

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_W6_SO_359_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-48-35-90-W6_HO
 [LUMINAIRE] Wedge, Iso, diffuse, 48", 3500K, 90 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	6713
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	170
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	8228	8202	9068
55	13421	9042	9548
65	18044	9796	9976
75	19470	9773	10332
85	27728	9892	10655

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	416.58	416.58	416.58	416.58	416.58	416.58	416.58	416.58	416.58	416.58
5	416.58	416.58	416.58	414.99	413.40	414.99	416.58	419.76	421.35	421.35
10	408.63	410.22	410.22	410.22	411.81	413.40	416.58	421.35	424.53	427.71
15	400.68	400.68	402.27	403.86	405.45	408.63	416.58	422.94	429.30	434.07
20	386.37	387.96	391.14	392.73	397.50	403.86	413.40	427.71	445.20	465.87
25	370.47	372.06	376.83	381.60	387.96	399.09	424.53	451.56	486.54	518.34
30	351.39	352.98	359.34	365.70	378.42	407.04	446.79	486.54	526.29	562.86
35	327.54	330.72	338.67	349.80	376.83	419.76	469.05	515.16	559.68	604.20
40	303.69	306.87	318.00	337.08	378.42	434.07	492.90	545.37	594.66	640.77
45	298.92	303.69	314.82	349.80	407.04	470.64	526.29	578.76	626.46	674.16
50	365.70	368.88	376.83	411.81	461.10	513.57	569.22	620.10	666.21	710.73
55	405.45	408.63	429.30	475.41	526.29	570.81	615.33	661.44	710.73	753.66
60	422.94	426.12	456.33	513.57	567.63	618.51	659.85	694.83	736.17	782.28
65	418.17	424.53	470.64	532.65	589.89	640.77	683.70	720.27	755.25	802.95
70	378.42	392.73	448.38	511.98	570.81	623.28	670.98	710.73	747.30	790.23
75	300.51	325.95	383.19	448.38	507.21	566.04	615.33	659.85	710.73	763.20
80	240.09	275.07	338.67	400.68	461.10	516.75	567.63	623.28	683.70	739.35
85	200.34	241.68	300.51	362.52	421.35	481.77	535.83	596.25	656.67	710.73
90	182.85	219.42	278.25	338.67	395.91	451.56	505.62	566.04	626.46	683.70
95	184.44	219.42	273.48	330.72	387.96	442.02	492.90	551.73	610.56	664.62
100	209.88	227.37	276.66	335.49	387.96	443.61	491.31	535.83	588.30	639.18
105	246.45	248.04	295.74	346.62	397.50	446.79	491.31	529.47	567.63	615.33
110	295.74	294.15	329.13	372.06	419.76	462.69	504.03	540.60	569.22	597.84
115	286.20	283.02	298.92	338.67	378.42	419.76	456.33	488.13	515.16	548.55
120	257.58	255.99	257.58	290.97	325.95	357.75	386.37	414.99	445.20	484.95
125	224.19	221.01	213.06	235.32	262.35	287.79	311.64	341.85	378.42	414.99
130	155.82	152.64	144.69	146.28	171.72	200.34	230.55	267.12	303.69	335.49
135	19.08	25.44	33.39	44.52	81.09	122.43	160.59	195.57	225.78	252.81
140	17.49	17.49	17.49	17.49	28.62	60.42	93.81	125.61	157.41	189.21
145	15.90	15.90	17.49	15.90	15.90	30.21	55.65	84.27	112.89	139.92
150	15.90	15.90	15.90	15.90	15.90	15.90	27.03	44.52	68.37	89.04
155	15.90	15.90	15.90	15.90	15.90	14.31	14.31	19.08	28.62	42.93
160	14.31	14.31	15.90	14.31	14.31	14.31	14.31	14.31	14.31	14.31
165	14.31	14.31	14.31	14.31	14.31	14.31	14.31	14.31	12.72	12.72
170	14.31	14.31	14.31	14.31	14.31	14.31	14.31	12.72	12.72	12.72
175	14.31	14.31	14.31	14.31	14.31	14.31	14.31	12.72	12.72	12.72
180	12.72	12.72	12.72	12.72	12.72	12.72	12.72	12.72	12.72	12.72

