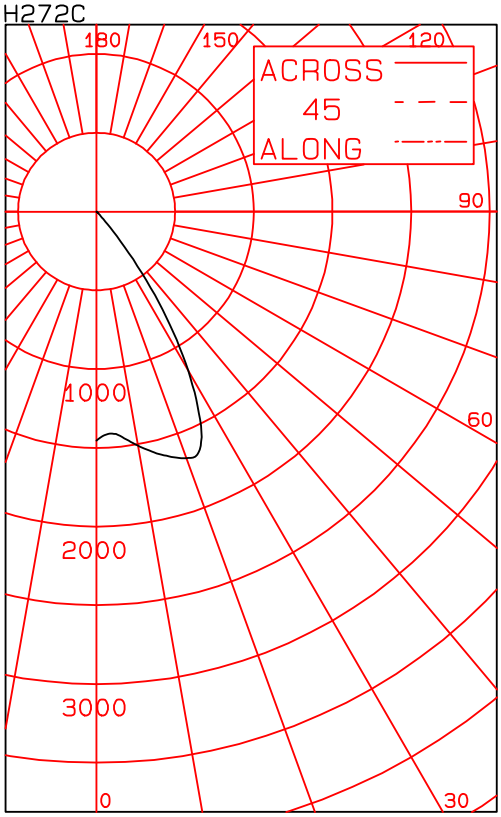
Lumentra Inc.
160 Frobisher Drive, Unit 5, Waterloo, Ontario, Canada N2V 2B1
Tel: (519)746-3140 Email: services@lumentra.com

NVLAP LAB CODE 500084-0

TEST REPORT NO. H272C
ACCREDITED BY NVLAP (LAB CODE 500084-0) TO ISO/IES 17025:2005 FOR IES LM-79-08

VANTAGE LIGHTING LED RECESSED LUMINAIRE CAT. NO. A7VPLED1-2000-35K-L7060SCL
WITH SPECULAR REFLECTOR
ONE WHITE ARRAY LED. LUMEN OUTPUT = 1715 LMS.
PHILIPS ADVANTAGE XITANIUM 120-277V LED DRIVER MODEL XI025C100V036DNM1

H272C



CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS
0	1453	
5	1419	141
10	1508	
15	1599	454
20	1666	
25	1580	692
30	1166	
35	646	394
40	167	
45	18	30
50	8	
55	4	4
60	2	
65	0	1
70	0	
75	0	0
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1287	75.03	75.03
0-40	1680	97.97	97.97
0-60	1714	99.97	99.97
0-90	1715	100.00	100.00
40-90	34	2.03	2.03
60-90	0	.03	.03
90-180	0	.00	.00
0-180	1715	100.00	100.00

** EFFICACY = 62.9 LMS/WATT **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.2
SC = 1.0

ANGLE	MEAN CD/SQ M
45	1190
55	346
65	29
75	0
85	0

PREPARED BY:
Charles Lussier
DATE:
MAR 14, 2014
PREPARED FOR:
VANTAGE LIGHTING
PLAINFIELD, CT, USA

TESTED ACCORDING TO IES LM-79-2008. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE

LUMENTRA, INC.
160 FROBISHER DRIVE, UNIT 5
WATERLOO, ONTARIO

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COMPUTED BY LSC PROGRAM **TEST-LITE**

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CANDLEPOWER DATA
IN 2.5 DEGREE STEPS

ANGLE	CANDLEPOWER	LUMENS
.0	1453	
2.5	1416	
5.0	1419	141
7.5	1459	
10.0	1508	
12.5	1554	
15.0	1599	454
17.5	1635	
20.0	1666	
22.5	1672	
25.0	1580	692
27.5	1393	
30.0	1166	
32.5	907	
35.0	646	394
37.5	383	
40.0	167	
42.5	50	
45.0	18	30
47.5	10	
50.0	8	
52.5	6	
55.0	4	4
57.5	3	
60.0	2	
62.5	1	
65.0	0	1
67.5	0	
70.0	0	
72.5	0	
75.0	0	0
77.5	0	
80.0	0	
82.5	0	
85.0	0	0
87.5	0	
90.0	0	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE	
0	67882	(19812)
30	62914	(18362)
40	10157	(2964)
45	1190	(347)
50	562	(164)
55	346	(101)
60	188	(55)
65	29	(8)
70	0	(0)
75	0	(0)
80	0	(0)
85	0	(0)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

LUMENTRA, INC.
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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC	80				70				50			30			10			0
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.15	1.12	1.10	1.08	1.12	1.10	1.08	1.06	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2	1.10	1.06	1.03	1.00	1.08	1.05	1.02	.99	1.01	.99	.97	.99	.97	.95	.96	.94	.93	.92
3	1.06	1.01	.97	.94	1.04	.99	.96	.93	.97	.94	.92	.95	.92	.90	.93	.91	.89	.87
4	1.02	.96	.92	.88	1.00	.95	.91	.88	.93	.89	.87	.91	.88	.86	.89	.87	.85	.83
5	.98	.91	.86	.83	.96	.90	.86	.82	.88	.85	.82	.87	.83	.81	.85	.83	.80	.79
6	.94	.87	.82	.79	.93	.86	.81	.78	.85	.81	.78	.83	.80	.77	.82	.79	.77	.76
7	.90	.82	.77	.74	.89	.82	.77	.74	.81	.76	.73	.79	.76	.73	.78	.75	.73	.71
8	.87	.78	.73	.70	.85	.77	.73	.70	.77	.72	.69	.76	.72	.69	.75	.71	.69	.68
9	.82	.74	.69	.66	.81	.74	.69	.66	.73	.68	.65	.72	.68	.65	.71	.67	.65	.64
10	.79	.70	.66	.62	.78	.70	.66	.62	.69	.65	.62	.69	.64	.62	.68	.64	.61	.60

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 27.3
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
ABSOLUTE PHOTOMETRY TAKEN.

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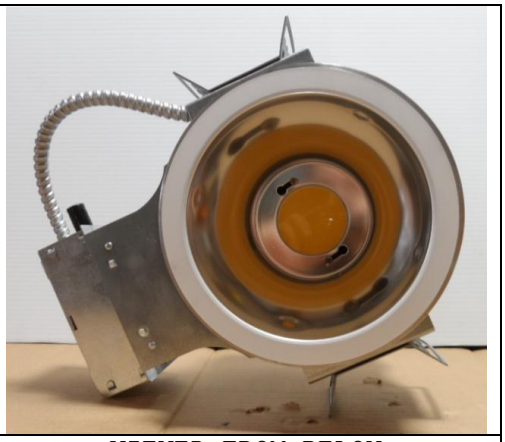
AMBIENT TEMPERATURE: 25.0 °C
STABILIZATION TIME: 1 HOUR
THE LUMINAIRE WAS OPERATED IN THE ORIENTATION INDICATED BY THE PICTURES BELOW
LSI MOVING MIRROR GONIOPHOTOMETER 6240T WAS USED

ELECTRICAL CONSUMPTION

INPUT VOLTAGE: 120.0 VRMS
INPUT CURRENT: 0.228 ARMS
INPUT WATTAGE: 27.25
POWER FACTOR: 0.996

	
SIDE VIEW	VIEWED FROM BELOW