REPORT

25800 COMMERCENTRE DRIVE, LAKE FOREST, CA 92630

Project No. G101607677 Date: June 9, 2014

REPORT NO. 101607677LAX-022

TEST OF ONE WHITE FULL ON ZOOM OUT

MODEL NO. PLATINUM WASH 16RPRO

RENDERED TO

ELATION PROFESSIONAL
6122 S. EATERN AVE.
COMMERCE, CA, 90040

TEST: Electrical and Photometric tests as required to the IESNA test standard.

STATEMENT OF LIMITATION: This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the federal government.

AUTHORIZATION: The testing performed was authorized by signed quote number 500519256.

STANDARDS USED: The following American National Standards or Illuminating Engineering Society of North America Test Guides were used in part or totally to test each specimen:

IESNA LM-79 - 2008: Electrical and Photometric Measurements of Solid State Lighting

DESCRIPTION OF SAMPLE: The client submitted one production sample of model number PLATINUM WASH 16RPRO. The sample was received by Intertek on May 29, 2014, in undamaged condition and one sample was tested as received. The sample designation was LAN1405291025-002.

DATES OF TESTS: June 9, 2014

SUMMARY

Model No.:	PLATINUM WASH 16RPRO
Description:	WHITE FULL ON ZOOM OUT

Criteria	Result
Total Lumen Output (Lumens)	16764.5
Total Power (W)	424.80
Luminaire Efficacy (LPW)	39.46
Power Factor	0.992

EQUIPMENT LIST

Equipment Used	Model Number	Control Number	Last Date Calibrated	Calibration Due Date
LSI High Speed Mirror Goniometer	6440T	000943	05/12/14	06/12/14
Elgar Power Supply	CW1251	000944	N/A	N/A
Yokogawa Power Analyzer	WT210	000945	11/14/13	11/14/14
Omega Environmental Monitor	iBTHX-W	000882	09/09/13	09/09/14
Extech Instruments Stop Watch	365510	001380	11/05/13	11/05/14
Tape measure	33-428	000678	12/09/13	12/09/14

TEST METHODS

Seasoning in Sample Orientation – LED Products

No seasoning was performed in accordance with IESNA LM-79.

Photometric and Electrical Measurements – Distribution Method

A LSI Type C High Speed Model 6440 Mirror Goniometer was used to measure the intensity (candelas) at each angle of distribution for each sample.

Ambient temperature was measured equal to the height of the sample mounted on the Goniometer equipment. Each sample was operated at input rated voltage in its designated orientation. Each sample was allowed to stabilize for at least thirty minutes before measurements were made. Electrical measurements including voltage, current, and power were measured using the Yokogawa Power Analyzer.

Some graphics were created with Photometrics Plus software.

RESULTS OF TEST

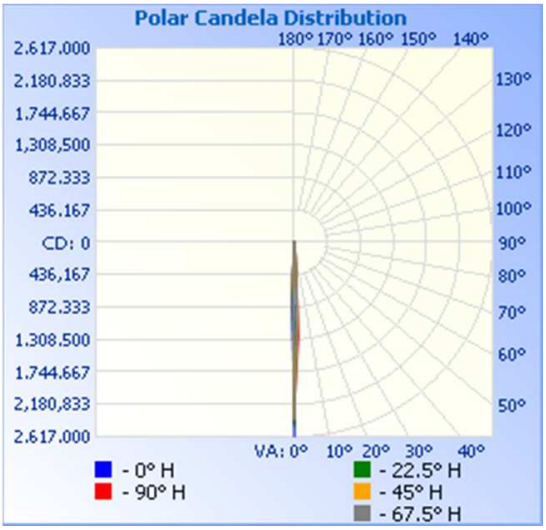
Photometric and Electrical Measurements at Ambient Temperature (25°C +/- 1°C) – Distribution Method

Intertek Sample No.	Base Orientation	Input Voltage {Vac}	Input Current (mA)	Input Power (Watts)	Input Power Factor	Absolute Luminous Flux (Lumens)	Lumen Efficacy (Lumens Per Watt)
LAN1405291025-002	UP	200.0	2569	424.8	0.992	16764.5	39.46

Intensity (Candlepower) Summary at 25°C - Candelas

Maximum Candela Value: 2227490

Angle	0	22.5	45	67.5	90
0	2616284	2485760	2374053	2392857	2227490
5	79374	96025	114695	139765	168302
10	2427	2261	2321	2601	2962
15	973	740	704	833	682
20	687	559	599	611	645
25	268	294	289	210	276
30	194	96	199	0	154
35	236	25	102	78	138
40	40	0	139	12	71
45	166	59	2	40	73
50	0	0	33	63	95
55	0	0	61	0	39
60	0	0	1	0	0
65	3	6	0	86	0
70	0	92	0	0	0
75	0	0	31	0	0
80	0	26	0	59	68
85	31	74	0	126	68
90	61	30	34	81	0



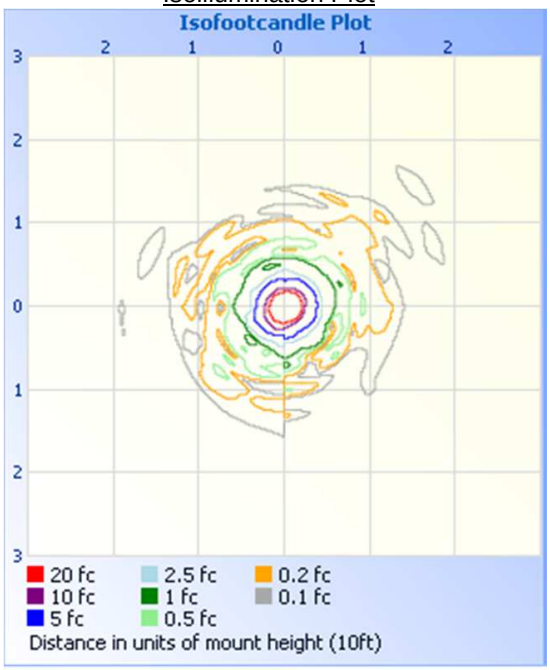
RESULTS OF TEST (cont'd)

Illumination Plots

Mounting Height: 10 ft.

Illuminance - Cone of Light

Isoillumination Plot



Zonal Lumen Summary and Percentages at 25°C

Zone	Lumens	% Luminaire
0-30	16500	98.4%
0-40	16565	98.8%
0-60	16653	99.3%
60-90	107.5	0.6%
0-90	16760.7	0.4%
90-180	3.7	0.0%
0-180	16764.5	100.0%

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire
0-10	0.0	0.0%
10-20	16082	95.9%
20-30	284.5	1.7%
30-40	132.8	0.8%
40-50	65.0	0.4%
50-60	50.7	0.3%
60-70	37.9	0.2%
70-80	36.9	0.2%
80-90	33.5	0.2%
90-100	3.7	0.0%

PICTURE (not to scale)

CONCLUSION

The results tabulated in this report are representative of the actual test samples submitted for this report only. The data is provided to the client for further evaluation. Compliance to the referenced specification requirements was not determined in this report.

In Charge Of Tests:

Erik Linares
Technician
Lighting Division

Report Reviewed By:

Kenda Branch
Engineer
Lighting Division

Attachment: None