



**IES INDOOR REPORT
PHOTOMETRIC FILENAME : HAZ4165.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 LUMINAIRE: HAZLUX H1
 LAMP: 50-150 WATT HPS
 DESCRIPTION: TEMPERED GLASS GLOBE WITH GUARD & ANGLE REFLECTOR

CHARACTERISTICS

Lumens Per Lamp	16000 (1 lamp)
Total Lamp Lumens	16000
Luminaire Lumens	11758
Total Luminaire Efficiency	73 %
Luminaire Efficacy Rating (LER)	11758
Total Luminaire Watts	1
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	2.42
Spacing Criterion (90-270)	1.94
Spacing Criterion (Diagonal)	1.66
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	1.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	27350	20238	19074
55	27368	20525	17167
65	29294	20895	7488
75	30764	20646	3363
85	31717	18910	526

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HAZ4165.IES

CANDELA TABULATION

	<u>0</u>	<u>45</u>	<u>90</u>	<u>135</u>	<u>180</u>
0	1870.548	1870.548	1870.548	1870.548	1870.548
5	2019.540	1978.800	1862.400	1751.820	1711.080
15	2444.400	2310.540	1984.620	1699.440	1578.966
25	2747.040	2502.600	2025.360	1513.200	1216.380
35	3340.680	2979.840	2386.200	1158.180	646.020
45	3596.760	3212.640	2508.420	205.446	177.510
55	3544.380	3305.760	2223.240	136.188	41.322
65	3620.040	3311.580	925.380	17.460	0.000
75	3503.640	3119.520	382.956	0.000	0.000
85	3195.180	2630.640	52.962	0.000	0.000
90	3055.500	2194.140	14.550	0.000	0.000
95	2933.280	1740.180	0.000	0.000	0.000
105	2002.080	429.516	0.000	5.820	12.222
115	628.560	190.314	0.000	25.026	250.260
125	236.874	49.470	0.000	105.342	125.130
135	47.142	0.000	0.000	5.820	0.000
145	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HAZ4165.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1162.84	7.30	9.90
0-40	2295.07	14.30	19.50
0-60	5333.83	33.30	45.40
0-90	10227.65	63.90	87.00
90-120	1371.92	8.60	11.70
90-130	1489.37	9.30	12.70
90-150	1530.25	9.60	13.00
90-180	1530.25	9.60	13.00
0-180	11757.9	73.50	100.00

Total Luminaire Efficiency = 73.50%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	44.65
10-20	367.64
20-30	750.55
30-40	1132.23
40-50	1437.15
50-60	1601.61
60-70	1603.26
70-80	1456.13
80-90	1834.44
90-100	475.28
100-110	626.84
110-120	269.80
120-130	117.44
130-140	38.30
140-150	2.59
150-160	0.00
160-170	0.00
170-180	0.00

