

IES INDOOR REPORT

PHOTOMETRIC FILENAME : HP-4-P-D-4FT-S-H-835-ASY-DAO-ITL89988-ITL94331.614.IES

DESCRIPTION INFORMATION (From Photometric File)

[TEST]ITL89988-ITL94331.614 Family Correlation File

[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.

[ISSUEDATE]01/11/21

[_REVISED]08/25/2021

[MANUFAC]FINELITE, INC.

[LUMCAT]HP-4-P-D-4ft-S-H-835-ASY-DAO

[_INPUT_ELECTRICAL]120.0 VOLTS, 42.9 WATTS

[_INPUT_ELECTRICAL]277.0 VOLTS, 45.2 WATTS

[OTHER]see www.finelite.com for source files ITL89988 and ITL94331. 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

[_ABSOLUTE LUMENS]4837

[_CONVERT] Photometric web converted from original test data

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4835
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	42.9
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9184	9481	7859
55	7889	8433	6989
65	6605	7178	6092
75	5319	5885	5269
85	4168	4533	4607

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	1207.155	1207.155	1207.155	1207.155	1207.155	1207.155	1207.155	1207.155	1207.155
2.5	1232.045	1230.489	1224.267	1215.711	1206.377	1195.488	1187.710	1181.487	1179.154
5.0	1251.490	1248.379	1237.489	1220.378	1200.155	1180.709	1162.042	1151.931	1148.042
7.5	1266.268	1260.823	1246.045	1220.378	1190.043	1159.709	1134.041	1120.041	1114.596
10.0	1276.380	1271.713	1249.157	1215.711	1177.598	1136.374	1106.040	1086.595	1077.261
12.5	1279.491	1275.602	1249.157	1206.377	1162.820	1109.929	1075.706	1051.594	1041.482
15.0	1276.380	1271.713	1243.712	1192.377	1141.819	1080.373	1043.038	1015.815	1004.925
17.5	1266.268	1262.379	1233.600	1176.043	1117.707	1049.260	1005.703	980.036	966.813
20.0	1249.157	1246.823	1218.044	1152.708	1091.262	1014.259	969.146	942.701	931.034
22.5	1225.822	1223.489	1197.043	1128.597	1063.261	977.702	934.145	905.366	896.810
25.0	1196.266	1195.488	1171.376	1100.595	1029.037	941.145	896.810	870.365	863.365
27.5	1161.264	1161.264	1139.486	1067.928	993.258	903.033	857.142	836.141	827.586
30.0	1120.819	1123.152	1103.707	1032.149	953.590	861.809	821.363	801.140	795.696
32.5	1075.706	1078.817	1064.039	994.814	912.366	822.141	783.251	766.139	763.806
35.0	1022.815	1030.593	1022.037	952.034	868.032	780.139	746.694	733.471	730.360
37.5	971.480	980.813	973.035	906.922	821.363	738.916	708.581	700.803	700.025
40.0	913.922	927.145	924.034	860.253	776.250	696.136	670.469	665.802	669.691
42.5	857.142	866.476	873.476	812.807	729.582	654.913	633.912	633.912	637.023
45.0	792.584	808.140	818.252	759.139	678.247	612.133	597.355	602.022	605.911
47.5	733.471	750.583	762.250	708.581	631.578	571.687	558.465	568.576	576.354
50.0	673.580	688.358	704.692	658.024	582.577	531.241	522.686	535.131	543.686
52.5	614.467	627.689	647.912	603.577	534.353	486.907	486.129	500.907	511.019
55.0	552.242	570.132	590.355	549.909	489.240	448.016	449.572	467.461	479.128
57.5	496.240	511.019	532.797	499.351	442.572	407.570	413.015	434.016	445.683
60.0	438.683	456.572	478.351	449.572	399.014	369.458	375.680	396.681	409.126
62.5	388.125	400.570	424.682	398.237	357.013	331.345	341.457	362.458	374.902
65.0	340.679	351.568	370.236	350.013	314.234	296.344	304.122	327.456	339.123
67.5	290.899	300.233	319.678	304.900	273.788	259.787	270.676	292.455	300.233
70.0	248.898	255.898	273.010	260.565	237.231	224.786	235.675	255.898	264.454
72.5	205.341	213.119	228.675	217.786	201.452	191.340	203.007	219.341	228.675
75.0	168.006	174.228	185.896	178.895	166.451	160.228	169.562	185.118	192.896
77.5	133.783	137.672	147.005	143.116	133.783	129.116	138.450	150.117	154.783
80.0	101.115	104.226	111.226	110.448	102.670	100.337	107.337	117.449	120.560
82.5	71.558	72.336	77.781	77.003	74.669	73.114	77.781	84.003	87.114
85.0	44.335	44.335	48.224	48.224	49.002	46.668	49.780	52.113	54.446
87.5	17.112	18.667	20.223	21.779	22.556	21.779	22.556	23.334	24.112
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	27.428	27.838	23.744	24.972	9.006	23.744	37.253	44.622	47.488
95.0	58.132	59.360	59.769	60.997	23.334	37.663	57.722	68.366	71.641
97.5	91.701	97.841	111.351	92.519	38.072	49.944	76.144	91.701	96.204
100.0	142.054	150.242	162.932	122.813	53.219	63.454	91.291	110.532	117.082
102.5	191.998	201.414	212.877	152.698	69.185	76.963	107.666	124.860	131.410
105.0	238.258	256.680	264.868	182.173	84.741	89.654	120.357	140.826	145.329
107.5	293.524	325.046	319.315	209.192	101.116	101.116	132.638	154.745	158.839
110.0	369.668	400.781	371.306	232.117	117.492	112.579	145.329	169.073	173.167
112.5	462.188	475.697	422.478	252.177	134.276	123.632	158.020	182.992	187.905
115.0	546.520	548.976	464.235	270.599	151.060	135.095	169.482	196.501	201.823
117.5	625.530	613.248	493.710	286.565	167.845	146.967	180.126	210.011	215.742
120.0	688.983	661.145	511.723	301.712	186.267	159.657	189.542	221.883	229.252
122.5	734.833	692.668	521.957	317.268	205.098	171.939	198.548	233.755	242.352
125.0	761.852	707.405	527.279	332.006	223.111	183.811	206.327	242.761	253.814
127.5	771.268	709.452	530.554	346.334	241.533	196.092	213.695	250.130	264.049
130.0	767.174	703.311	533.010	361.481	259.546	207.964	220.655	254.633	270.190
132.5	754.484	693.077	535.876	377.037	277.968	219.836	228.024	257.908	272.236

