

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HP3-P-D-4FT-V-835-F-KPL2008-50.600.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] KPL2008-50.600 Family Correlation File  
[TESTLAB] Northern Lights Testing Laboratories  
[ISSUE DATE] 1/18/2024  
[MANUFAC] Finelite, Inc.  
[LUMCAT] HP3-P-D-4ft-V-835-F  
[LUMINAIRE] HP3 Series  
[LAMPCAT] 320 LM561B+ LEDs with 80 CRI  
[LAMP] Samsung  
[BALLAST] Osram  
[BALLASTCAT] x1 @ 700mA  
[CONVERT] Photometric web converted from original test data

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4176
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	34.34
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15072	14384	13685
55	13712	12920	12257
65	12383	11637	11008
75	11050	10295	9935
85	9932	9322	8733

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : HP3-P-D-4FT-V-835-F-KPL2008-50.600.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	1739.962	1739.962	1739.962	1739.962	1739.962
<b>2.5</b>	1728.055	1743.366	1733.684	1733.931	1737.737
<b>5.0</b>	1719.721	1734.508	1724.135	1723.016	1726.612
<b>7.5</b>	1707.020	1719.565	1707.321	1705.295	1707.862
<b>10.0</b>	1695.523	1705.626	1685.612	1680.225	1681.860
<b>12.5</b>	1662.990	1676.082	1663.651	1648.991	1648.233
<b>15.0</b>	1631.660	1641.125	1627.908	1613.277	1609.891
<b>17.5</b>	1595.856	1602.874	1584.851	1572.182	1565.861
<b>20.0</b>	1556.552	1561.964	1537.562	1525.108	1517.477
<b>22.5</b>	1513.364	1514.489	1486.580	1471.336	1464.378
<b>25.0</b>	1472.124	1466.441	1434.444	1413.613	1408.261
<b>27.5</b>	1411.412	1412.038	1380.924	1356.377	1345.240
<b>30.0</b>	1357.460	1350.448	1322.077	1294.289	1283.675
<b>32.5</b>	1298.805	1293.477	1263.181	1231.815	1218.850
<b>35.0</b>	1241.581	1234.179	1197.500	1172.463	1157.040
<b>37.5</b>	1181.594	1170.134	1133.576	1102.490	1090.153
<b>40.0</b>	1114.224	1105.061	1067.656	1037.902	1023.629
<b>42.5</b>	1050.843	1038.960	1004.700	973.857	959.523
<b>45.0</b>	986.859	975.067	941.804	908.119	896.023
<b>47.5</b>	921.060	909.207	876.247	843.832	831.797
<b>50.0</b>	854.899	843.923	810.993	780.392	768.780
<b>52.5</b>	789.342	779.243	748.037	719.643	709.271
<b>55.0</b>	728.261	716.589	686.170	662.886	650.972
<b>57.5</b>	666.454	652.030	626.418	602.771	592.551
<b>60.0</b>	603.558	591.705	565.579	545.379	535.824
<b>62.5</b>	544.048	532.740	507.666	487.165	481.432
<b>65.0</b>	484.587	474.612	455.390	436.911	430.776
<b>67.5</b>	425.975	418.197	399.134	385.285	380.375
<b>70.0</b>	372.343	362.483	347.826	336.118	331.510
<b>72.5</b>	315.846	305.916	296.148	286.080	283.116
<b>75.0</b>	264.816	258.934	246.733	240.586	238.085
<b>77.5</b>	217.353	210.468	200.818	195.240	193.429
<b>80.0</b>	169.480	163.958	158.431	153.003	150.623
<b>82.5</b>	123.711	121.265	117.294	114.746	117.905
<b>85.0</b>	80.155	77.332	75.227	73.195	70.480
<b>87.5</b>	41.886	38.019	35.839	34.019	34.483
<b>90.0</b>	3.459	3.599	3.622	4.488	3.508

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	621.16	N.A.	14.90
0-30	1282.65	N.A.	30.70
0-40	2032.48	N.A.	48.70
0-60	3374.55	N.A.	80.80
0-80	4091.11	N.A.	98.00
0-90	4175.91	N.A.	100.00
10-90	4012.31	N.A.	96.10
20-40	1411.32	N.A.	33.80
20-50	2137.45	N.A.	51.20
40-70	1793.95	N.A.	43.00
60-80	716.56	N.A.	17.20
70-80	264.68	N.A.	6.30
80-90	84.80	N.A.	2.00
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	4175.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

