45°	15978	16536	16187
50°	7445	9441	7445
55°	2666	5161	2925
60°	3059	3059	3059
65°	3385	3619	3385
70°	4183	3750	4183
75°	3812	3812	3812
80°	3978	3125	3978
85°	3396	3396	3396



TEST NUMBER: P283875

CATALOG NUMBER: LDA2B05D2WD010 EU2B05WFL55D2W 2LBAPINSQ1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	16.5
10°-20°	195.4	36.6
20°-30°	157.8	29.6
30°-40°	62.4	11.7
40°-50°	19.1	3.6
50°-60°	4.9	0.9
60°-70°	3.0	0.6
70°-80°	2.2	0.4
80°-90°	0.7	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°	440.9	82.7
0°-40°	503.2	94.4
0°-60°	527.3	98.9
0°-90°	533.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	533.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	983	983	983	983	983	
5°	950	952	952	950	948	88
15°	709	711	716	713	708	195
25°	323	338	364	345	329	150
35°	90	92	96	93	90	60
45°	23	23	24	23	23	19
55°	3	4	6	4	3	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P283875

CATALOG NUMBER: LDA2B05D2WD010 EU2B05WFL55D2W 2LBAPINSQ1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	982.9	982.9	982.9	982.9	982.9
2.5°	970.6	971.2	972.0	970.9	968.0
5°	949.7	951.5	952.0	950.0	947.7
7.5°	915.4	913.4	915.2	911.7	908.9
10°	859.4	856.8	856.0	850.8	850.8
12.5°	790.2	789.4	789.9	787.4	783.4
15°	709.0	711.0	715.6	712.7	707.9
17.5°	623.0	625.8	629.8	629.0	622.4
20°	527.5	535.8	541.5	536.1	526.6
22.5°	418.8	436.6	451.1	439.7	424.3
25°	323.1	338.5	364.2	344.8	329.4
27.5°	245.0	256.2	279.6	260.5	249.9
30°	179.5	186.4	202.7	190.1	182.7
32.5°	128.4	133.2	140.1	132.7	128.9
35°	89.8	92.3	95.5	92.6	90.1
37.5°	63.2	64.0	66.3	64.0	62.9
40°	44.3	44.6	46.3	44.9	44.3
42.5°	32.0	32.0	32.9	32.3	32.0
45°	22.9	23.2	23.7	23.4	23.2
47.5°	16.3	16.9	16.9	17.2	16.0
50°	9.7	12.0	12.3	12.0	9.7
52.5°	5.1	7.1	8.9	7.1	5.1
55°	3.1	4.3	6.0	4.3	3.4
57.5°	3.1	3.1	4.0	3.4	3.1
60°	3.1	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	3.1	3.1	3.1
65°	2.9	3.1	3.1	3.1	2.9
67.5°	2.9	2.9	2.9	2.9	2.9
70°	2.9	2.9	2.6	2.9	2.9
72.5°	2.6	2.6	2.3	2.6	2.6
75°	2.0	2.0	2.0	2.0	2.0
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.4	1.4	1.1	1.4	1.4
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.3	0.3	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





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







(END OF REPORT)