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	416.58	416.58	416.58	416.58	416.58	416.58	416.58	416.58	416.58	416.58
5	422.94	421.35	422.94	422.94	422.94	422.94	422.94	421.35	418.17	421.35
10	429.30	430.89	432.48	434.07	435.66	437.25	435.66	435.66	432.48	435.66
15	442.02	451.56	457.92	470.64	480.18	486.54	491.31	492.90	491.31	492.90
20	488.13	507.21	524.70	542.19	554.91	564.45	569.22	572.40	570.81	572.40
25	542.19	567.63	589.89	612.15	626.46	637.59	645.54	650.31	647.13	648.72
30	594.66	623.28	651.90	675.75	694.83	707.55	717.09	721.86	720.27	721.86
35	643.95	677.34	709.14	734.58	756.84	771.15	783.87	790.23	788.64	788.64
40	682.11	720.27	756.84	790.23	814.08	831.57	844.29	850.65	850.65	849.06
45	718.68	763.20	804.54	836.34	863.37	884.04	898.35	904.71	906.30	904.71
50	755.25	799.77	841.11	876.09	904.71	926.97	944.46	950.82	952.41	950.82
55	793.41	829.98	868.14	911.07	941.28	965.13	981.03	990.57	992.16	988.98
60	823.62	858.60	895.17	933.33	968.31	993.75	1011.24	1020.78	1023.96	1019.19

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_W6_SO_359_WH-AL.IES

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65	847.47	884.04	912.66	950.82	985.80	1012.83	1031.91	1041.45	1044.63	1041.45
70	837.93	872.91	909.48	957.18	993.75	1022.37	1041.45	1052.58	1055.76	1052.58
75	812.49	860.19	912.66	957.18	993.75	1022.37	1043.04	1054.17	1057.35	1054.17
80	790.23	847.47	899.94	944.46	984.21	1012.83	1033.50	1046.22	1049.40	1046.22
85	771.15	826.80	880.86	925.38	965.13	993.75	1016.01	1028.73	1031.91	1028.73
90	745.71	804.54	855.42	899.94	938.10	966.72	988.98	1001.70	1004.88	1000.11
95	715.50	772.74	823.62	869.73	907.89	936.51	955.59	968.31	971.49	968.31
100	690.06	739.35	788.64	831.57	868.14	895.17	915.84	925.38	928.56	926.97
105	661.44	698.01	742.53	783.87	818.85	845.88	866.55	874.50	877.68	876.09
110	632.82	666.21	696.42	729.81	764.79	790.23	809.31	817.26	820.44	818.85
115	588.30	618.51	645.54	670.98	702.78	726.63	744.12	753.66	755.25	753.66
120	521.52	553.32	578.76	604.20	632.82	656.67	674.16	682.11	685.29	682.11
125	448.38	477.00	505.62	534.24	561.27	583.53	597.84	607.38	610.56	607.38
130	365.70	402.27	434.07	462.69	486.54	504.03	519.93	527.88	531.06	527.88
135	283.02	314.82	346.62	378.42	408.63	426.12	437.25	445.20	448.38	445.20
140	219.42	249.63	276.66	298.92	316.41	332.31	343.44	349.80	356.16	351.39
145	163.77	187.62	209.88	228.96	243.27	255.99	263.94	270.30	275.07	270.30
150	109.71	128.79	146.28	160.59	173.31	182.85	189.21	193.98	197.16	195.57
155	58.83	74.73	87.45	98.58	106.53	114.48	119.25	124.02	124.02	124.02
160	20.67	25.44	33.39	39.75	46.11	50.88	55.65	57.24	57.24	57.24
165	12.72	12.72	11.13	11.13	11.13	11.13	11.13	12.72	12.72	11.13
170	12.72	12.72	12.72	11.13	11.13	11.13	11.13	12.72	12.72	12.72
175	12.72	12.72	12.72	12.72	11.13	11.13	11.13	11.13	11.13	11.13
180	12.72	12.72	12.72	12.72	12.72	12.72	12.72	12.72	12.72	12.72

