

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_W6_HO_358_WH-AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L042412203 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB
[ISSUE DATE] 5/31/2024
[MANUFAC] Vode Lighting LLC
[LUMCAT] 707-WE-48-35-80-W6_HO
[LUMINAIRE] Wedge, Iso, diffuse, 48", 3500K, 80 CRI, high output
[MORE] Wedge, High output, White
[TEST PROCEDURE] IESNA:LM-79-19

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8022
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	203
Total Luminaire Watts	39.6
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	2.70
Spacing Criterion (Diagonal)	2.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.25 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9832	9801	10836
55	16037	10805	11410
65	21562	11706	11921
75	23266	11678	12347
85	33135	11821	12732

CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8
5	497.8	497.8	497.8	495.9	494.0	495.9	497.8	501.6	503.5	503.5
10	488.3	490.2	490.2	490.2	492.1	494.0	497.8	503.5	507.3	511.1
15	478.8	478.8	480.7	482.6	484.5	488.3	497.8	505.4	513.0	518.7
20	461.7	463.6	467.4	469.3	475.0	482.6	494.0	511.1	532.0	556.7
25	442.7	444.6	450.3	456.0	463.6	476.9	507.3	539.6	581.4	619.4
30	419.9	421.8	429.4	437.0	452.2	486.4	533.9	581.4	628.9	672.6
35	391.4	395.2	404.7	418.0	450.3	501.6	560.5	615.6	668.8	722.0
40	362.9	366.7	380.0	402.8	452.2	518.7	589.0	651.7	710.6	765.7
45	357.2	362.9	376.2	418.0	486.4	562.4	628.9	691.6	748.6	805.6
50	437.0	440.8	450.3	492.1	551.0	613.7	680.2	741.0	796.1	849.3
55	484.5	488.3	513.0	568.1	628.9	682.1	735.3	790.4	849.3	900.6
60	505.4	509.2	545.3	613.7	678.3	739.1	788.5	830.3	879.7	934.8
65	499.7	507.3	562.4	636.5	704.9	765.7	817.0	860.7	902.5	959.5
70	452.2	469.3	535.8	611.8	682.1	744.8	801.8	849.3	893.0	944.3
75	359.1	389.5	457.9	535.8	606.1	676.4	735.3	788.5	849.3	912.0
80	286.9	328.7	404.7	478.8	551.0	617.5	678.3	744.8	817.0	883.5
85	239.4	288.8	359.1	433.2	503.5	575.7	640.3	712.5	784.7	849.3
90	218.5	262.2	332.5	404.7	473.1	539.6	604.2	676.4	748.6	817.0
95	220.4	262.2	326.8	395.2	463.6	528.2	589.0	659.3	729.6	794.2
100	250.8	271.7	330.6	400.9	463.6	530.1	587.1	640.3	703.0	763.8
105	294.5	296.4	353.4	414.2	475.0	533.9	587.1	632.7	678.3	735.3
110	353.4	351.5	393.3	444.6	501.6	552.9	602.3	646.0	680.2	714.4
115	342.0	338.2	357.2	404.7	452.2	501.6	545.3	583.3	615.6	655.5
120	307.8	305.9	307.8	347.7	389.5	427.5	461.7	495.9	532.0	579.5
125	267.9	264.1	254.6	281.2	313.5	343.9	372.4	408.5	452.2	495.9
130	186.2	182.4	172.9	174.8	205.2	239.4	275.5	319.2	362.9	400.9
135	22.8	30.4	39.9	53.2	96.9	146.3	191.9	233.7	269.8	302.1
140	20.9	20.9	20.9	20.9	34.2	72.2	112.1	150.1	188.1	226.1
145	19.0	19.0	20.9	19.0	19.0	36.1	66.5	100.7	134.9	167.2
150	19.0	19.0	19.0	19.0	19.0	19.0	32.3	53.2	81.7	106.4
155	19.0	19.0	19.0	19.0	19.0	17.1	17.1	22.8	34.2	51.3
160	17.1	17.1	19.0	17.1	17.1	17.1	17.1	17.1	17.1	17.1
165	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	15.2	15.2
170	17.1	17.1	17.1	17.1	17.1	17.1	17.1	15.2	15.2	15.2
175	17.1	17.1	17.1	17.1	17.1	17.1	17.1	15.2	15.2	15.2
180	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2

