S.W.COLE ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: Portland ME - Luminato Condominiums - Construction Materials Testing Services

Project Number: 16-0910

Client: Luminato Condominium, LLC

Client Contract Number:

General Contractor:

Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 12/7/2016 **Time Cast:** 8:30 **Date Received:** 12/8/2016

Placement Location: 3RD FLOOR SLAB ON DECK

Placement Method: PUMP

Placement Vol. (yd³): 120

Cylinders Made By: NATHANIEL MCARTHUR

Aggregate Size (in): 3/8

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: MRWR
3% SET FP20

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 7

Air Content (%) (C-173) **Air WR:** 5.0

Air Temp (°F): 30

Conc. Temp (°F) (C-1064): 63

Load Number: 3

Mixer Number: 138

Ticket Number 210153

Cubic Yards: 10

Design (psi): **3500**

Batch 7:18

Arrive 7:45

Depart 8:20

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In)²	Date Of Test	Cure Type	**Age (days)**	Fracture Type	Load (kips)	**Strength (psi)**
841-12A	7.25	4.00	12.57	12/14/2016	Lab	**7**	5	50.6	**4030**
841-12B	7.25	4.00	12.58	1/4/2017	Lab	**28**	5	65.2	**5190**
841-12C	7.25	4.01	12.62	1/4/2017	Lab	**28**	5	64.6	**5120**
841-12D	7.25			Hold	Lab				
841-12E				Hold	Lab				
841-12F				Hold	Lab				

Fracture Types

1 Cone both ends; 2 Cone one end w/ split; 3 Columnar; 4 Diagonal; 5 Side at top or bottom; 6 Pointed End

Remarks: dry unit weight: 841-12E 112.2pcf 841-12F 111.5pcf

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