

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : HP-2-ID-RG-4FT-S-H-835-TG-F-ITL90352.014.IES

### DESCRIPTION INFORMATION (From Photometric File)

[TEST]ITL90352.014 Family Correlation File

[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.

[TESTDATE]04/04/18

[ISSUEDATE]05/17/18

[MANUFAC]FINELITE, INC.

[LUMCAT]HP-2-ID-RG-4ft-S-H-835-TG-F

[\_INPUT\_ELECTRICAL]120.0 VOLTS, 42.4 WATTS

[\_INPUT\_ELECTRICAL]277.0 VOLTS, 44.7 WATTS

[\_ABSOLUTE]LUMENS]4039

[OTHER]see [www.finelite.com](http://www.finelite.com) for source file ITL90352. For further details on Finelite family correlation files, go to

[more][http://www.finelite.com/download\\_files/series\\_downloads/photometry\\_pdf/FL\\_Family\\_Correlation\\_WhitePaper.pdf](http://www.finelite.com/download_files/series_downloads/photometry_pdf/FL_Family_Correlation_WhitePaper.pdf)

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4039
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	42.4
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.18 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14562	10237	8066
55	12991	8050	6238
65	11260	6091	4834
75	9399	4699	4289
85	6503	3523	3252

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1232.802	1232.802	1232.802	1232.802	1232.802
2.5	1230.469	1230.469	1228.913	1227.358	1226.580
5.0	1223.469	1221.913	1216.468	1211.802	1210.246
7.5	1213.357	1208.691	1197.024	1186.134	1182.246
10.0	1199.357	1189.246	1170.579	1151.912	1142.578
12.5	1181.468	1165.134	1136.356	1110.689	1096.688
15.0	1160.467	1134.800	1097.466	1060.910	1043.798
17.5	1134.800	1101.355	1052.354	1007.242	987.019
20.0	1106.800	1063.243	1004.131	949.685	927.907
22.5	1074.910	1022.798	952.797	892.129	865.684
25.0	1037.576	980.019	899.907	830.683	804.238
27.5	999.464	933.352	846.239	771.571	742.793
30.0	956.686	885.906	790.238	712.458	682.125
32.5	914.685	838.461	735.014	654.124	623.790
35.0	869.573	787.904	680.569	598.901	567.789
37.5	822.905	738.904	627.679	544.455	514.121
40.0	776.237	688.347	575.567	493.899	464.342
42.5	728.792	637.790	524.233	446.453	417.675
45.0	678.236	589.567	476.787	401.341	375.674
47.5	630.790	541.344	430.897	359.340	336.007
50.0	581.789	493.121	386.563	320.451	299.450
52.5	537.455	447.231	344.562	284.672	266.783
55.0	490.788	402.119	304.117	252.005	235.671
57.5	444.120	357.785	267.561	221.671	206.893
60.0	399.786	316.562	232.560	192.893	179.670
62.5	356.229	276.894	200.671	164.892	153.225
65.0	313.451	238.782	169.559	138.447	134.558
67.5	273.005	203.782	141.558	122.114	119.002
70.0	233.338	169.559	115.113	105.780	103.447
72.5	196.004	136.892	96.446	90.224	87.891
75.0	160.225	107.335	80.113	74.668	73.113
77.5	126.002	79.335	63.779	59.890	58.334
80.0	94.891	56.779	48.223	45.890	45.112
82.5	65.335	39.667	34.223	32.667	31.890
85.0	37.334	23.334	20.223	19.445	18.667
87.5	11.667	8.556	7.778	7.000	6.222
90.0	0.000	0.000	0.000	0.000	0.000
92.5	12.279	11.870	11.460	10.642	10.232
95.0	28.241	28.241	28.241	27.013	26.195
97.5	45.022	45.022	44.203	44.203	43.385
100.0	63.031	63.031	62.622	62.212	61.803
102.5	82.268	81.858	81.858	81.449	81.040
105.0	102.732	102.323	102.323	101.914	101.095
107.5	124.425	124.016	124.016	123.197	122.378
110.0	146.936	146.117	146.527	145.299	144.889
112.5	170.675	169.856	170.266	168.628	168.219
115.0	195.642	194.004	194.823	192.777	192.367
117.5	220.608	219.381	219.381	218.153	217.334
120.0	246.394	244.757	245.166	243.119	242.301
122.5	272.998	270.542	271.361	269.314	268.496
125.0	300.420	297.146	297.965	295.918	295.099
127.5	327.843	324.159	324.978	323.341	320.885
130.0	355.265	351.173	352.401	350.763	347.898
132.5	381.870	378.186	379.823	377.777	375.321