Vert. Angles Horizontal Angles

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8
5	505.4	503.5	505.4	505.4	505.4	505.4	505.4	503.5	499.7	503.5
10	513.0	514.9	516.8	518.7	520.6	522.5	520.6	520.6	516.8	520.6
15	528.2	539.6	547.2	562.4	573.8	581.4	587.1	589.0	587.1	589.0
20	583.3	606.1	627.0	647.9	663.1	674.5	680.2	684.0	682.1	684.0
25	647.9	678.3	704.9	731.5	748.6	761.9	771.4	777.1	773.3	775.2
30	710.6	744.8	779.0	807.5	830.3	845.5	856.9	862.6	860.7	862.6
35	769.5	809.4	847.4	877.8	904.4	921.5	936.7	944.3	942.4	942.4
40	815.1	860.7	904.4	944.3	972.8	993.7	1008.9	1016.5	1016.5	1014.6
45	858.8	912.0	961.4	999.4	1031.7	1056.4	1073.5	1081.1	1083.0	1081.1
50	902.5	955.7	1005.1	1046.9	1081.1	1107.7	1128.6	1136.2	1138.1	1136.2
55	948.1	991.8	1037.4	1088.7	1124.8	1153.3	1172.3	1183.7	1185.6	1181.8
60	984.2	1026.0	1069.7	1115.3	1157.1	1187.5	1208.4	1219.8	1223.6	1217.9

