

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: P1192812

Luminaire Tested: **LDA6A75935D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1192812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26680)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A75935D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

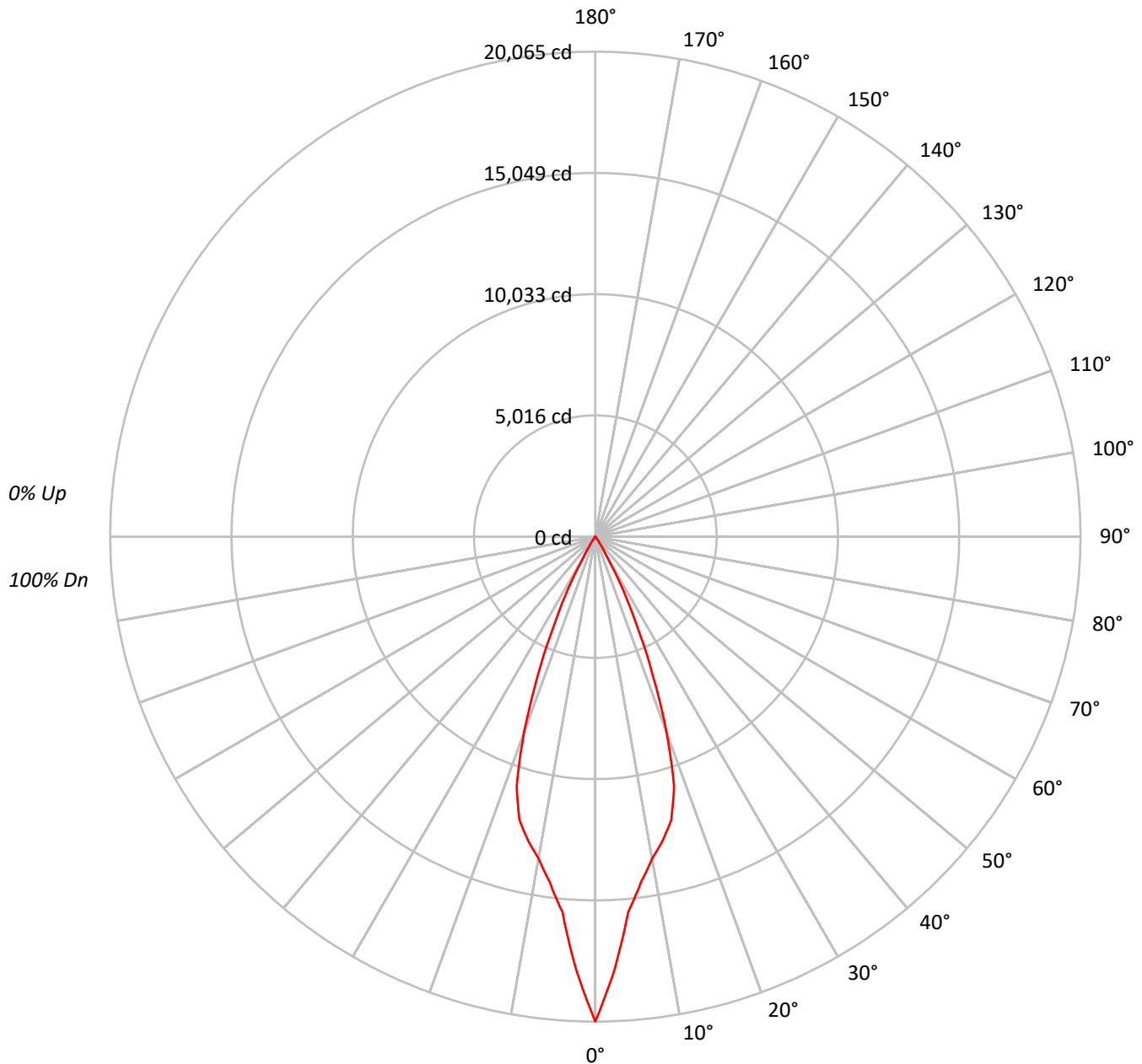
Lumens per Lamp: N/A
Luminaire Lumens: 6842.3 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 86.9
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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	108		112	110	108	107		106	105	103		103	101	100		99	98	98
2	110	107	103	101		108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94		105	100	96	94		98	95	92		95	93	91		93	91	89
4	103	97	92	89		101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85		98	92	87	84		90	86	84		88	85	83		87	84	82
6	96	89	84	81		94	88	84	80		87	83	80		85	82	79		84	81	79
7	92	85	80	77		91	85	80	77		83	79	77		82	79	76		81	78	76
8	89	82	77	74		88	81	77	74		80	76	74		79	76	73		79	75	73
9	86	79	74	71		85	78	74	71		78	74	71		77	73	71		76	73	70
10	83	76	71	68		83	76	71	68		75	71	68		74	71	68		74	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1099956
5°	858808
10°	753148
15°	688324
20°	502772
25°	245337
30°	59876
35°	13699
40°	2948
45°	1333
50°	674
55°	1013
60°	1020
65°	869
70°	641
75°	551
80°	442
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1445.9	21.1
10°-20°	3256.9	47.6
20°-30°	1918.6	28.0
30°-40°	187.3	2.7
40°-50°	14.9	0.2
50°-60°	8.5	0.1
60°-70°	6.6	0.1
70°-80°	3.1	0.0
80°-90°	0.6	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°	6621.4	96.8
0°-40°	6808.6	99.5
0°-60°	6832.1	99.9
0°-90°	6842.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6842.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20065	
5°	15606	###
15°	12128	3257
25°	4056	1919
35°	205	187
45°	17	15
55°	11	8
65°	7	7
75°	3	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20064.8
2.5°	17959.1
5°	15606.3
7.5°	14431.8
10°	13529.8
12.5°	12873.6
15°	12128.2
17.5°	10817.0
20°	8618.2
22.5°	6216.3
25°	4056.0
27.5°	2420.6
30°	945.9
32.5°	495.6
35°	204.7
37.5°	67.8
40°	41.2
42.5°	26.6
45°	17.2
47.5°	10.6
50°	7.9
52.5°	9.3
55°	10.6
57.5°	9.3
60°	9.3
62.5°	7.9
65°	6.7
67.5°	5.3
70°	4.0
72.5°	4.0
75°	2.6
77.5°	2.6
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



— 0°-180°

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(END OF REPORT)