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135.0	738.109	681.205	539.560	392.594	296.390	233.755	234.983	260.364	273.055
137.5	721.324	669.742	544.063	408.969	315.221	248.902	242.352	262.821	273.055
140.0	704.540	659.099	548.976	425.344	334.462	265.277	249.311	264.868	273.055
142.5	689.802	651.320	554.298	441.719	353.293	282.471	256.271	266.914	273.055
145.0	678.339	644.770	559.620	457.685	372.125	299.255	263.639	269.780	273.464
147.5	668.514	639.858	566.170	473.241	390.956	316.449	272.646	273.874	275.511
150.0	660.736	636.173	573.129	487.979	409.787	334.871	284.108	278.377	278.786
152.5	653.777	632.898	580.089	501.488	426.981	354.521	300.483	284.108	282.471
155.0	647.227	630.851	586.229	513.360	443.766	375.400	320.543	292.705	289.021
157.5	643.542	630.033	590.732	524.004	459.731	396.687	342.240	307.443	299.665
160.0	640.677	629.214	593.598	533.010	474.469	417.156	364.346	330.368	319.315
162.5	635.355	626.348	594.008	539.970	487.979	437.216	387.272	356.159	345.515
165.0	629.214	620.208	591.961	545.292	499.441	455.638	413.062	381.950	372.534
167.5	618.980	611.611	586.639	548.157	509.266	472.422	437.625	409.787	400.372
170.0	605.880	600.148	579.679	549.385	517.863	487.979	460.960	440.900	433.531
172.5	589.504	585.820	569.854	548.157	524.004	501.488	482.247	468.328	463.416
175.0	573.539	569.854	559.210	545.292	529.326	513.769	501.488	492.891	489.616
177.5	553.070	551.432	546.110	539.560	531.782	524.004	517.863	513.360	511.723
180.0	533.010	533.010	533.010	533.010	533.010	533.010	533.010	533.010	533.010

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Zone	Lumens	%Lamp	%Fixt
0-20	435.32	N.A.	9.00
0-30	908.93	N.A.	18.80
0-40	1456.55	N.A.	30.10
0-60	2450.71	N.A.	50.70
0-80	2965.95	N.A.	61.30
0-90	3020.62	N.A.	62.50
10-90	2906.8	N.A.	60.10
20-40	1021.24	N.A.	21.10
20-50	1559.09	N.A.	32.20
40-70	1323.22	N.A.	27.40
60-80	515.24	N.A.	10.70
70-80	186.18	N.A.	3.90
80-90	54.67	N.A.	1.10
90-110	236.42	N.A.	4.90
90-120	519.83	N.A.	10.80
90-130	845.82	N.A.	17.50
90-150	1412.67	N.A.	29.20
90-180	1813.96	N.A.	37.50
110-180	1577.54	N.A.	32.60
0-180	4834.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.82
10-20	321.50
20-30	473.61
30-40	547.63
40-50	537.85
50-60	456.31
60-70	329.06
70-80	186.18
80-90	54.67
90-100	59.67
100-110	176.75
110-120	283.42
120-130	325.98
130-140	304.33
140-150	262.52
150-160	209.87
160-170	141.15
170-180	50.27