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65	1012.7	1056.4	1090.6	1136.2	1178.0	1210.3	1233.1	1244.5	1248.3	1244.5
70	1001.3	1043.1	1086.8	1143.8	1187.5	1221.7	1244.5	1257.8	1261.6	1257.8
75	970.9	1027.9	1090.6	1143.8	1187.5	1221.7	1246.4	1259.7	1263.5	1259.7
80	944.3	1012.7	1075.4	1128.6	1176.1	1210.3	1235.0	1250.2	1254.0	1250.2
85	921.5	988.0	1052.6	1105.8	1153.3	1187.5	1214.1	1229.3	1233.1	1229.3
90	891.1	961.4	1022.2	1075.4	1121.0	1155.2	1181.8	1197.0	1200.8	1195.1
95	855.0	923.4	984.2	1039.3	1084.9	1119.1	1141.9	1157.1	1160.9	1157.1
100	824.6	883.5	942.4	993.7	1037.4	1069.7	1094.4	1105.8	1109.6	1107.7
105	790.4	834.1	887.3	936.7	978.5	1010.8	1035.5	1045.0	1048.8	1046.9
110	756.2	796.1	832.2	872.1	913.9	944.3	967.1	976.6	980.4	978.5
115	703.0	739.1	771.4	801.8	839.8	868.3	889.2	900.6	902.5	900.6
120	623.2	661.2	691.6	722.0	756.2	784.7	805.6	815.1	818.9	815.1
125	535.8	570.0	604.2	638.4	670.7	697.3	714.4	725.8	729.6	725.8
130	437.0	480.7	518.7	552.9	581.4	602.3	621.3	630.8	634.6	630.8
135	338.2	376.2	414.2	452.2	488.3	509.2	522.5	532.0	535.8	532.0
140	262.2	298.3	330.6	357.2	378.1	397.1	410.4	418.0	425.6	419.9
145	195.7	224.2	250.8	273.6	290.7	305.9	315.4	323.0	328.7	323.0
150	131.1	153.9	174.8	191.9	207.1	218.5	226.1	231.8	235.6	233.7
155	70.3	89.3	104.5	117.8	127.3	136.8	142.5	148.2	148.2	148.2
160	24.7	30.4	39.9	47.5	55.1	60.8	66.5	68.4	68.4	68.4
165	15.2	15.2	13.3	13.3	13.3	13.3	13.3	15.2	15.2	13.3
170	15.2	15.2	15.2	13.3	13.3	13.3	13.3	15.2	15.2	15.2
175	15.2	15.2	15.2	15.2	13.3	13.3	13.3	13.3	13.3	13.3
180	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8	497.8
5	503.5	505.4	505.4	505.4	505.4	505.4	505.4	505.4	503.5	501.6
10	520.6	522.5	520.6	518.7	516.8	514.9	513.0	511.1	507.3	503.5
15	587.1	581.4	573.8	562.4	547.2	535.8	524.4	518.7	511.1	503.5
20	682.1	674.5	663.1	647.9	627.0	606.1	583.3	558.6	528.2	505.4
25	771.4	761.9	748.6	729.6	704.9	678.3	649.8	615.6	581.4	539.6
30	856.9	845.5	828.4	807.5	779.0	746.7	712.5	670.7	627.0	579.5
35	936.7	923.4	904.4	877.8	843.6	805.6	765.7	723.9	672.6	619.4
40	1008.9	993.7	972.8	942.4	908.2	862.6	817.0	763.8	708.7	649.8
45	1071.6	1054.5	1031.7	1001.3	959.5	912.0	860.7	807.5	748.6	693.5
50	1126.7	1107.7	1081.1	1045.0	1001.3	951.9	898.7	849.3	798.0	741.0
55	1170.4	1151.4	1122.9	1086.8	1039.3	993.7	950.0	894.9	839.8	780.9
60	1206.5	1185.6	1155.2	1117.2	1064.0	1024.1	980.4	929.1	870.2	820.8
65	1231.2	1208.4	1176.1	1132.4	1088.7	1048.8	1008.9	950.0	894.9	849.3
70	1242.6	1217.9	1185.6	1141.9	1090.6	1039.3	991.8	932.9	875.9	824.6
75	1244.5	1219.8	1185.6	1141.9	1083.0	1022.2	963.3	904.4	839.8	773.3
80	1235.0	1208.4	1174.2	1126.7	1073.5	1008.9	944.3	874.0	805.6	733.4
85	1214.1	1185.6	1149.5	1105.8	1050.7	989.9	919.6	841.7	771.4	697.3
90	1181.8	1155.2	1121.0	1073.5	1016.5	955.7	885.4	813.2	744.8	670.7
95	1141.9	1119.1	1084.9	1041.2	989.9	923.4	858.8	786.6	720.1	647.9
100	1094.4	1069.7	1037.4	991.8	940.5	879.7	817.0	758.1	691.6	625.1
105	1033.6	1010.8	978.5	934.8	885.4	830.3	782.8	725.8	665.0	615.6
110	965.2	942.4	912.0	874.0	828.4	790.4	750.5	699.2	657.4	617.5
115	889.2	866.4	839.8	798.0	761.9	725.8	685.9	638.4	590.9	549.1
120	803.7	782.8	758.1	720.1	685.9	649.8	611.8	562.4	511.1	465.5
125	714.4	697.3	670.7	638.4	598.5	562.4	520.6	478.8	433.2	380.0
130	619.4	604.2	581.4	551.0	514.9	471.2	421.8	381.9	343.9	302.1
135	522.5	507.3	484.5	448.4	414.2	376.2	332.5	292.6	254.6	218.5

