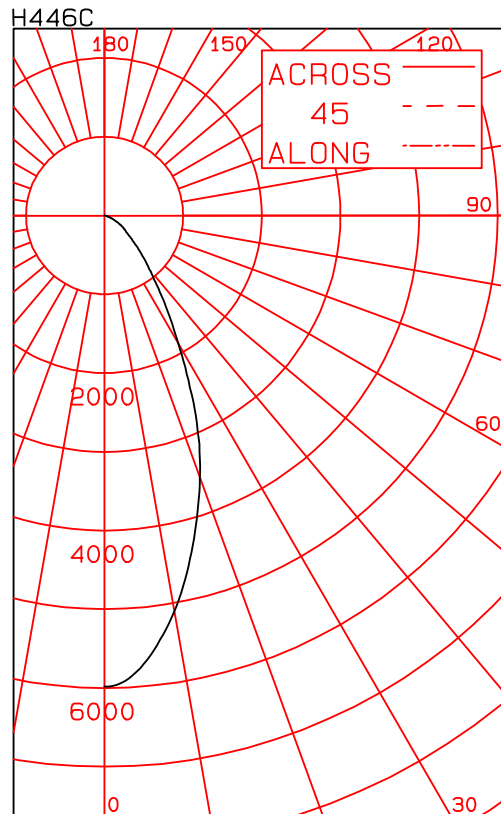


TEST REPORT NO. H446C
 ACCREDITED BY NVLAP (LAB CODE 500084-0) TO ISO/IES 17025:2005 FOR IES LM-79-08

VANTAGE LIGHTING RECESSED INDOOR LED LIGHT CAT. NO. A10VBLED1-5035K-L1014SCL
 WITH SPECULAR REFLECTOR AND PRISMATIC LENS
 ONE WHITE ARRAY LED. LUMEN OUTPUT = 4720 LMS.
 THOMAS RESEARCH PRODUCTS 100-277V LED DRIVER MODEL LED60W-043-C1400-D



CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS
0	5985	
5	5717	532
10	5107	
15	4337	1200
20	3544	
25	2710	1224
30	1878	
35	1294	818
40	888	
45	628	488
50	426	
55	313	284
60	232	
65	141	144
70	78	
75	24	30
80	0	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	2956	62.63	62.63
0-40	3774	79.96	79.96
0-60	4546	96.31	96.31
0-90	4720	100.00	100.00
40-90	945	20.04	20.04
60-90	174	3.69	3.69
90-180	0	.00	.00
0-180	4720	100.00	100.00

** EFFICACY = 78.7 LMS/WATT **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = .7
 SC = .7

ANGLE	MEAN CD/SQ M
45	33468
55	20557
65	12564
75	3505
85	0

PREPARED BY:

Charles Lison

DATE:
 APR 23, 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. H446C
COMPUTED BY LSC PROGRAM **TEST-LITE**

VANTAGE LIGHTING RECESSED INDOOR LED LIGHT CAT. NO. A8VBLED1-5035K-L8014SCL
WITH SPECULAR REFLECTOR AND PRISMATIC LENS
ONE WHITE ARRAY LED. LUMEN OUTPUT = 4720 LMS.
THOMAS RESEARCH PRODUCTS 100-277V LED DRIVER MODEL LED60W-043-C1400-D

CANDLEPOWER DATA
IN 2.5 DEGREE STEPS

ANGLE	CANDLEPOWER	LUMENS
.0	5985	
2.5	5919	
5.0	5717	532
7.5	5432	
10.0	5107	
12.5	4734	
15.0	4337	1200
17.5	3938	
20.0	3544	
22.5	3144	
25.0	2710	1224
27.5	2267	
30.0	1878	
32.5	1563	
35.0	1294	818
37.5	1068	
40.0	888	
42.5	748	
45.0	628	488
47.5	519	
50.0	426	
52.5	358	
55.0	313	284
57.5	276	
60.0	232	
62.5	185	
65.0	141	144
67.5	106	
70.0	78	
72.5	51	
75.0	24	30
77.5	0	
80.0	0	
82.5	0	
85.0	0	0
87.5	0	
90.0	0	

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

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VANTAGE LIGHTING RECESSED INDOOR LED LIGHT CAT. NO. A8VBLED1-5035K-L8014SCL
WITH SPECULAR REFLECTOR AND PRISMATIC LENS
ONE WHITE ARRAY LED. LUMEN OUTPUT = 4720 LMS.
THOMAS RESEARCH PRODUCTS 100-277V LED DRIVER MODEL LED60W-043-C1400-D

AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE
0	224706 (65584)
30	81423 (23764)
40	43515 (12700)
45	33468 (9768)
50	24877 (7260)
55	20557 (5999)
60	17417 (5083)
65	12564 (3667)
70	8526 (2488)
75	3505 (1023)
80	0 (0)
85	0 (0)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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

