

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HPO-P-D-4FT-V-835-F-ITL92552.300.IES

DESCRIPTION INFORMATION (From Photometric File)

[TEST]ITL92552.300 Family Correlation File
[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
[ISSUE DATE]12/13/19
[TEST DATE]09/08/20
[MANUFACTURER]FINELITE, INC.
[LUMEN CATEGORY]HPO-P-D-4ft-V-835-F
[INPUT ELECTRICAL]120.0 VOLTS, 33.5 WATTS
[INPUT ELECTRICAL]120.0 VOLTS, 33.4 WATTS
[ABSOLUTE LUMENS]4011
[OTHER]see www.finelite.com for source file ITL92552. 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4011
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	33.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17674	17693	17577
55	17123	17123	17028
65	16296	16360	16296
75	15220	15325	15430
85	13715	14183	14650

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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	1371	1371	1371	1371	1371
2.5	1370	1369	1369	1369	1370
5.0	1365	1364	1364	1364	1364
7.5	1358	1356	1357	1356	1357
10.0	1348	1345	1347	1348	1346
12.5	1336	1330	1334	1336	1334
15.0	1321	1312	1318	1320	1317
17.5	1303	1292	1300	1300	1298
20.0	1280	1267	1277	1278	1275
22.5	1254	1243	1253	1253	1250
25.0	1228	1215	1225	1225	1223
27.5	1198	1186	1197	1195	1194
30.0	1165	1152	1164	1162	1160
32.5	1128	1119	1128	1128	1124
35.0	1092	1081	1092	1090	1087
37.5	1052	1043	1053	1049	1047
40.0	1012	1002	1011	1007	1004
42.5	969	960	968	965	962
45.0	920	915	921	919	915
47.5	874	869	875	871	869
50.0	826	822	827	822	821
52.5	775	772	776	772	771
55.0	723	721	723	722	719
57.5	670	668	671	670	668
60.0	616	614	618	616	616
62.5	563	560	565	562	564
65.0	507	507	509	509	507
67.5	452	453	454	455	455
70.0	398	397	400	399	402
72.5	342	342	346	346	348
75.0	290	288	292	293	294
77.5	236	236	240	242	244
80.0	184	186	188	191	192
82.5	136	136	139	142	144
85.0	88	89	91	94	94
87.5	40	42	46	48	49
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	501.39	N.A.	12.50
0-30	1064.98	N.A.	26.60
0-40	1745.58	N.A.	43.50
0-60	3099.27	N.A.	77.30
0-80	3910.54	N.A.	97.50
0-90	4011.15	N.A.	100.00
10-90	3881.48	N.A.	96.80
20-40	1244.19	N.A.	31.00
20-50	1952.74	N.A.	48.70
40-70	1856.57	N.A.	46.30
60-80	811.27	N.A.	20.20
70-80	308.39	N.A.	7.70
80-90	100.61	N.A.	2.50
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	4011.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.66
10-20	371.72
20-30	563.60
30-40	680.60
40-50	708.55
50-60	645.14
60-70	502.88
70-80	308.39
80-90	100.61
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

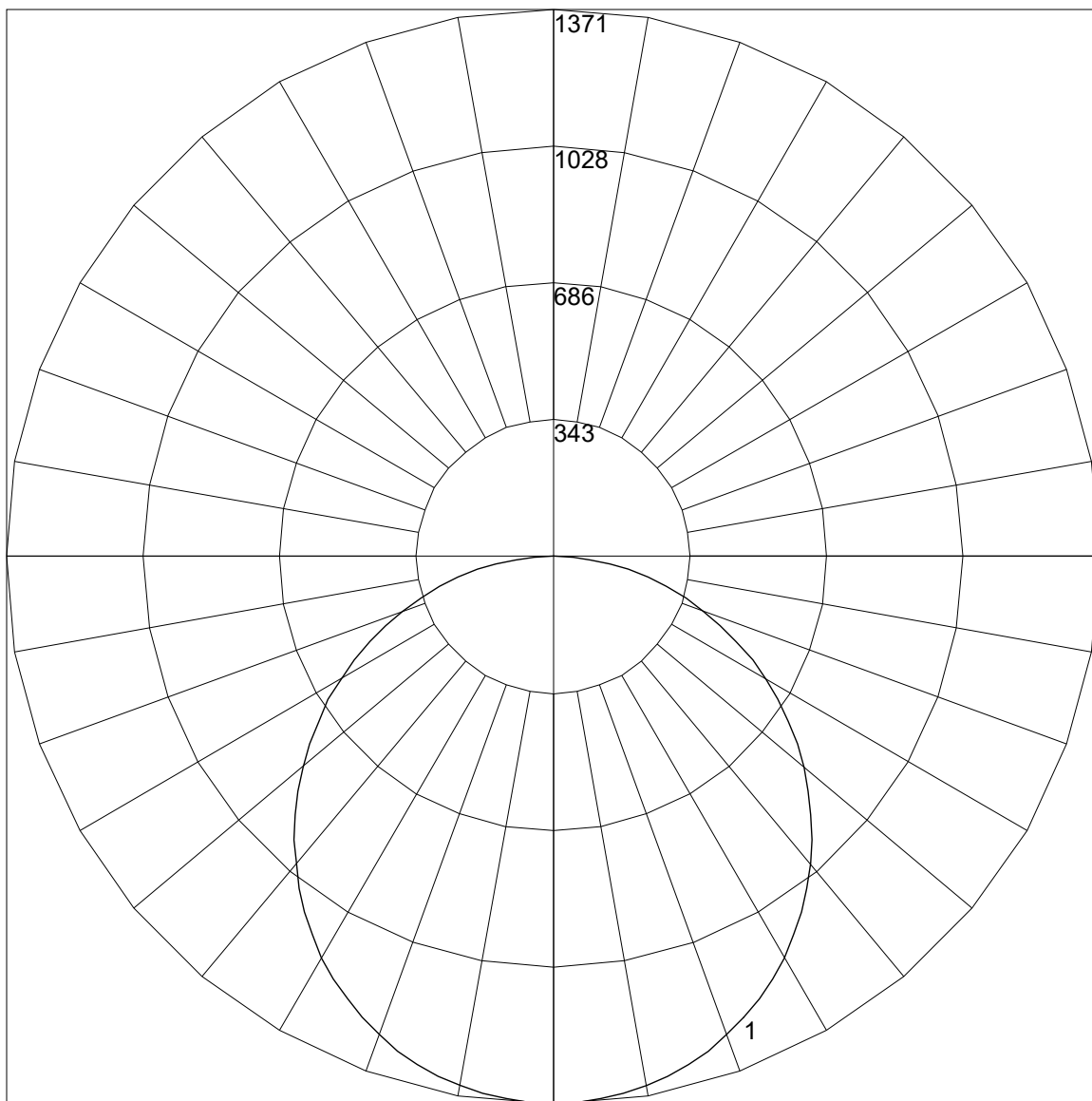
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24

POLAR GRAPH



Maximum Candela = 1371 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)