

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HPT-RSE-4X4-H-835-ITL91550.003.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

[TEST]ITL91550.003 Family Correlation File  
[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.  
[ISSUE DATE]02/27/19  
[ISSUE DATE]03/22/19  
[MANUFACT]FINELITE, INC.  
[LUMCAT]HPT-RSE-4x4-H-835  
[INPUT\_ELECTRICAL]120.0 VOLTS, 109.3 WATTS  
[INPUT\_ELECTRICAL]277.0 VOLTS, 112.8 WATTS  
[ABSOLUTE LUMENS]15335  
[OTHER]see [www.finelite.com](http://www.finelite.com) for source file ITL91550. 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	15335
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	109.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	3.92 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3544	3534	3538
55	3297	3286	3289
65	2965	2960	2968
75	2467	2446	2441
85	1582	1589	1589

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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	5897.953	5897.953	5897.953	5897.953	5897.953
2.5	5886.104	5892.423	5890.054	5892.423	5886.104
5.0	5858.455	5866.354	5863.194	5864.774	5860.034
7.5	5815.006	5822.906	5818.956	5821.326	5815.006
10.0	5754.968	5761.288	5757.338	5762.078	5755.758
12.5	5680.710	5684.660	5679.920	5685.450	5677.550
15.0	5585.123	5592.233	5589.073	5588.283	5587.493
17.5	5479.267	5483.216	5480.846	5482.426	5482.426
20.0	5358.400	5363.930	5356.820	5363.140	5358.400
22.5	5225.685	5225.685	5223.315	5228.054	5221.735
25.0	5080.329	5080.329	5074.799	5080.329	5077.169
27.5	4916.804	4924.704	4919.174	4916.804	4922.334
30.0	4749.330	4747.750	4745.380	4750.910	4756.439
32.5	4573.165	4568.425	4565.265	4570.795	4566.055
35.0	4389.101	4383.571	4378.041	4387.521	4383.571
37.5	4190.027	4193.187	4187.657	4184.498	4193.187
40.0	3983.844	3983.054	3986.214	3987.004	3987.794
42.5	3781.610	3780.820	3776.080	3780.030	3784.770
45.0	3574.637	3569.107	3564.367	3572.267	3568.317
47.5	3353.444	3349.494	3349.494	3352.654	3357.394
50.0	3132.251	3131.461	3126.721	3130.671	3143.310
52.5	2916.588	2915.798	2911.058	2914.218	2918.958
55.0	2697.765	2685.125	2688.285	2686.705	2691.445
57.5	2469.462	2466.302	2456.032	2466.302	2471.832
60.0	2238.789	2241.159	2234.839	2230.889	2250.639
62.5	2017.596	2005.746	2005.746	2008.906	2010.486
65.0	1787.713	1782.974	1784.553	1786.133	1789.293
67.5	1568.100	1557.831	1554.671	1563.361	1560.991
70.0	1341.378	1335.058	1330.318	1330.318	1343.747
72.5	1119.395	1120.185	1115.445	1111.495	1120.185
75.0	910.841	906.891	902.941	904.521	901.361
77.5	712.557	701.498	701.498	703.868	701.498
80.0	520.594	517.434	509.534	513.484	515.854
82.5	347.589	346.799	344.429	346.009	347.589
85.0	196.704	201.444	197.494	199.074	197.494
87.5	78.208	78.208	79.787	78.997	79.787
90.0	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2131.85	N.A.	13.90
0-30	4470.16	N.A.	29.20
0-40	7210.62	N.A.	47.00
0-60	12366.54	N.A.	80.60
0-80	15094.93	N.A.	98.40
0-90	15334.63	N.A.	100.00
10-90	14778.26	N.A.	96.40
20-40	5078.77	N.A.	33.10
20-50	7830.58	N.A.	51.10
40-70	6922.17	N.A.	45.10
60-80	2728.39	N.A.	17.80
70-80	962.14	N.A.	6.30
80-90	239.70	N.A.	1.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	15334.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	556.37
10-20	1575.48
20-30	2338.3
30-40	2740.46
40-50	2751.81
50-60	2404.11
60-70	1766.25
70-80	962.14
80-90	239.70
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