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140	410.4	397.1	376.2	353.4	326.8	296.4	262.2	226.1	190.0	148.2
145	315.4	305.9	290.7	271.7	248.9	224.2	195.7	165.3	134.9	98.8
150	226.1	218.5	205.2	191.9	174.8	155.8	131.1	106.4	81.7	55.1
155	144.4	136.8	127.3	115.9	102.6	85.5	68.4	49.4	32.3	20.9
160	66.5	60.8	53.2	47.5	38.0	28.5	20.9	15.2	17.1	17.1
165	13.3	13.3	13.3	13.3	15.2	15.2	15.2	15.2	17.1	17.1
170	13.3	13.3	13.3	13.3	15.2	15.2	15.2	15.2	17.1	17.1
175	13.3	13.3	15.2	15.2	15.2	15.2	15.2	15.2	17.1	17.1
180	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2

Vert. Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	497.8	497.8	497.8	497.8	497.8	497.8	497.8
5	497.8	495.9	495.9	495.9	497.8	497.8	497.8
10	497.8	492.1	490.2	490.2	490.2	490.2	488.3
15	495.9	488.3	482.6	480.7	480.7	478.8	476.9
20	494.0	482.6	475.0	469.3	465.5	463.6	461.7
25	499.7	475.0	463.6	454.1	448.4	442.7	440.8
30	530.1	478.8	448.4	437.0	427.5	419.9	418.0
35	564.3	499.7	440.8	416.1	404.7	395.2	391.4
40	587.1	522.5	452.2	391.4	376.2	366.7	361.0
45	632.7	560.5	490.2	421.8	385.7	372.4	366.7
50	680.2	615.6	549.1	490.2	438.9	435.1	431.3
55	725.8	674.5	615.6	551.0	486.4	469.3	467.4
60	773.3	718.2	655.5	587.1	518.7	476.9	475.0
65	799.9	742.9	676.4	606.1	528.2	469.3	467.4
70	771.4	712.5	644.1	571.9	492.1	418.0	410.4
75	714.4	646.0	577.6	503.5	427.5	349.6	324.9
80	665.0	596.6	522.5	450.3	370.5	298.3	254.6
85	621.3	551.0	480.7	408.5	330.6	260.3	212.8
90	590.9	520.6	450.3	380.0	307.8	241.3	186.2
95	575.7	509.2	438.9	368.6	294.5	229.9	191.9
100	560.5	501.6	437.0	368.6	302.1	239.4	218.5
105	564.3	507.3	444.6	380.0	317.3	264.1	256.5
110	568.1	514.9	459.8	402.8	349.6	309.7	307.8
115	505.4	457.9	408.5	361.0	311.6	286.9	290.7
120	425.6	385.7	345.8	302.1	260.3	254.6	258.4
125	338.2	304.0	269.8	235.6	209.0	214.7	216.6
130	254.6	209.0	169.1	134.9	127.3	136.8	138.7
135	176.7	129.2	76.0	30.4	22.8	22.8	22.8
140	108.3	68.4	36.1	20.9	20.9	20.9	20.9
145	66.5	36.1	20.9	20.9	20.9	20.9	20.9
150	32.3	19.0	19.0	19.0	20.9	19.0	19.0
155	17.1	19.0	19.0	19.0	19.0	19.0	19.0
160	17.1	17.1	19.0	19.0	19.0	19.0	19.0
165	17.1	17.1	17.1	17.1	17.1	17.1	19.0
170	17.1	17.1	17.1	17.1	17.1	17.1	17.1
175	17.1	17.1	17.1	17.1	17.1	17.1	17.1
180	15.2	15.2	15.2	15.2	15.2	15.2	15.2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	199.40	N.A.	2.50
0-30	481.96	N.A.	6.00
0-40	915.11	N.A.	11.40
0-60	2287.73	N.A.	28.50
0-80	4124.67	N.A.	51.40
0-90	5011.86	N.A.	62.50
10-90	4963.83	N.A.	61.90
20-40	715.71	N.A.	8.90
20-50	1312.08	N.A.	16.40
40-70	2281.57	N.A.	28.40
60-80	1836.94	N.A.	22.90
70-80	927.99	N.A.	11.60
80-90	887.19	N.A.	11.10
90-110	1579.52	N.A.	19.70
90-120	2204.37	N.A.	27.50
90-130	2634.01	N.A.	32.80
90-150	2968.87	N.A.	37.00
90-180	3009.76	N.A.	37.50
110-180	1430.25	N.A.	17.80
0-180	8021.62	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	48.02
10-20	151.37
20-30	282.56
30-40	433.15
40-50	596.36
50-60	776.26
60-70	908.95
70-80	927.99
80-90	887.19
90-100	827.40
100-110	752.11
110-120	624.85
120-130	429.64
130-140	230.72
140-150	104.14
150-160	33.59
160-170	5.83
170-180	1.48