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : HP-2-ID-RG-4FT-S-H-835-TG-F-ITL90352.014.IES****CANDELA TABULATION - (Cont.)**

<b>135.0</b>	409.292	405.199	406.836	405.199	401.925
<b>137.5</b>	437.533	432.212	434.259	432.622	428.938
<b>140.0</b>	464.546	458.816	461.272	459.226	455.542
<b>142.5</b>	491.560	484.602	487.876	485.420	481.327
<b>145.0</b>	517.754	509.569	512.843	510.796	506.704
<b>147.5</b>	541.493	533.717	537.400	535.354	531.261
<b>150.0</b>	564.823	557.046	560.730	558.274	554.591
<b>152.5</b>	586.515	578.330	582.832	579.967	576.692
<b>155.0</b>	606.571	598.794	604.115	600.431	597.566
<b>157.5</b>	625.398	617.622	622.533	619.259	616.803
<b>160.0</b>	640.951	634.812	639.314	636.449	634.403
<b>162.5</b>	656.095	650.365	654.049	651.593	649.546
<b>165.0</b>	669.192	664.281	667.146	665.509	663.462
<b>167.5</b>	679.834	676.560	678.197	677.378	675.332
<b>170.0</b>	688.838	686.792	687.611	686.792	685.973
<b>172.5</b>	694.978	694.978	694.978	694.159	694.159
<b>175.0</b>	700.708	700.299	700.299	699.889	699.480
<b>177.5</b>	703.573	703.573	703.573	703.573	703.573
<b>180.0</b>	704.801	704.801	704.801	704.801	704.801

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	422.85	N.A.	10.50
0-30	839.90	N.A.	20.80
0-40	1275.34	N.A.	31.60
0-60	1957.03	N.A.	48.50
0-80	2251.05	N.A.	55.70
0-90	2277.5	N.A.	56.40
10-90	2162.81	N.A.	53.50
20-40	852.49	N.A.	21.10
20-50	1237.81	N.A.	30.60
40-70	874.92	N.A.	21.70
60-80	294.02	N.A.	7.30
70-80	100.79	N.A.	2.50
80-90	26.44	N.A.	0.70
90-110	139.77	N.A.	3.50
90-120	332.11	N.A.	8.20
90-130	598.05	N.A.	14.80
90-150	1230.71	N.A.	30.50
90-180	1761.42	N.A.	43.60
110-180	1621.65	N.A.	40.20
0-180	4038.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	114.69
10-20	308.17
20-30	417.04
30-40	435.45
40-50	385.32
50-60	296.37
60-70	193.23
70-80	100.79
80-90	26.44
90-100	31.20
100-110	108.57
110-120	192.34
120-130	265.94
130-140	313.09
140-150	319.57
150-160	276.68
160-170	187.61
170-180	66.42

