REPORT

25800 COMMERCENTRE DRIVE, LAKE FOREST, CA 92630

Project No. G101607677 Date: June 5, 2014

REPORT NO. 101607677LAX-013

TEST OF ONE WHITE FULL ON ZOOM IN

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: May 30, 2014

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SUMMARY

Model No.:	PLATINUM WASH 16RPRO
Description:	White Full On Zoom In

Criteria	Result
Total Lumen Output (Lumens)	14234.3
Total Power (W)	425.19
Luminaire Efficacy (LPW)	33.48
Power Factor	0.991

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

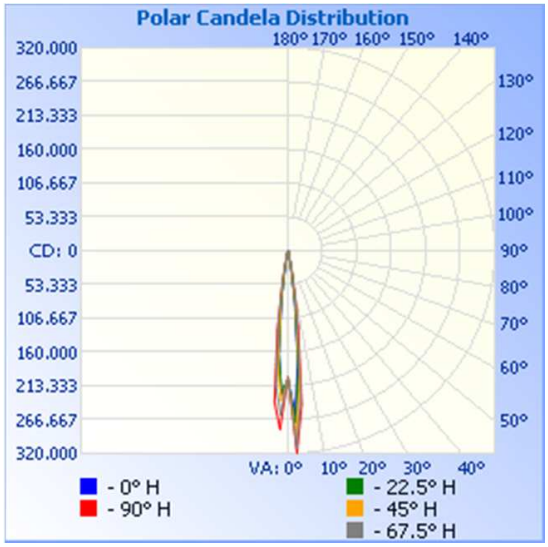
Photometric and Electrical Measurements at Ambient Temperature (25°C +/- 1°C) – Distribution Method

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	120.1	3570	425.2	0.991	14234.3	33.48

Intensity (Candlepower) Summary at 25°C - Candelas

Maximum Candela Value:199438

Angle	0	22.5	45	67.5	90
0	202980	202221	200818	200022	199438
5	174649	185881	206483	228584	242811
10	24208	28854	31917	39691	42657
15	1039	1246	1065	1263	1165
20	401	412	419	401	542
25	129	191	258	121	103
30	24	0	22	136	2
35	0	2	0	136	92
40	0	0	101	23	0
45	198	10	177	0	0
50	0	0	97	42	0
55	59	0	60	26	0
60	28	135	12	86	104
65	33	230	0	0	21
70	16	0	34	0	57
75	153	1	50	0	0
80	178	4	0	0	0
85	43	0	33	83	64
90	0	45	0	167	0

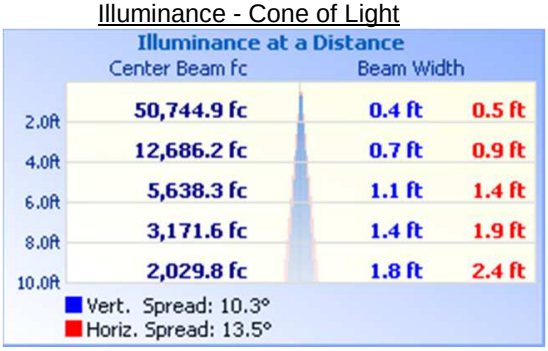


RESULTS OF TEST (cont'd)

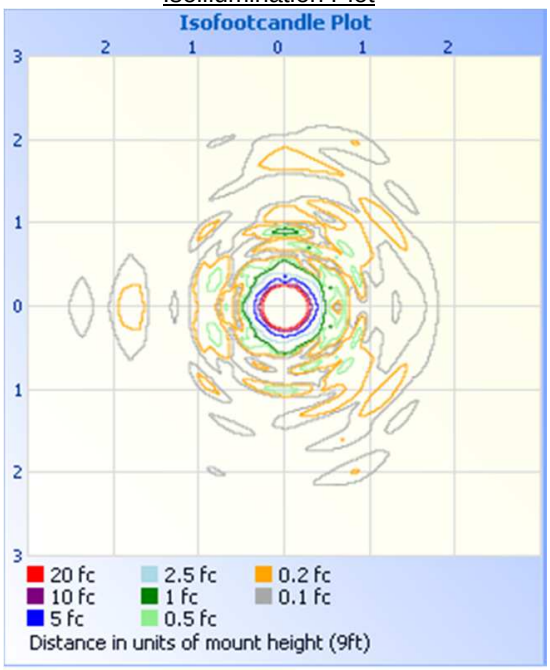
Illumination Plots

Mounting Height: 10 ft.

Illuminance - Cone of Light



Isoillumination Plot



Zonal Lumen Summary and Percentages at 25°C

Zone	Lumens	% Luminaire
0-30	14016	98.5%
0-40	14040	98.6%
0-60	14116	99.2%
60-90	112.8	0.8%
0-90	14228.7	0.5%
90-180	5.6	0.0%
0-180	14234.3	100.0%

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire
0-10	0.0	0.0%
10-20	12465	87.6%
20-30	1471	10.3%
30-40	80.1	0.6%
40-50	24.1	0.2%
50-60	38.6	0.3%
60-70	37.4	0.3%
70-80	44.7	0.3%
80-90	25.7	0.2%
90-100	5.6	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:

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Lighting Division

Report Reviewed By:

Kenda Branch
Engineer
Lighting Division

Attachment: None