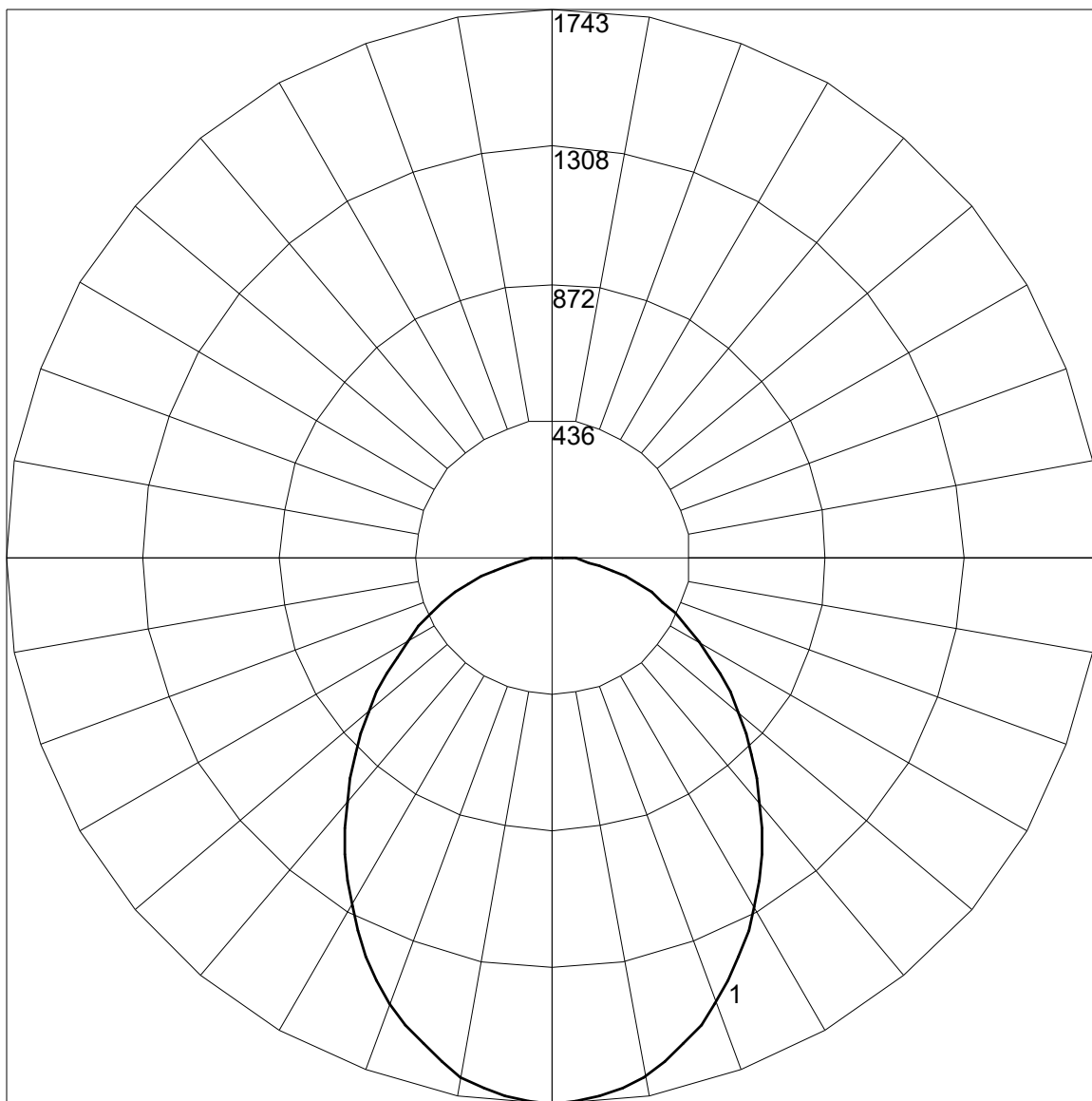
Zone	Lumens
0-10	163.60
10-20	457.56
20-30	661.50
30-40	749.82
40-50	726.13
50-60	615.94
60-70	451.88
70-80	264.68
80-90	84.80
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	100	91	85	79	97	90	83	78	86	81	76	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 1743.366 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)