

IES REPORT

Wedge | Peak | 707
 Peak | Diffuse, White | 80 CRI | Low Output

707-WE-SL-4-48-XX-XX-XX-XX-X-X-Z-LO-XX-W6-X-WH-X

Reporting by Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	135	139	142	142
Total Lumens, 4' rail length (1219mm)	2005	2069	2111	2111
Lumens per foot (305mm)	501	517	528	528
Input Power (W), 4' rail length (1219mm)	14.9	14.9	14.9	14.9
Watts per foot (305mm)	3.8	3.8	3.8	3.8
CRI	83	83	83	83

Due to the large number of options in Vode's product offering, most Vode IES reports are factored reports prepared from source reports. Source reports are the IES test reports prepared for Vode by an NVLAP accredited photometric test laboratory. Factored reports are based on data from the Vode source reports.

If the data above is in black, it is directly from a Vode source report. If it is in grey, it is factored from Vode source reports. Reference details on Vode source reports can be found on the IES File Finder page on vode.com.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_W6_LO_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_LO
[LUMINAIRE] Wedge, Iso, diffuse, 48", 3500K, 80 CRI, low output
[MORE] Wedge, Low Output, White
[TEST PROCEDURE] IESNA:LM-79-19

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2111
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	14.9
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	2587	2579	2852
55	4220	2843	3003
65	5674	3081	3137
75	6123	3073	3249
85	8720	3111	3351

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	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0
5	131.0	131.0	131.0	130.5	130.0	130.5	131.0	132.0	132.5	132.5
10	128.5	129.0	129.0	129.0	129.5	130.0	131.0	132.5	133.5	134.5
15	126.0	126.0	126.5	127.0	127.5	128.5	131.0	133.0	135.0	136.5
20	121.5	122.0	123.0	123.5	125.0	127.0	130.0	134.5	140.0	146.5
25	116.5	117.0	118.5	120.0	122.0	125.5	133.5	142.0	153.0	163.0
30	110.5	111.0	113.0	115.0	119.0	128.0	140.5	153.0	165.5	177.0
35	103.0	104.0	106.5	110.0	118.5	132.0	147.5	162.0	176.0	190.0
40	95.5	96.5	100.0	106.0	119.0	136.5	155.0	171.5	187.0	201.5
45	94.0	95.5	99.0	110.0	128.0	148.0	165.5	182.0	197.0	212.0
50	115.0	116.0	118.5	129.5	145.0	161.5	179.0	195.0	209.5	223.5
55	127.5	128.5	135.0	149.5	165.5	179.5	193.5	208.0	223.5	237.0
60	133.0	134.0	143.5	161.5	178.5	194.5	207.5	218.5	231.5	246.0
65	131.5	133.5	148.0	167.5	185.5	201.5	215.0	226.5	237.5	252.5
70	119.0	123.5	141.0	161.0	179.5	196.0	211.0	223.5	235.0	248.5
75	94.5	102.5	120.5	141.0	159.5	178.0	193.5	207.5	223.5	240.0
80	75.5	86.5	106.5	126.0	145.0	162.5	178.5	196.0	215.0	232.5
85	63.0	76.0	94.5	114.0	132.5	151.5	168.5	187.5	206.5	223.5
90	57.5	69.0	87.5	106.5	124.5	142.0	159.0	178.0	197.0	215.0
95	58.0	69.0	86.0	104.0	122.0	139.0	155.0	173.5	192.0	209.0
100	66.0	71.5	87.0	105.5	122.0	139.5	154.5	168.5	185.0	201.0
105	77.5	78.0	93.0	109.0	125.0	140.5	154.5	166.5	178.5	193.5
110	93.0	92.5	103.5	117.0	132.0	145.5	158.5	170.0	179.0	188.0
115	90.0	89.0	94.0	106.5	119.0	132.0	143.5	153.5	162.0	172.5
120	81.0	80.5	81.0	91.5	102.5	112.5	121.5	130.5	140.0	152.5
125	70.5	69.5	67.0	74.0	82.5	90.5	98.0	107.5	119.0	130.5
130	49.0	48.0	45.5	46.0	54.0	63.0	72.5	84.0	95.5	105.5
135	6.0	8.0	10.5	14.0	25.5	38.5	50.5	61.5	71.0	79.5
140	5.5	5.5	5.5	5.5	9.0	19.0	29.5	39.5	49.5	59.5
145	5.0	5.0	5.5	5.0	5.0	9.5	17.5	26.5	35.5	44.0
150	5.0	5.0	5.0	5.0	5.0	5.0	8.5	14.0	21.5	28.0
155	5.0	5.0	5.0	5.0	5.0	4.5	4.5	6.0	9.0	13.5
160	4.5	4.5	5.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5
165	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0
170	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0
175	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0
180	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