TEST REPORT NO. H446C
 COMPUTED BY LSC PROGRAM **TEST-LITE**

VANTAGE LIGHTING RECESSED INDOOR LED LIGHT CAT. NO. A8VBLED1-5035K-L8014SCL
 WITH SPECULAR REFLECTOR AND PRISMATIC LENS
 ONE WHITE ARRAY LED. LUMEN OUTPUT = 4720 LMS.
 THOMAS RESEARCH PRODUCTS 100-277V LED DRIVER MODEL LED60W-043-C1400-D

COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	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	1.11	1.06	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00
1	1.14	1.11	1.08	1.06	1.11	1.09	1.07	1.04	1.05	1.03	1.01	1.01	1.01	1.00	.98	.98	.98	.96	.95	.95	.94
2	1.08	1.04	1.00	.96	1.06	1.02	.98	.95	.98	.96	.93	.96	.93	.91	.93	.91	.93	.91	.89	.89	.88
3	1.03	.97	.92	.88	1.01	.95	.91	.88	.93	.89	.86	.91	.88	.85	.88	.86	.88	.86	.84	.84	.82
4	.98	.91	.86	.82	.97	.90	.85	.81	.88	.84	.80	.86	.82	.79	.84	.81	.78	.78	.78	.78	.77
5	.93	.85	.80	.76	.92	.84	.79	.75	.83	.78	.75	.81	.77	.74	.79	.76	.73	.73	.73	.73	.72
6	.89	.81	.75	.71	.88	.80	.74	.70	.78	.74	.70	.77	.73	.69	.76	.72	.69	.69	.69	.69	.68
7	.84	.76	.70	.66	.83	.75	.69	.65	.74	.69	.65	.72	.68	.65	.71	.67	.64	.64	.64	.64	.63
8	.81	.71	.66	.62	.79	.70	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.61	.61	.61	.59
9	.77	.67	.62	.58	.76	.67	.61	.58	.66	.61	.57	.65	.60	.57	.64	.60	.57	.57	.57	.57	.56
10	.73	.64	.58	.54	.72	.63	.58	.54	.62	.57	.54	.62	.57	.54	.61	.57	.54	.54	.54	.54	.52

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 60.0
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 ABSOLUTE PHOTOMETRY TAKEN.

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

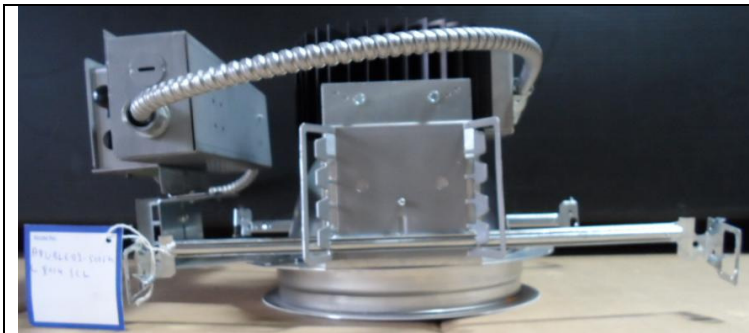
TEST REPORT NO. H446C

VANTAGE LIGHTING RECESSED INDOOR LED LIGHT CAT. NO. A8VBLED1-5035K-L8014SCL
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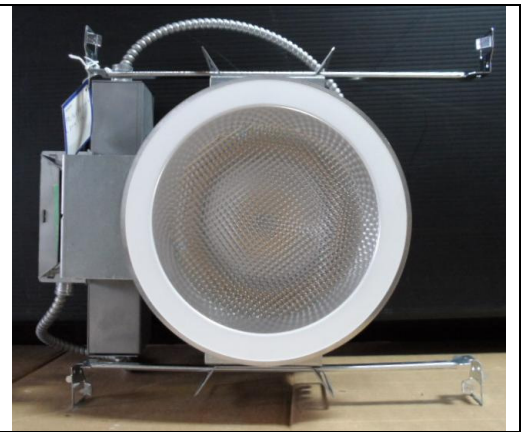
AMBIENT TEMPERATURE: 25.3 °C
STABILIZATION TIME: 1 HOUR 15 MINUTES
THE LUMINAIRE WAS OPERATED IN THE ORIENTATION INDICATED BY THE PICTURES BELOW
LSI MOVING MIRROR GONIOPHOTOMETER 6240T WAS USED

ELECTRICAL CONSUMPTION

INPUT VOLTAGE: 120.0 VRMS
INPUT CURRENT: 0.501 ARMS
INPUT WATTAGE: 60.01
POWER FACTOR: 0.998



SIDE VIEW



VIEWED FROM BELOW