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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	95	88	82	76	88	82	76	71	71	66	62	60	57	54	51	48	46	41
2	84	74	65	58	78	68	61	54	59	52	47	50	45	40	41	37	34	30
3	75	63	53	45	69	58	49	42	50	43	37	42	36	32	35	30	26	22
4	68	54	44	37	63	50	41	34	43	36	30	36	30	25	30	25	21	17
5	62	48	38	30	57	44	35	28	38	30	25	32	26	21	26	21	17	14
6	57	42	33	26	52	39	30	24	34	26	21	28	22	18	23	18	15	12
7	52	38	28	22	48	35	27	20	30	23	18	25	20	15	21	16	12	10
8	48	34	25	19	44	32	23	18	27	20	15	23	17	13	19	14	11	8
9	45	31	22	17	41	29	21	16	25	18	13	21	15	11	18	13	9	7
10	42	28	20	15	39	26	19	14	23	16	12	19	14	10	16	12	8	6

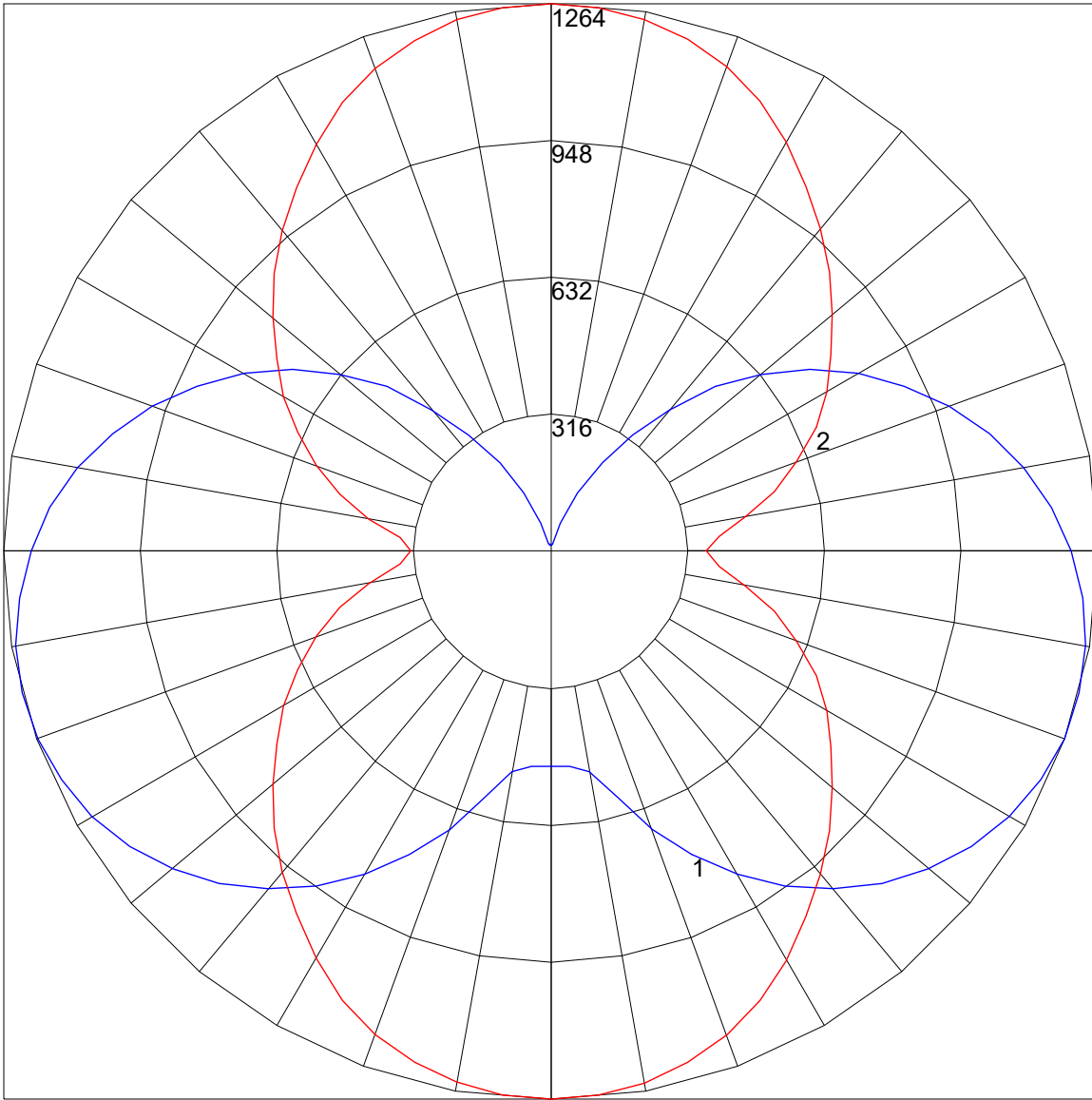
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_W6_HO_358_WH-AL.IES

UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	14.7	15.8	15.5	16.7	17.8	21.0	22.2	21.8	23.1	24.1
	3H	16.9	18.0	17.7	18.9	20.0	24.8	25.9	25.7	26.8	27.9
	4H	17.7	18.7	18.5	19.6	20.7	26.8	27.8	27.6	28.7	29.8
	6H	18.3	19.2	19.1	20.1	21.2	28.9	29.8	29.7	30.7	31.8
	8H	18.5	19.4	19.3	20.3	21.4	29.9	30.9	30.8	31.8	32.9
	12H	18.7	19.6	19.5	20.5	21.6	31.1	32.0	32.0	32.9	34.0
4H	2H	16.9	17.9	17.7	18.8	19.9	21.3	22.3	22.1	23.2	24.3
	3H	19.3	20.2	20.1	21.1	22.2	25.3	26.2	26.1	27.1	28.2
	4H	20.2	21.0	21.1	21.9	23.1	27.3	28.2	28.2	29.1	30.2
	6H	20.9	21.6	21.8	22.6	23.7	29.6	30.3	30.5	31.3	32.4
	8H	21.2	21.9	22.0	22.8	24.0	30.8	31.5	31.6	32.4	33.6
	12H	21.4	22.0	22.3	23.0	24.2	32.1	32.7	33.0	33.7	34.8
8H	4H	21.7	22.4	22.6	23.4	24.5	27.5	28.2	28.4	29.1	30.3
	6H	22.7	23.3	23.6	24.3	25.4	29.9	30.5	30.8	31.4	32.6
	8H	23.1	23.7	24.0	24.6	25.8	31.1	31.7	32.1	32.7	33.8
	12H	23.5	24.0	24.4	24.9	26.1	32.6	33.1	33.5	34.0	35.3
12H	4H	22.2	22.9	23.1	23.8	25.0	27.5	28.1	28.4	29.1	30.2
	6H	23.4	23.9	24.3	24.9	26.1	29.9	30.4	30.8	31.4	32.6
	8H	23.9	24.4	24.8	25.4	26.6	31.2	31.7	32.1	32.7	33.9

Maximum UGR = 35.3

POLAR GRAPH



Maximum Candela = 1263.5 Located At Horizontal Angle = 90, Vertical Angle = 75
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)