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	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0
5	133.0	132.5	133.0	133.0	133.0	133.0	133.0	132.5	131.5	132.5
10	135.0	135.5	136.0	136.5	137.0	137.5	137.0	137.0	136.0	137.0
15	139.0	142.0	144.0	148.0	151.0	153.0	154.5	155.0	154.5	155.0
20	153.5	159.5	165.0	170.5	174.5	177.5	179.0	180.0	179.5	180.0
25	170.5	178.5	185.5	192.5	197.0	200.5	203.0	204.5	203.5	204.0
30	187.0	196.0	205.0	212.5	218.5	222.5	225.5	227.0	226.5	227.0
35	202.5	213.0	223.0	231.0	238.0	242.5	246.5	248.5	248.0	248.0
40	214.5	226.5	238.0	248.5	256.0	261.5	265.5	267.5	267.5	267.0
45	226.0	240.0	253.0	263.0	271.5	278.0	282.5	284.5	285.0	284.5
50	237.5	251.5	264.5	275.5	284.5	291.5	297.0	299.0	299.5	299.0
55	249.5	261.0	273.0	286.5	296.0	303.5	308.5	311.5	312.0	311.0
60	259.0	270.0	281.5	293.5	304.5	312.5	318.0	321.0	322.0	320.5

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CANDELA TABULATION - (Cont.)

65	266.5	278.0	287.0	299.0	310.0	318.5	324.5	327.5	328.5	327.5
70	263.5	274.5	286.0	301.0	312.5	321.5	327.5	331.0	332.0	331.0
75	255.5	270.5	287.0	301.0	312.5	321.5	328.0	331.5	332.5	331.5
80	248.5	266.5	283.0	297.0	309.5	318.5	325.0	329.0	330.0	329.0
85	242.5	260.0	277.0	291.0	303.5	312.5	319.5	323.5	324.5	323.5
90	234.5	253.0	269.0	283.0	295.0	304.0	311.0	315.0	316.0	314.5
95	225.0	243.0	259.0	273.5	285.5	294.5	300.5	304.5	305.5	304.5
100	217.0	232.5	248.0	261.5	273.0	281.5	288.0	291.0	292.0	291.5
105	208.0	219.5	233.5	246.5	257.5	266.0	272.5	275.0	276.0	275.5
110	199.0	209.5	219.0	229.5	240.5	248.5	254.5	257.0	258.0	257.5
115	185.0	194.5	203.0	211.0	221.0	228.5	234.0	237.0	237.5	237.0
120	164.0	174.0	182.0	190.0	199.0	206.5	212.0	214.5	215.5	214.5
125	141.0	150.0	159.0	168.0	176.5	183.5	188.0	191.0	192.0	191.0
130	115.0	126.5	136.5	145.5	153.0	158.5	163.5	166.0	167.0	166.0
135	89.0	99.0	109.0	119.0	128.5	134.0	137.5	140.0	141.0	140.0
140	69.0	78.5	87.0	94.0	99.5	104.5	108.0	110.0	112.0	110.5
145	51.5	59.0	66.0	72.0	76.5	80.5	83.0	85.0	86.5	85.0
150	34.5	40.5	46.0	50.5	54.5	57.5	59.5	61.0	62.0	61.5
155	18.5	23.5	27.5	31.0	33.5	36.0	37.5	39.0	39.0	39.0
160	6.5	8.0	10.5	12.5	14.5	16.0	17.5	18.0	18.0	18.0
165	4.0	4.0	3.5	3.5	3.5	3.5	3.5	4.0	4.0	3.5
170	4.0	4.0	4.0	3.5	3.5	3.5	3.5	4.0	4.0	4.0
175	4.0	4.0	4.0	4.0	3.5	3.5	3.5	3.5	3.5	3.5
180	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