Vert. Angles **Horizontal Angles**

	100	105	110	115	120	125	130	135	140	145
0	416.58	416.58	416.58	416.58	416.58	416.58	416.58	416.58	416.58	416.58
5	421.35	422.94	422.94	422.94	422.94	422.94	422.94	422.94	421.35	419.76
10	435.66	437.25	435.66	434.07	432.48	430.89	429.30	427.71	424.53	421.35
15	491.31	486.54	480.18	470.64	457.92	448.38	438.84	434.07	427.71	421.35
20	570.81	564.45	554.91	542.19	524.70	507.21	488.13	467.46	442.02	422.94
25	645.54	637.59	626.46	610.56	589.89	567.63	543.78	515.16	486.54	451.56
30	717.09	707.55	693.24	675.75	651.90	624.87	596.25	561.27	524.70	484.95
35	783.87	772.74	756.84	734.58	705.96	674.16	640.77	605.79	562.86	518.34
40	844.29	831.57	814.08	788.64	760.02	721.86	683.70	639.18	593.07	543.78
45	896.76	882.45	863.37	837.93	802.95	763.20	720.27	675.75	626.46	580.35
50	942.87	926.97	904.71	874.50	837.93	796.59	752.07	710.73	667.80	620.10
55	979.44	963.54	939.69	909.48	869.73	831.57	795.00	748.89	702.78	653.49
60	1009.65	992.16	966.72	934.92	890.40	857.01	820.44	777.51	728.22	686.88
65	1030.32	1011.24	984.21	947.64	911.07	877.68	844.29	795.00	748.89	710.73
70	1039.86	1019.19	992.16	955.59	912.66	869.73	829.98	780.69	732.99	690.06
75	1041.45	1020.78	992.16	955.59	906.30	855.42	806.13	756.84	702.78	647.13
80	1033.50	1011.24	982.62	942.87	898.35	844.29	790.23	731.40	674.16	613.74
85	1016.01	992.16	961.95	925.38	879.27	828.39	769.56	704.37	645.54	583.53
90	988.98	966.72	938.10	898.35	850.65	799.77	740.94	680.52	623.28	561.27
95	955.59	936.51	907.89	871.32	828.39	772.74	718.68	658.26	602.61	542.19
100	915.84	895.17	868.14	829.98	787.05	736.17	683.70	634.41	578.76	523.11
105	864.96	845.88	818.85	782.28	740.94	694.83	655.08	607.38	556.50	515.16
110	807.72	788.64	763.20	731.40	693.24	661.44	628.05	585.12	550.14	516.75
115	744.12	725.04	702.78	677.80	637.59	607.38	573.99	534.24	494.49	459.51
120	672.57	655.08	634.41	602.61	573.99	543.78	511.98	470.64	427.71	389.55
125	597.84	583.53	561.27	534.24	500.85	470.64	435.66	400.68	362.52	318.00
130	518.34	505.62	486.54	461.10	430.89	394.32	352.98	319.59	287.79	252.81
135	437.25	424.53	405.45	375.24	346.62	314.82	278.25	244.86	213.06	182.85

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_W6_SO_359_WH-AL.IES

CANDELA TABULATION - (Cont.)

140	343.44	332.31	314.82	295.74	273.48	248.04	219.42	189.21	159.00	124.02
145	263.94	255.99	243.27	227.37	208.29	187.62	163.77	138.33	112.89	82.68
150	189.21	182.85	171.72	160.59	146.28	130.38	109.71	89.04	68.37	46.11
155	120.84	114.48	106.53	96.99	85.86	71.55	57.24	41.34	27.03	17.49
160	55.65	50.88	44.52	39.75	31.80	23.85	17.49	12.72	14.31	14.31
165	11.13	11.13	11.13	11.13	11.13	12.72	12.72	12.72	12.72	14.31
170	11.13	11.13	11.13	11.13	11.13	12.72	12.72	12.72	12.72	14.31
175	11.13	11.13	12.72	12.72	12.72	12.72	12.72	12.72	12.72	14.31
180	12.72	12.72	12.72	12.72	12.72	12.72	12.72	12.72	12.72	12.72