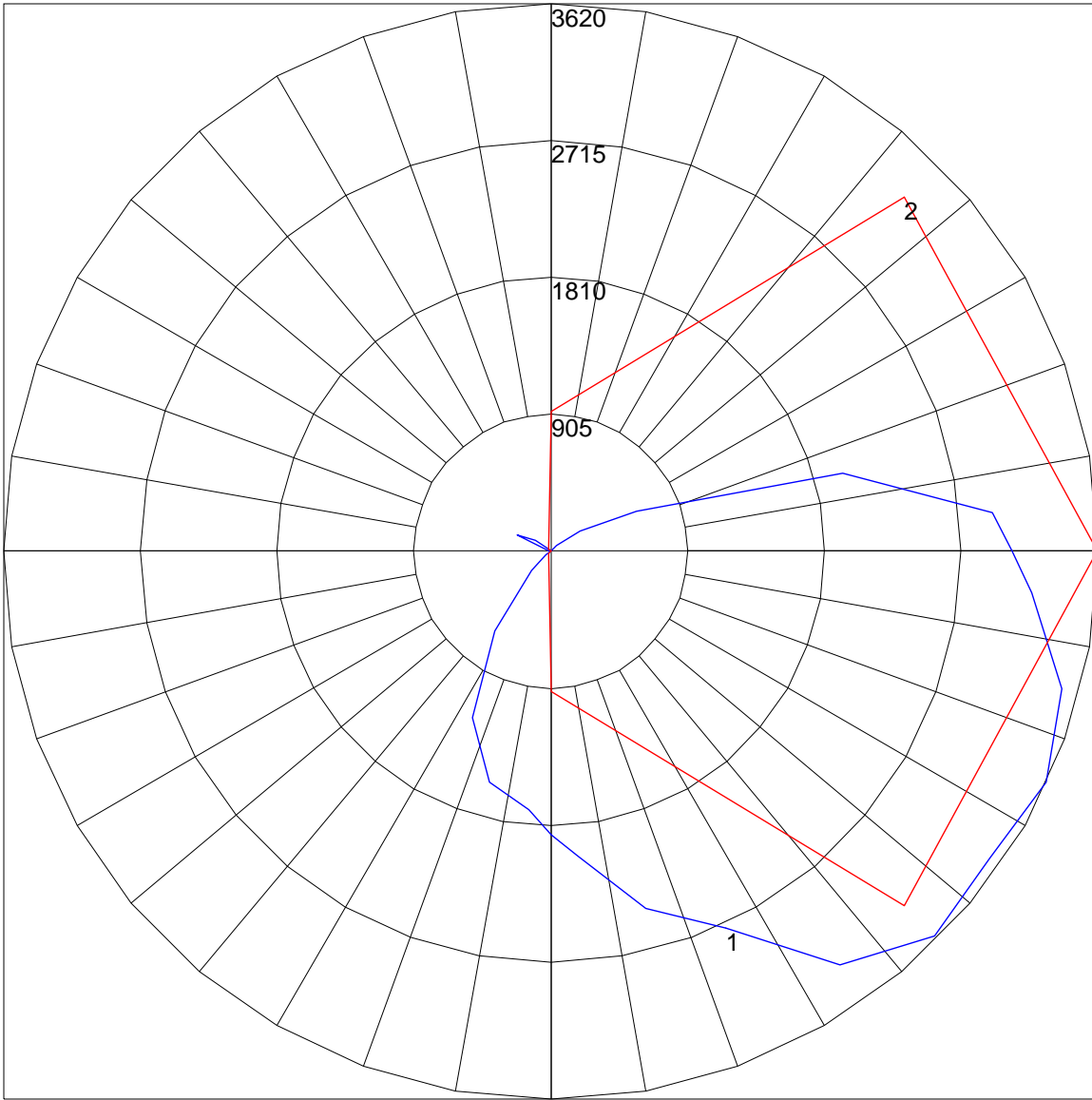
IES INDOOR REPORT
PHOTOMETRIC FILENAME : HAZ4165.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	85	85	85	85	82	82	82	82	76	76	76	71	71	71	66	66	66	64
1	73	67	62	57	69	64	60	56	59	55	52	54	51	49	50	48	45	43
2	64	56	49	43	61	54	47	42	49	44	39	45	41	37	41	38	35	32
3	58	48	40	34	55	46	39	33	42	36	31	38	33	29	35	31	27	25
4	52	41	33	27	49	39	32	26	36	30	25	33	28	24	30	26	22	20
5	47	36	28	22	45	35	27	22	32	26	21	29	24	20	27	22	18	16
6	43	32	24	19	41	31	24	18	28	22	17	26	21	17	24	19	16	14
7	40	29	21	16	38	27	21	16	25	19	15	23	18	14	22	17	13	12
8	37	26	19	14	35	25	18	14	23	17	13	21	16	12	20	15	12	10
9	34	23	17	12	33	22	16	12	21	15	11	19	14	11	18	13	10	9
10	32	21	15	11	30	21	15	10	19	14	10	18	13	9	17	12	9	8

POLAR GRAPH



Maximum Candela = 3620.04 Located At Horizontal Angle = 0, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)