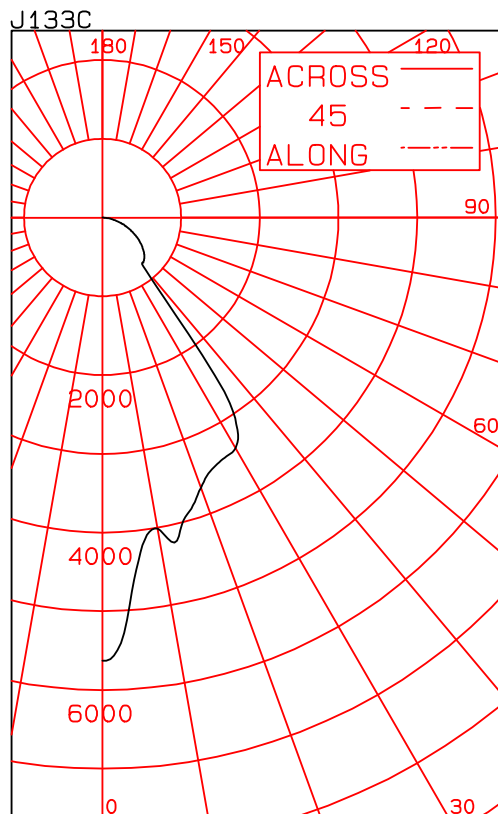


TEST REPORT NO. J133C  
ACCREDITED BY NVLAP (LAB CODE 500084-0) TO ISO/IES 17025:2005 FOR IES LM-79-08

VANTAGE LIGHTING LED LOW BAY LUMINAIRE CAT. NO. AGVBLED16-80-27K-CS-WHT  
WITH WHITE PAINTED REFLECTOR  
ONE WHITE ARRAY LED. LUMEN OUTPUT = 6348 LMS.  
PHILIPS ADVANCE XITANIUM 120-277V LED DRIVER MODEL XI095C275V054DNF1



#### CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS
0	5628	
5	4616	426
10	4009	
15	3982	1115
20	3653	
25	3451	1603
30	3382	
35	2695	1412
40	813	
45	747	577
50	687	
55	603	537
60	507	
65	406	402
70	308	
75	214	226
80	123	
85	39	50
90	0	

#### ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	3143	49.53	49.53
0-40	4556	71.78	71.78
0-60	5669	89.32	89.32
0-90	6348	100.00	100.00
40-90	1791	28.22	28.22
60-90	678	10.68	10.68
90-180	0	.00	.00
0-180	6348	100.00	100.00

\*\* EFFICACY = 74.2 LMS/WATT \*\*

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = .8  
SC = .8

ANGLE	MEAN CD/SQ M
45	7691
55	7654
65	6995
75	6014
85	3240

PREPARED BY:

*Charles Lison*

DATE:

DEC 5, 2014

PREPARED FOR:

VANTAGE LIGHTING  
PLAINFIELD, CT, USA

TESTED ACCORDING TO IES LM-79-2008 SEC. 10. TEST DISTANCE EXCEEDS FIVE  
TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE

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

TEST REPORT NO. J133C  
COMPUTED BY LSC PROGRAM \*\*TEST-LITE\*\*

VANTAGE LIGHTING LED LOW BAY LUMINAIRE CAT. NO. AGVBLED16-80-27K-CS-WHT  
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CANDLEPOWER DATA  
IN 2.5 DEGREE STEPS

ANGLE	CANDLEPOWER	LUMENS
.0	5628	
2.5	5407	
5.0	4616	426
7.5	4122	
10.0	4009	
12.5	4229	
15.0	3982	1115
17.5	3832	
20.0	3653	
22.5	3518	
25.0	3451	1603
27.5	3417	
30.0	3382	
32.5	3189	
35.0	2695	1412
37.5	1300	
40.0	813	
42.5	773	
45.0	747	577
47.5	719	
50.0	687	
52.5	648	
55.0	603	537
57.5	556	
60.0	507	
62.5	457	
65.0	406	402
67.5	356	
70.0	308	
72.5	261	
75.0	214	226
77.5	168	
80.0	123	
82.5	80	
85.0	39	50
87.5	5	
90.0	0	

LUMENTRA, INC.  
160 FROBISHER DRIVE, UNIT 5  
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PHILIPS ADVANCE XITANIUM 120-277V LED DRIVER MODEL XI095C275V054DNF1

AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE
0	40796 ( 11907)
30	28305 ( 8261)
40	7691 ( 2244)
45	7691 ( 2244)
50	7741 ( 2259)
55	7654 ( 2234)
60	7353 ( 2146)
65	6995 ( 2041)
70	6527 ( 1905)
75	6014 ( 1755)
80	5145 ( 1501)
85	3240 ( 945)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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

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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	1.02	1.02	1.02	1.00		
1	1.12	1.09	1.06	1.03	1.10	1.07	1.04	1.01	1.02	1.00	.98	.98	.97	.95	.95	.94	.92	.90			
2	1.05	.99	.95	.90	1.03	.98	.93	.89	.94	.91	.87	.91	.88	.86	.89	.86	.84	.82			
3	.99	.91	.85	.81	.97	.90	.84	.80	.87	.83	.79	.85	.81	.77	.82	.79	.76	.75			
4	.93	.84	.78	.73	.91	.83	.78	.73	.81	.76	.72	.79	.74	.71	.77	.73	.70	.68			
5	.88	.78	.71	.66	.86	.77	.71	.66	.75	.70	.65	.73	.68	.65	.72	.68	.64	.62			
6	.83	.72	.66	.61	.81	.72	.65	.60	.70	.64	.60	.69	.63	.60	.67	.63	.59	.58			
7	.78	.67	.60	.56	.76	.66	.60	.55	.65	.59	.55	.64	.58	.54	.63	.58	.54	.53			
8	.73	.63	.56	.51	.72	.62	.56	.51	.61	.55	.51	.60	.54	.51	.59	.54	.50	.49			
9	.69	.58	.52	.47	.68	.58	.51	.47	.57	.51	.47	.56	.50	.47	.55	.50	.46	.45			
10	.65	.55	.48	.44	.64	.54	.48	.44	.53	.47	.43	.52	.47	.43	.52	.47	.43	.42			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES  
 LUMINAIRE INPUT WATTS = 85.6  
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.  
 ABSOLUTE PHOTOMETRY TAKEN.

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

TEST REPORT NO. J133C

VANTAGE LIGHTING LED LOW BAY LUMINAIRE CAT. NO. AGVBLED16-80-27K-CS-WHT  
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AMBIENT TEMPERATURE: 25.8 °C  
STABILIZATION TIME: 1 HOUR 30 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: 0.721 ARMS  
INPUT WATTAGE: 85.61  
POWER FACTOR: 0.989



SIDE VIEW



VIEWED FROM BELOW