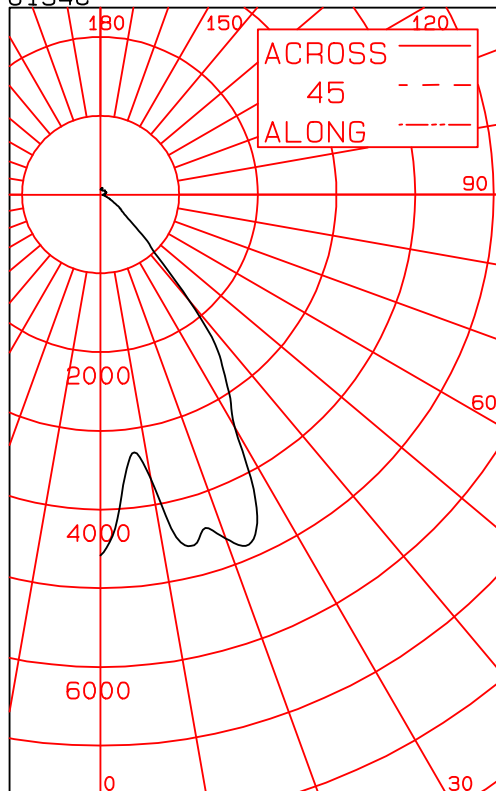


TEST REPORT NO. J134C
ACCREDITED BY NVLAP (LAB CODE 500084-0) TO ISO/IES 17025:2005 FOR IES LM-79-08

VANTAGE LIGHTING LED LOW BAY LUMINAIRE CAT. NO. PGVBLED16-80-27K-CS-BL
WITH PRISMATIC REFLECTOR/REFRACTOR AND BOTTOM LENS
ONE WHITE ARRAY LED. LUMEN OUTPUT = 6870 LMS.
PHILIPS ADVANCE XITANIUM 120-277V LED DRIVER MODEL XI095C275V054DNF1

J134C



CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	4584		90	36	
5	3587	348	95	55	54
10	3650		100	53	
15	4609	1261	105	66	70
20	4649		110	79	
25	4689	2034	115	74	73
30	3418		120	69	
35	2721	1668	125	73	66
40	1752		130	78	
45	842	677	135	72	56
50	418		140	65	
55	301	263	145	60	38
60	187		150	57	
65	127	126	155	56	27
70	76		160	66	
75	41	48	165	88	22
80	28		170	75	
85	32	34	175	63	7
90	36		180	60	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	3643	53.03	53.03
0-40	5310	77.31	77.31
0-60	6251	90.99	90.99
0-90	6458	94.01	94.01
40-90	1147	16.71	16.71
60-90	207	3.02	3.02
90-180	411	5.99	5.99
0-180	6870	100.00	100.00

** EFFICACY = 80.5 LMS/WATT **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.1
SC = 1.1

ANGLE	MEAN CD/SQ M
45	7484
55	2697
65	1175
75	405
85	357

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. J134C
COMPUTED BY LSC PROGRAM **TEST-LITE**

VANTAGE LIGHTING LED LOW BAY LUMINAIRE CAT. NO. PGVBLED16-80-27K-CS-BL
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60	187	
65	127	126
70	76	
75	41	48
80	28	
85	32	34
90	36	
95	55	54
100	53	
105	66	70
110	79	
115	74	73
120	69	
125	73	66
130	78	
135	72	56
140	65	
145	60	38
150	57	
155	56	27
160	66	
165	88	22
170	75	
175	63	7
180	60	

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	214137	(62499)
30	31887	(9306)
40	15711	(4585)
45	7484	(2184)
50	3716	(1084)
55	2697	(787)
60	1700	(496)
65	1175	(343)
70	727	(212)
75	405	(118)
80	295	(86)
85	357	(104)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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

TEST REPORT NO. J134C
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VANTAGE LIGHTING LED LOW BAY LUMINAIRE CAT. NO. PGVBLED16-80-27K-CS-BL
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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	1.18	1.18	1.18	1.18	1.14	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.97	.97	.97	.94
1	1.12	1.09	1.06	1.04	1.09	1.06	1.04	1.01	1.01	.99	.97	.96	.95	.93	.92	.90	.89	.89	.89	.89	.87
2	1.06	1.01	.97	.93	1.03	.99	.95	.92	.94	.91	.89	.91	.88	.86	.87	.85	.83	.87	.85	.83	.81
3	1.00	.94	.89	.84	.98	.92	.87	.84	.88	.85	.81	.85	.82	.79	.82	.80	.77	.82	.80	.77	.76
4	.95	.87	.82	.78	.93	.86	.81	.77	.83	.79	.75	.80	.77	.74	.78	.75	.72	.78	.75	.72	.70
5	.90	.81	.75	.71	.88	.80	.74	.70	.77	.73	.69	.75	.71	.68	.73	.70	.67	.73	.70	.67	.65
6	.85	.76	.70	.65	.83	.75	.69	.65	.73	.68	.64	.71	.66	.63	.69	.65	.62	.69	.65	.62	.61
7	.80	.71	.64	.60	.79	.70	.64	.59	.68	.62	.59	.66	.61	.58	.64	.60	.57	.64	.60	.57	.56
8	.76	.66	.60	.55	.74	.65	.59	.55	.63	.58	.54	.62	.57	.54	.60	.56	.53	.60	.56	.53	.52
9	.71	.61	.55	.51	.70	.60	.55	.50	.59	.54	.50	.58	.53	.49	.56	.52	.49	.56	.52	.49	.47
10	.67	.57	.51	.47	.66	.56	.51	.46	.55	.50	.46	.54	.49	.46	.53	.48	.45	.53	.48	.45	.44

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 85.3
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
ABSOLUTE PHOTOMETRY TAKEN.

LUMENTRA, INC.
160 FROBISHER DRIVE, UNIT 5
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TEST REPORT NO. J134C

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PHILIPS ADVANCE XITANIUM 120-277V LED DRIVER MODEL XI095C275V054DNF1

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 VRMS
INPUT CURRENT: 0.719 ARMS
INPUT WATTAGE: 85.31
POWER FACTOR: 0.989