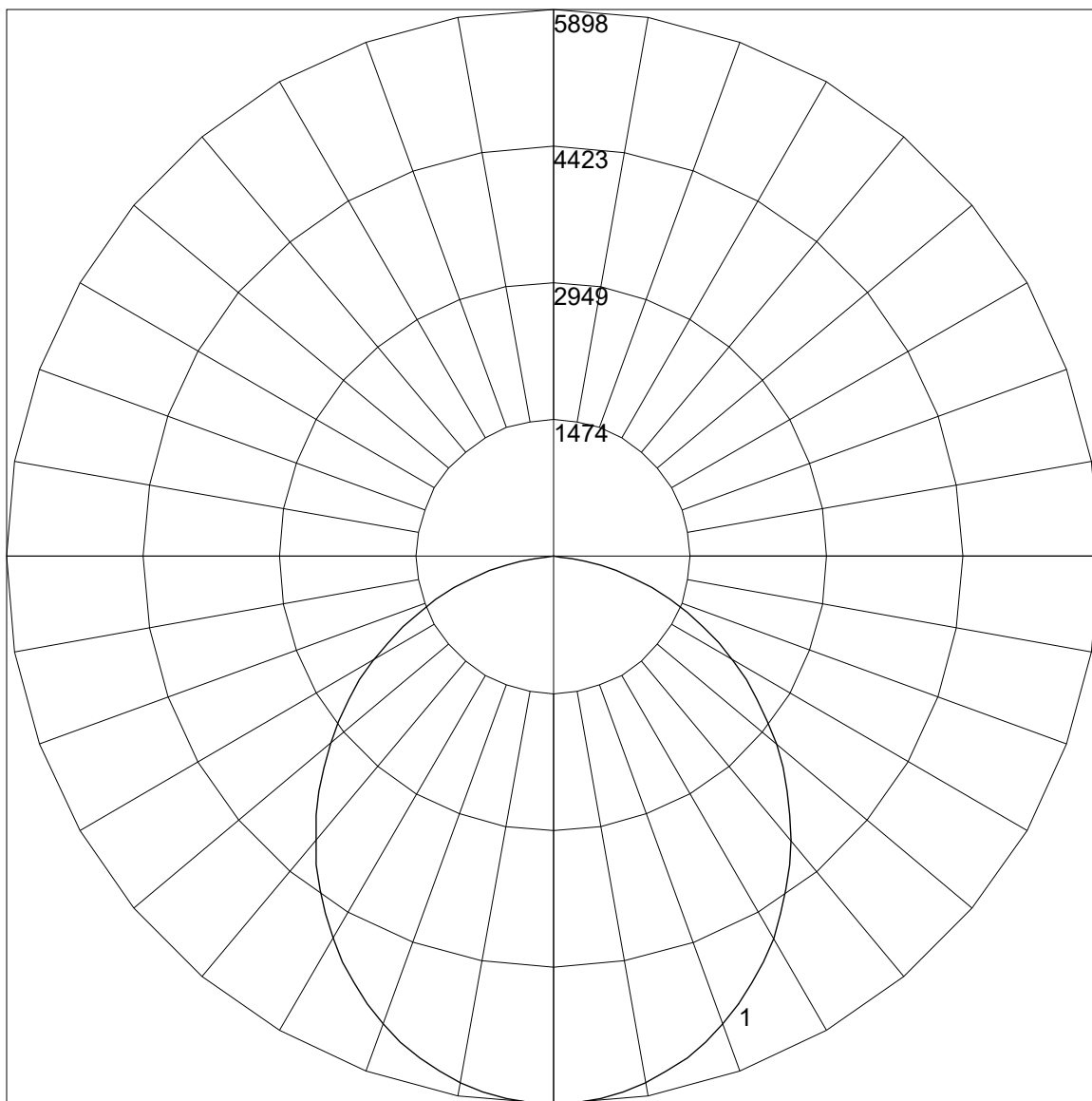
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	85	79	97	89	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 5897.953 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)