

IES INDOOR REPORT

PHOTOMETRIC FILENAME : HP3-P-D-4FT-H-835-F-KPL2008-50.601.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] KPL2008-50.001 Family Correlation File
[TESTLAB] Northern Lights Testing Laboratories
[ISSUE DATE] 1/18/2024
[TEST DATE] 02/27/25
[MANUFAC] Finelite, Inc.
[LUMCAT] HP3-P-ID-4ft-V-H-835-F-F
[LUMINAIRE] HP3 Series
[LAMPCAT] 320 LM561B+ LEDs with 80 CRI
[OTHER] INPUT ELECTRICAL: 277.0 VOLTS, 30.6 WATTS
[ABSOLUTE LUMENS] 3266
[LAMP] Samsung
[BALLAST] Osram
[BALLAST CAT] 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	3266
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	30.6
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	11788	11250	10703
55	10724	10104	9586
65	9685	9101	8609
75	8642	8052	7770
85	7768	7290	6830

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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	1360.808	1360.808	1360.808	1360.808	1360.808
2.5	1351.496	1363.471	1355.899	1356.092	1359.068
5.0	1344.978	1356.543	1348.430	1347.555	1350.368
7.5	1335.045	1344.856	1335.280	1333.696	1335.704
10.0	1326.053	1333.954	1318.302	1314.089	1315.368
12.5	1300.609	1310.848	1301.127	1289.661	1289.068
15.0	1276.107	1283.509	1273.172	1261.729	1259.082
17.5	1248.105	1253.593	1239.498	1229.589	1224.646
20.0	1217.365	1221.599	1202.513	1192.774	1186.805
22.5	1183.588	1184.468	1162.641	1150.719	1145.277
25.0	1151.335	1146.891	1121.865	1105.574	1101.388
27.5	1103.853	1104.342	1080.008	1060.811	1052.100
30.0	1061.657	1056.174	1033.984	1012.252	1003.951
32.5	1015.783	1011.617	987.923	963.392	953.252
35.0	971.029	965.240	936.554	916.972	904.911
37.5	924.114	915.152	886.560	862.248	852.599
40.0	871.424	864.258	835.004	811.734	800.571
42.5	821.855	812.561	785.767	761.644	750.435
45.0	771.814	762.591	736.576	710.232	700.771
47.5	720.353	711.083	685.305	659.953	650.541
50.0	668.609	660.024	634.270	610.338	601.256
52.5	617.337	609.439	585.033	562.826	554.714
55.0	569.567	560.438	536.647	518.437	509.119
57.5	521.228	509.947	489.916	471.422	463.429
60.0	472.038	462.767	442.334	426.536	419.063
62.5	425.495	416.651	397.041	381.007	376.523
65.0	378.991	371.190	356.156	341.705	336.906
67.5	333.151	327.068	312.159	301.329	297.488
70.0	291.206	283.494	272.032	262.875	259.271
72.5	247.020	239.254	231.615	223.740	221.422
75.0	207.110	202.510	192.968	188.160	186.204
77.5	169.990	164.605	157.058	152.695	151.279
80.0	132.549	128.230	123.907	119.663	117.801
82.5	96.753	94.841	91.735	89.742	92.213
85.0	62.689	60.481	58.834	57.245	55.122
87.5	32.759	29.734	28.029	26.606	26.969
90.0	3.459	3.599	3.622	4.488	3.508

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HP3-P-D-4FT-H-835-F-KPL2008-50.601.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	485.80	N.A.	14.90
0-30	1003.15	N.A.	30.70
0-40	1589.58	N.A.	48.70
0-60	2639.21	N.A.	80.80
0-80	3199.62	N.A.	98.00
0-90	3266.05	N.A.	100.00
10-90	3138.1	N.A.	96.10
20-40	1103.78	N.A.	33.80
20-50	1671.68	N.A.	51.20
40-70	1403.04	N.A.	43.00
60-80	560.41	N.A.	17.20
70-80	207.00	N.A.	6.30
80-90	66.43	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	3266.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	127.95
10-20	357.85
20-30	517.35
30-40	586.43
40-50	567.90
50-60	481.72
60-70	353.41
70-80	207.00
80-90	66.43
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