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

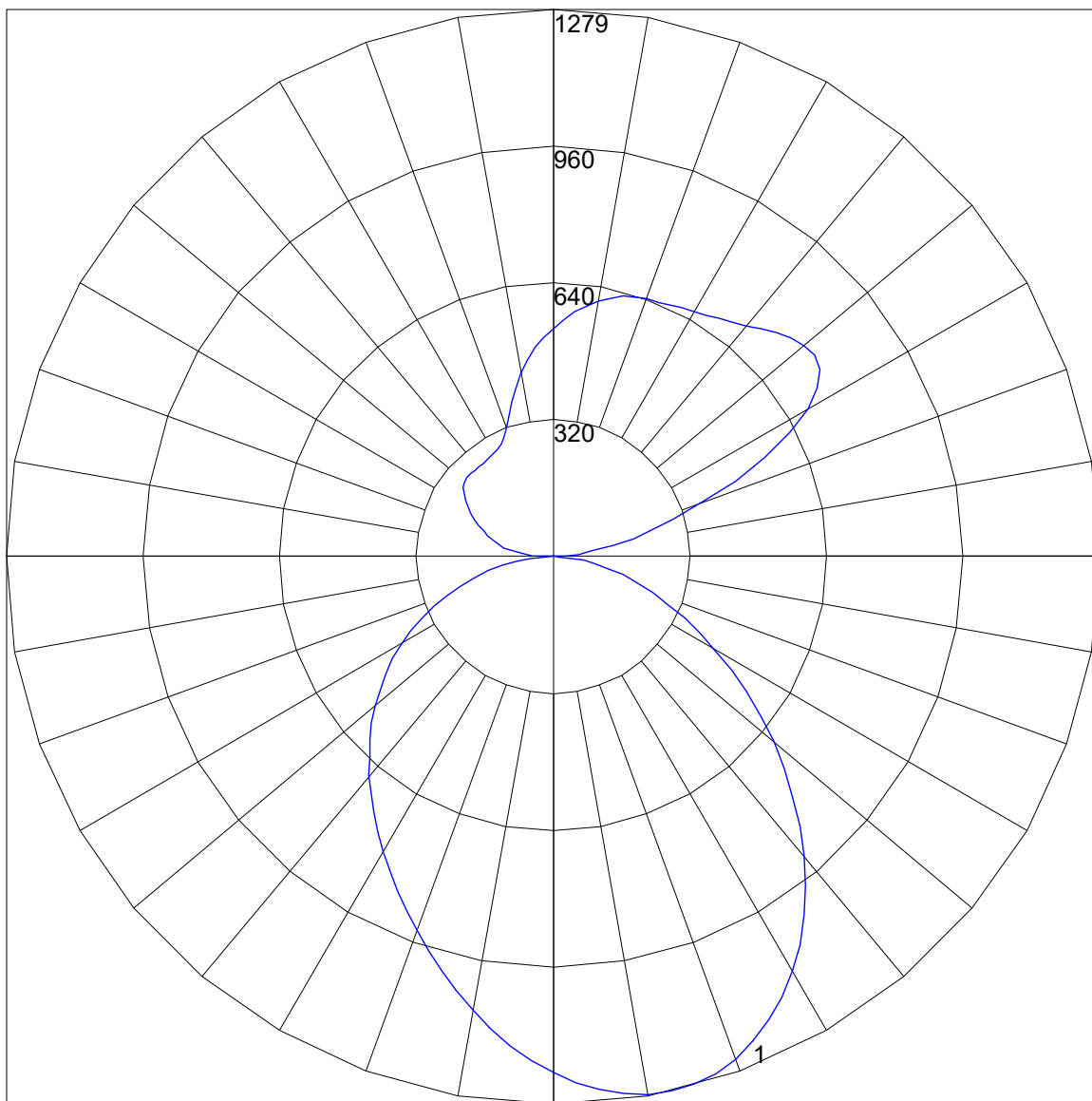
Effective Floor Cavity Reflectance 0.20

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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	68	68	68	62
1	101	96	92	89	94	90	87	84	79	77	74	69	67	66	60	59	57	53
2	92	84	78	73	86	79	74	69	70	65	62	61	58	55	53	50	48	44
3	84	74	67	61	78	70	63	58	62	56	52	54	50	47	47	44	41	38
4	77	66	58	52	72	62	55	49	55	49	45	48	44	40	42	39	36	32
5	71	59	50	44	66	55	48	42	49	43	39	43	39	35	38	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	31	34	31	28	25
7	60	48	40	34	56	45	38	33	40	34	30	36	31	27	32	28	25	22
8	56	43	36	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18
10	49	37	29	24	46	35	28	23	31	26	22	28	23	20	25	21	18	16

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POLAR GRAPH



Maximum Candela = 1279.491 Located At Horizontal Angle = 0, Vertical Angle = 12.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)