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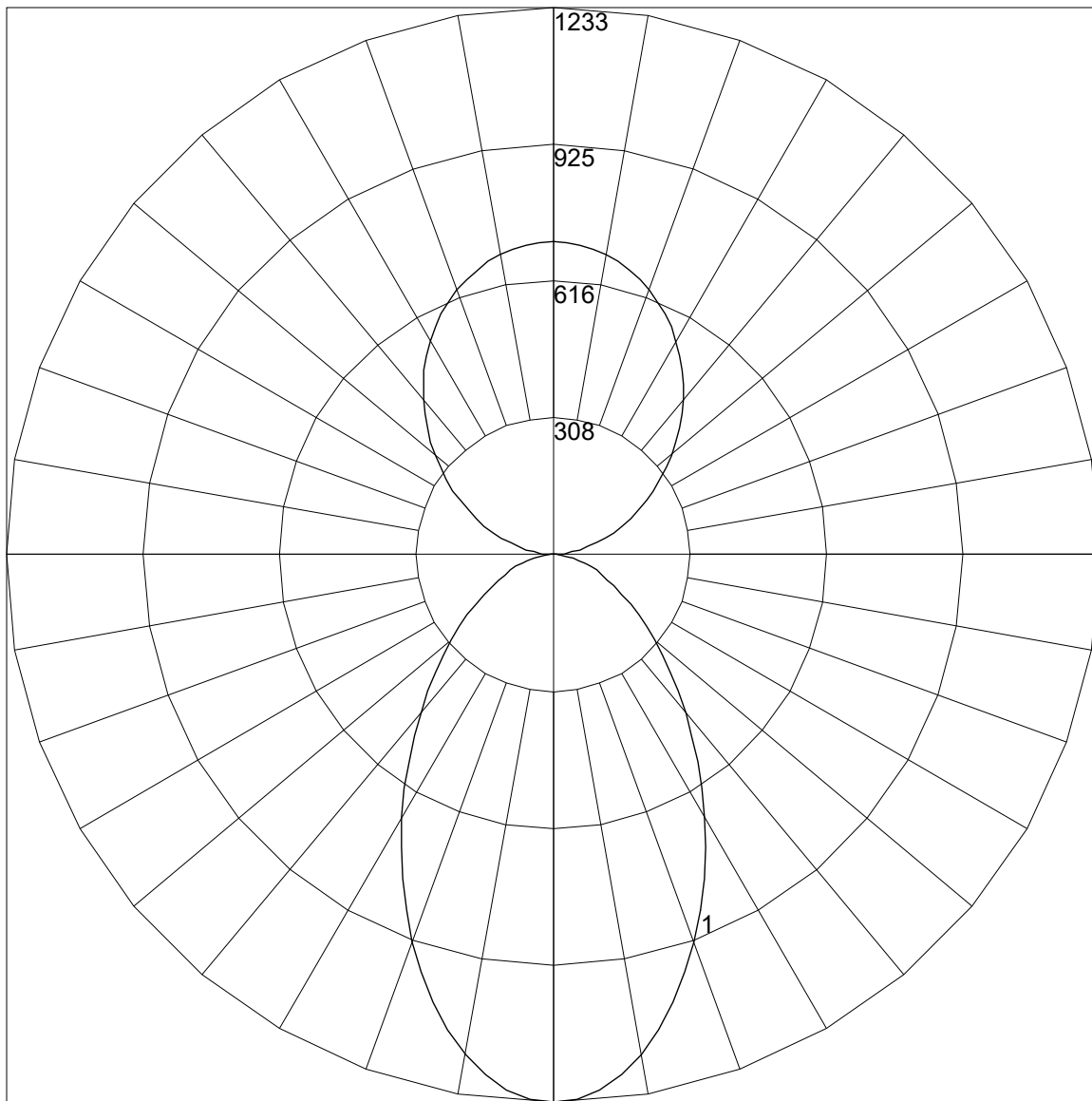
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	100	96	92	89	93	89	86	83	77	75	73	66	64	63	56	55	54	49
2	92	84	79	74	85	79	74	69	68	65	61	59	56	54	50	48	46	42
3	84	75	68	62	78	70	64	59	61	56	52	53	49	46	45	42	40	36
4	77	67	59	53	72	63	56	51	55	50	45	47	43	40	41	38	35	32
5	71	60	52	46	66	56	49	44	49	44	40	43	39	35	37	34	31	28
6	66	54	46	41	61	51	44	39	45	39	35	39	35	31	34	31	28	25
7	61	49	41	36	57	46	39	34	41	35	31	36	31	28	31	28	25	23
8	57	45	37	32	53	42	36	31	38	32	28	33	29	25	29	25	23	21
9	53	41	34	29	50	39	32	28	35	29	25	31	26	23	27	23	21	19
10	50	38	31	26	47	36	30	25	32	27	23	28	24	21	25	22	19	17

POLAR GRAPH



Maximum Candela = 1232.802 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)