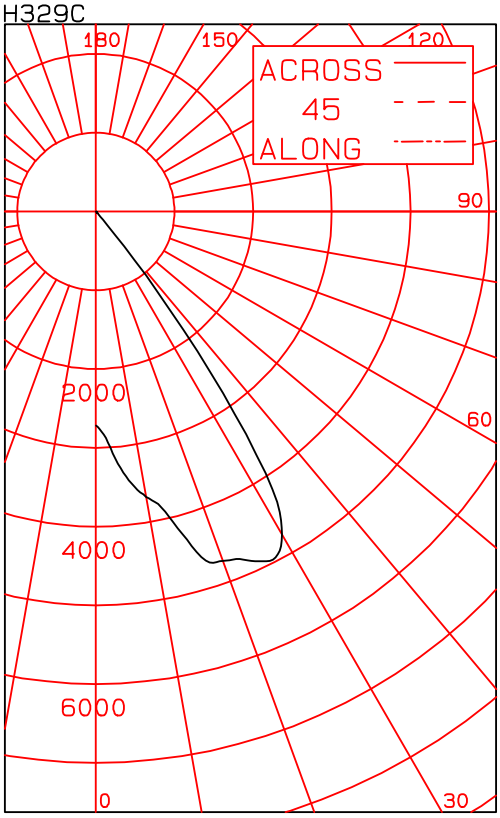
Lumentra Inc.
160 Frobisher Drive, Unit 5, Waterloo, Ontario, Canada N2V 2B1
Tel: (519)746-3140 Email: services@lumentra.com

NVLAP LAB CODE 500084-0

TEST REPORT NO. H329C
ACCREDITED BY NVLAP (LAB CODE 500084-0) TO ISO/IES 17025:2005 FOR IES LM-79-08

VANTAGE LIGHTING LED RECESSED LUMINAIRE CAT. NO. A10VBLED1-5030K-L8060SCL
WITH SPECULAR REFLECTOR
ONE WHITE ARRAY LED. LUMEN OUTPUT = 5442 LMS.
THOMAS RESEARCH PRODUCTS 100-277V LED DRIVER MODEL LED60W-043-C1400-D

H329C



CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS
0	2719	
5	3213	328
10	3678	
15	4237	1219
20	4720	
25	4904	2240
30	4732	
35	2819	1617
40	234	
45	21	36
50	8	
55	2	2
60	0	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	3786	69.59	69.59
0-40	5403	99.30	99.30
0-60	5442	100.00	100.00
0-90	5442	100.00	100.00
40-90	38	.70	.70
60-90	0	.00	.00
90-180	0	.00	.00
0-180	5442	100.00	100.00

** EFFICACY = 92.4 LMS/WATT **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.4
SC = 1.1

ANGLE	MEAN CD/SQ M
45	1068
55	99
65	0
75	0
85	0

PREPARED BY:

DATE:
MAR 24, 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

TEST REPORT NO. H329C
COMPUTED BY LSC PROGRAM **TEST-LITE**

VANTAGE LIGHTING LED RECESSED LUMINAIRE CAT. NO. A8VBLED1-5030K-L8060SCL
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CANDLEPOWER DATA
IN 2.5 DEGREE STEPS

ANGLE	CANDLEPOWER	LUMENS
.0	2719	
2.5	2879	
5.0	3213	328
7.5	3488	
10.0	3678	
12.5	3845	
15.0	4237	1219
17.5	4649	
20.0	4720	
22.5	4777	
25.0	4904	2240
27.5	4952	
30.0	4732	
32.5	4181	
35.0	2819	1617
37.5	1284	
40.0	234	
42.5	42	
45.0	21	36
47.5	13	
50.0	8	
52.5	4	
55.0	2	2
57.5	0	
60.0	0	
62.5	0	
65.0	0	0
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	95396	(27843)
30	191714	(55954)
40	10709	(3125)
45	1068	(311)
50	429	(125)
55	99	(28)
60	0	(0)
65	0	(0)
70	0	(0)
75	0	(0)
80	0	(0)
85	0	(0)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

LUMENTRA, INC.
160 FROBISHER DRIVE, UNIT 5
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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	1.14	1.12	1.10	1.08	1.12	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	1.00	.99	.98	.97	.95
2	1.10	1.06	1.02	.99	1.08	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.94	.92	.91
3	1.05	1.00	.96	.92	1.03	.98	.95	.92	.96	.93	.90	.94	.91	.89	.92	.90	.88	.86
4	1.01	.95	.90	.87	.99	.94	.90	.86	.92	.88	.85	.90	.87	.84	.88	.85	.83	.82
5	.97	.89	.84	.81	.95	.88	.84	.80	.87	.83	.80	.85	.82	.79	.84	.81	.78	.77
6	.93	.85	.80	.76	.91	.84	.79	.76	.83	.79	.75	.81	.78	.75	.80	.77	.74	.73
7	.88	.80	.75	.71	.87	.79	.75	.71	.78	.74	.71	.77	.73	.70	.76	.72	.70	.68
8	.84	.76	.70	.67	.83	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.66	.64
9	.80	.71	.66	.62	.79	.70	.66	.62	.70	.65	.62	.69	.64	.61	.68	.64	.61	.60
10	.76	.67	.62	.58	.75	.67	.62	.58	.66	.61	.58	.65	.61	.58	.64	.60	.57	.56

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 58.9
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
ABSOLUTE PHOTOMETRY TAKEN.

LUMENTRA, INC.
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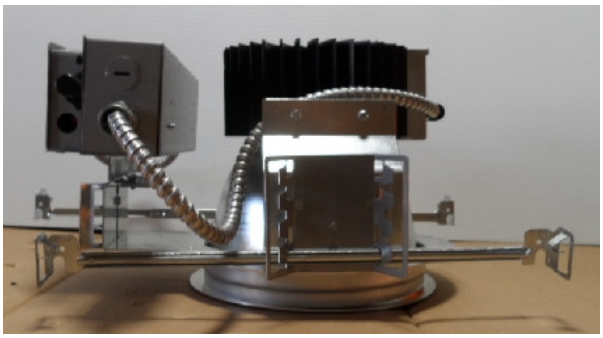
AMBIENT TEMPERATURE: 25.1 °C
STABILIZATION TIME: 1 HOUR 15 MINUTES
THE LUMINAIRE WAS OPERATED IN THE ORIENTATION INDICATED BY THE PICTURES BELOW
LSI MOVING MIRROR GONIOPHOTOMETER 6240T WAS USED

ELECTRICAL CONSUMPTION

INPUT VOLTAGE: 120.0 VRMS
INPUT CURRENT: 0.492 ARMS
INPUT WATTAGE: 58.88
POWER FACTOR: 0.997

	
SIDE VIEW	VIEWED FROM BELOW