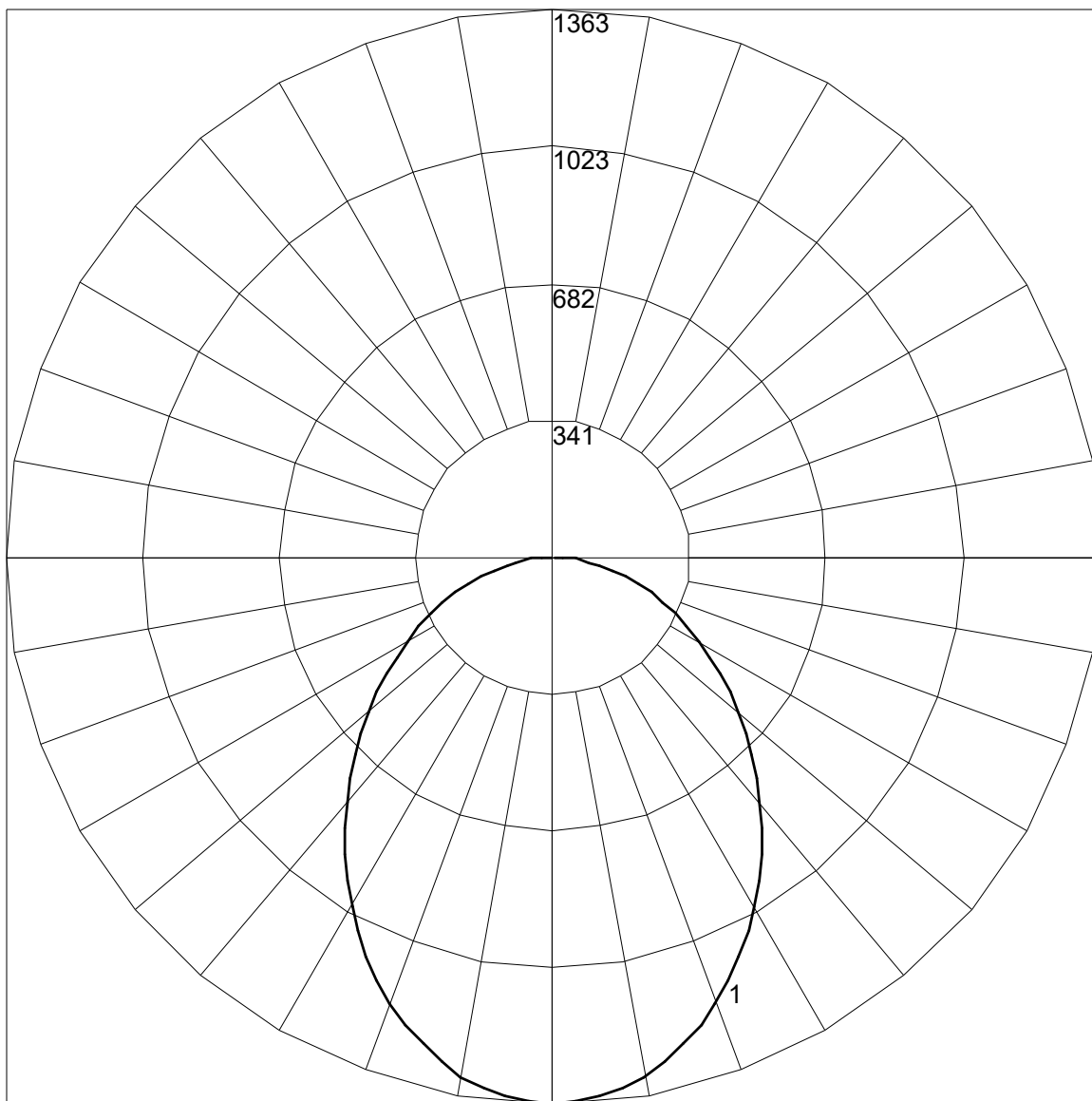
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1363.471 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)