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	416.58	416.58	416.58	416.58	416.58	416.58	416.58
5	416.58	414.99	414.99	414.99	416.58	416.58	416.58
10	416.58	411.81	410.22	410.22	410.22	410.22	408.63
15	414.99	408.63	403.86	402.27	402.27	400.68	399.09
20	413.40	403.86	397.50	392.73	389.55	387.96	386.37
25	418.17	397.50	387.96	380.01	375.24	370.47	368.88
30	443.61	400.68	375.24	365.70	357.75	351.39	349.80
35	472.23	418.17	368.88	348.21	338.67	330.72	327.54
40	491.31	437.25	378.42	327.54	314.82	306.87	302.10
45	529.47	469.05	410.22	352.98	322.77	311.64	306.87
50	569.22	515.16	459.51	410.22	367.29	364.11	360.93
55	607.38	564.45	515.16	461.10	407.04	392.73	391.14
60	647.13	601.02	548.55	491.31	434.07	399.09	397.50
65	669.39	621.69	566.04	507.21	442.02	392.73	391.14
70	645.54	596.25	539.01	478.59	411.81	349.80	343.44
75	597.84	540.60	483.36	421.35	357.75	292.56	271.89
80	556.50	499.26	437.25	376.83	310.05	249.63	213.06
85	519.93	461.10	402.27	341.85	276.66	217.83	178.08
90	494.49	435.66	376.83	318.00	257.58	201.93	155.82
95	481.77	426.12	367.29	308.46	246.45	192.39	160.59
100	469.05	419.76	365.70	308.46	252.81	200.34	182.85
105	472.23	424.53	372.06	318.00	265.53	221.01	214.65
110	475.41	430.89	384.78	337.08	292.56	259.17	257.58
115	422.94	383.19	341.85	302.10	260.76	240.09	243.27
120	356.16	322.77	289.38	252.81	217.83	213.06	216.24
125	283.02	254.40	225.78	197.16	174.90	179.67	181.26
130	213.06	174.90	141.51	112.89	106.53	114.48	116.07
135	147.87	108.12	63.60	25.44	19.08	19.08	19.08
140	90.63	57.24	30.21	17.49	17.49	17.49	17.49
145	55.65	30.21	17.49	17.49	17.49	17.49	17.49
150	27.03	15.90	15.90	15.90	17.49	15.90	15.90
155	14.31	15.90	15.90	15.90	15.90	15.90	15.90
160	14.31	14.31	15.90	15.90	15.90	15.90	15.90
165	14.31	14.31	14.31	14.31	14.31	14.31	15.90
170	14.31	14.31	14.31	14.31	14.31	14.31	14.31
175	14.31	14.31	14.31	14.31	14.31	14.31	14.31
180	12.72	12.72	12.72	12.72	12.72	12.72	12.72

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	166.86	N.A.	2.50
0-30	403.32	N.A.	6.00
0-40	765.80	N.A.	11.40
0-60	1914.47	N.A.	28.50
0-80	3451.7	N.A.	51.40
0-90	4194.13	N.A.	62.50
10-90	4153.95	N.A.	61.90
20-40	598.94	N.A.	8.90
20-50	1098.00	N.A.	16.40
40-70	1909.32	N.A.	28.40
60-80	1537.23	N.A.	22.90
70-80	776.58	N.A.	11.60
80-90	742.44	N.A.	11.10
90-110	1321.81	N.A.	19.70
90-120	1844.71	N.A.	27.50
90-130	2204.25	N.A.	32.80
90-150	2484.47	N.A.	37.00
90-180	2518.7	N.A.	37.50
110-180	1196.89	N.A.	17.80
0-180	6712.83	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	40.19
10-20	126.68
20-30	236.46
30-40	362.48
40-50	499.06
50-60	649.60
60-70	760.65
70-80	776.58
80-90	742.44
90-100	692.41
100-110	629.40
110-120	522.90
120-130	359.54
130-140	193.07
140-150	87.15
150-160	28.11
160-170	4.88
170-180	1.24

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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

