

① 2011 Danuf M Speyer MET Fall 2011 Lab #1 9/29/14  
 SUMMARY OF DATA TAKEN ON 9/29/11 in class 9/10/13

Desc	Table	Final Temp (°C)
BLK PAPER WATER DROPS	5	66
BLK PAPER	2	63½
	6	61
WHITE PAPER	3	49

add 6/3/2014

Angle (degrees)	Meas'd Light Intensity (Watts)	(%)	Angle to Normal	Refract (in %)
90	3400	100 *	0	100
80	3200	100	10	98
70	3300	97	20	94
60	3200	94	30	96
50	2900	93 *	45	76
40	2600	76	50	64
30	2100	62	60	50
20	1500	44 *	70	34
10	800	24	80	17
0	300	8	90	0

\* Example Calc:  $\frac{3400}{3400} = 1.00$  or 100%  
 $\frac{2900}{3400} = .85$  or 85%  
 $\frac{1500}{3400} = .44$  or 44%

\* Column (Angle to normal)