

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: P208999

Luminaire Tested: **LDSQA6A75840D010TE LARH40FL 6LSQA1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26677)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A75840D010TE LARH40FL 6LSQA1H
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 40° FLOOD
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7371.6 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

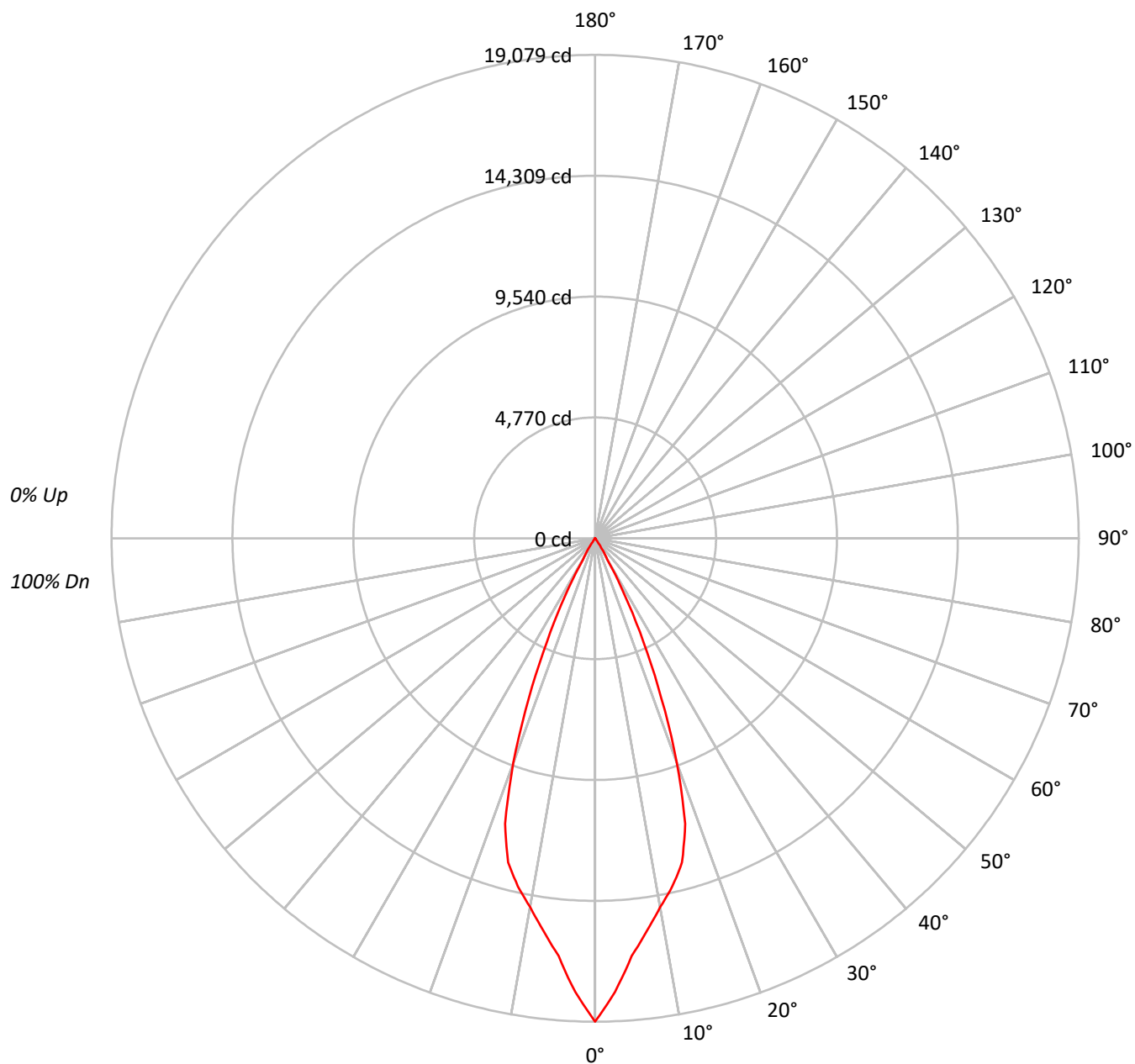
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10		70	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			100
1	115	112	110	109		112	110	108	107		106	105	104			103	101	100			96
2	110	107	103	101		108	105	102	100		102	99	97			99	97	95			92
3	107	101	98	94		105	100	97	94		98	95	92			95	93	91			88
4	103	97	93	89		101	96	92	89		94	90	88			92	89	87			85
5	99	93	88	85		98	92	88	84		90	87	84			89	85	83			81
6	96	89	84	81		94	88	84	81		87	83	80			85	82	80			78
7	92	85	81	77		91	85	80	77		84	80	77			82	79	76			75
8	89	82	77	74		88	82	77	74		81	77	74			80	76	74			72
9	86	79	74	71		85	79	74	71		78	74	71			77	73	71			70
10	84	76	72	69		83	76	71	69		75	71	68			74	71	68			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	821442
5°	715146
10°	646158
15°	590412
20°	432338
25°	213338
30°	47370
35°	9592
40°	1602
45°	475
50°	87
55°	98
60°	112
65°	132
70°	164
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1533.8	20.8
10°-20°	3559.0	48.3
20°-30°	2087.6	28.3
30°-40°	180.6	2.5
40°-50°	7.9	0.1
50°-60°	1.2	0.0
60°-70°	1.3	0.0
70°-80°	0.2	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°	7180.4	97.4
0°-40°	7361.1	99.9
0°-60°	7370.1	100.0
0°-90°	7371.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7371.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19079	
5°	16547	###
15°	13246	3559
25°	4491	2088
35°	182	181
45°	8	8
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19078.6
2.5°	17927.8
5°	16546.6
7.5°	15627.5
10°	14779.5
12.5°	14074.0
15°	13245.5
17.5°	11813.8
20°	9435.8
22.5°	6823.4
25°	4490.7
27.5°	2530.8
30°	952.8
32.5°	491.9
35°	182.5
37.5°	55.7
40°	28.5
42.5°	15.5
45°	7.8
47.5°	3.9
50°	1.3
52.5°	1.3
55°	1.3
57.5°	1.3
60°	1.3
62.5°	1.3
65°	1.3
67.5°	1.3
70°	1.3
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)