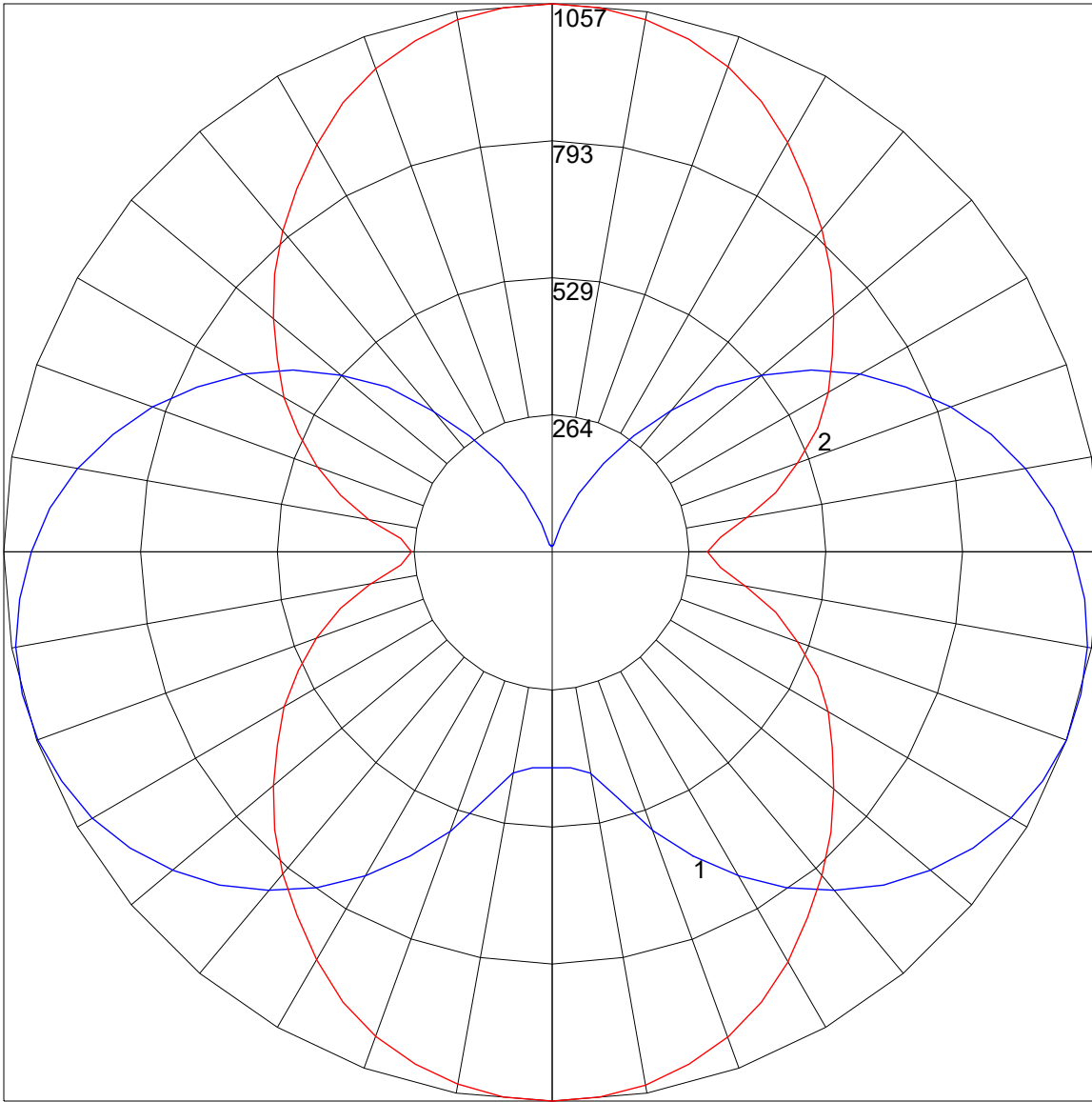
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_W6_SO_359_WH-AL.IES

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	14.1	15.2	14.9	16.1	17.2	20.4	21.6	21.2	22.5	23.5
	3H	16.3	17.4	17.1	18.3	19.4	24.2	25.3	25.1	26.2	27.3
	4H	17.1	18.1	17.9	19.0	20.1	26.2	27.2	27.0	28.1	29.2
	6H	17.7	18.6	18.5	19.5	20.6	28.3	29.2	29.1	30.1	31.2
	8H	17.9	18.8	18.7	19.7	20.8	29.3	30.3	30.2	31.2	32.3
	12H	18.1	19.0	18.9	19.9	21.0	30.5	31.4	31.4	32.3	33.4
4H	2H	16.3	17.3	17.1	18.2	19.3	20.7	21.7	21.5	22.6	23.7
	3H	18.7	19.6	19.5	20.5	21.6	24.7	25.6	25.5	26.5	27.6
	4H	19.6	20.4	20.5	21.3	22.5	26.7	27.6	27.6	28.5	29.6
	6H	20.3	21.0	21.2	22.0	23.1	29.0	29.7	29.9	30.7	31.8
	8H	20.6	21.3	21.4	22.2	23.4	30.2	30.9	31.1	31.8	33.0
	12H	20.8	21.4	21.7	22.4	23.6	31.5	32.1	32.4	33.1	34.2
8H	4H	21.1	21.8	22.0	22.8	23.9	26.9	27.6	27.8	28.5	29.7
	6H	22.1	22.7	23.0	23.7	24.8	29.3	29.9	30.2	30.8	32.0
	8H	22.5	23.1	23.4	24.0	25.2	30.5	31.1	31.5	32.1	33.2
	12H	22.9	23.4	23.8	24.3	25.5	32.0	32.5	32.9	33.4	34.7
12H	4H	21.6	22.3	22.5	23.2	24.4	26.9	27.5	27.8	28.5	29.6
	6H	22.8	23.3	23.7	24.3	25.5	29.3	29.8	30.2	30.8	32.0
	8H	23.3	23.8	24.2	24.8	26.0	30.6	31.1	31.5	32.1	33.3

Maximum UGR = 34.7

POLAR GRAPH



Maximum Candela = 1057.35 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.)