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	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0
5	132.5	133.0	133.0	133.0	133.0	133.0	133.0	133.0	132.5	132.0
10	137.0	137.5	137.0	136.5	136.0	135.5	135.0	134.5	133.5	132.5
15	154.5	153.0	151.0	148.0	144.0	141.0	138.0	136.5	134.5	132.5
20	179.5	177.5	174.5	170.5	165.0	159.5	153.5	147.0	139.0	133.0
25	203.0	200.5	197.0	192.0	185.5	178.5	171.0	162.0	153.0	142.0
30	225.5	222.5	218.0	212.5	205.0	196.5	187.5	176.5	165.0	152.5
35	246.5	243.0	238.0	231.0	222.0	212.0	201.5	190.5	177.0	163.0
40	265.5	261.5	256.0	248.0	239.0	227.0	215.0	201.0	186.5	171.0
45	282.0	277.5	271.5	263.5	252.5	240.0	226.5	212.5	197.0	182.5
50	296.5	291.5	284.5	275.0	263.5	250.5	236.5	223.5	210.0	195.0
55	308.0	303.0	295.5	286.0	273.5	261.5	250.0	235.5	221.0	205.5
60	317.5	312.0	304.0	294.0	280.0	269.5	258.0	244.5	229.0	216.0
65	324.0	318.0	309.5	298.0	286.5	276.0	265.5	250.0	235.5	223.5
70	327.0	320.5	312.0	300.5	287.0	273.5	261.0	245.5	230.5	217.0
75	327.5	321.0	312.0	300.5	285.0	269.0	253.5	238.0	221.0	203.5
80	325.0	318.0	309.0	296.5	282.5	265.5	248.5	230.0	212.0	193.0
85	319.5	312.0	302.5	291.0	276.5	260.5	242.0	221.5	203.0	183.5
90	311.0	304.0	295.0	282.5	267.5	251.5	233.0	214.0	196.0	176.5
95	300.5	294.5	285.5	274.0	260.5	243.0	226.0	207.0	189.5	170.5
100	288.0	281.5	273.0	261.0	247.5	231.5	215.0	199.5	182.0	164.5
105	272.0	266.0	257.5	246.0	233.0	218.5	206.0	191.0	175.0	162.0
110	254.0	248.0	240.0	230.0	218.0	208.0	197.5	184.0	173.0	162.5
115	234.0	228.0	221.0	210.0	200.5	191.0	180.5	168.0	155.5	144.5
120	211.5	206.0	199.5	189.5	180.5	171.0	161.0	148.0	134.5	122.5
125	188.0	183.5	176.5	168.0	157.5	148.0	137.0	126.0	114.0	100.0
130	163.0	159.0	153.0	145.0	135.5	124.0	111.0	100.5	90.5	79.5
135	137.5	133.5	127.5	118.0	109.0	99.0	87.5	77.0	67.0	57.5

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CANDELA TABULATION - (Cont.)

140	108.0	104.5	99.0	93.0	86.0	78.0	69.0	59.5	50.0	39.0
145	83.0	80.5	76.5	71.5	65.5	59.0	51.5	43.5	35.5	26.0
150	59.5	57.5	54.0	50.5	46.0	41.0	34.5	28.0	21.5	14.5
155	38.0	36.0	33.5	30.5	27.0	22.5	18.0	13.0	8.5	5.5
160	17.5	16.0	14.0	12.5	10.0	7.5	5.5	4.0	4.5	4.5
165	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.5	4.5
170	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.5	4.5
175	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5
180	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Vert. Horizontal Angles

Angles	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	131.0	131.0	131.0	131.0	131.0	131.0	131.0
5	131.0	130.5	130.5	130.5	131.0	131.0	131.0
10	131.0	129.5	129.0	129.0	129.0	129.0	128.5
15	130.5	128.5	127.0	126.5	126.5	126.0	125.5
20	130.0	127.0	125.0	123.5	122.5	122.0	121.5
25	131.5	125.0	122.0	119.5	118.0	116.5	116.0
30	139.5	126.0	118.0	115.0	112.5	110.5	110.0
35	148.5	131.5	116.0	109.5	106.5	104.0	103.0
40	154.5	137.5	119.0	103.0	99.0	96.5	95.0
45	166.5	147.5	129.0	111.0	101.5	98.0	96.5
50	179.0	162.0	144.5	129.0	115.5	114.5	113.5
55	191.0	177.5	162.0	145.0	128.0	123.5	123.0
60	203.5	189.0	172.5	154.5	136.5	125.5	125.0
65	210.5	195.5	178.0	159.5	139.0	123.5	123.0
70	203.0	187.5	169.5	150.5	129.5	110.0	108.0
75	188.0	170.0	152.0	132.5	112.5	92.0	85.5
80	175.0	157.0	137.5	118.5	97.5	78.5	67.0
85	163.5	145.0	126.5	107.5	87.0	68.5	56.0
90	155.5	137.0	118.5	100.0	81.0	63.5	49.0
95	151.5	134.0	115.5	97.0	77.5	60.5	50.5
100	147.5	132.0	115.0	97.0	79.5	63.0	57.5
105	148.5	133.5	117.0	100.0	83.5	69.5	67.5
110	149.5	135.5	121.0	106.0	92.0	81.5	81.0
115	133.0	120.5	107.5	95.0	82.0	75.5	76.5
120	112.0	101.5	91.0	79.5	68.5	67.0	68.0
125	89.0	80.0	71.0	62.0	55.0	56.5	57.0
130	67.0	55.0	44.5	35.5	33.5	36.0	36.5
135	46.5	34.0	20.0	8.0	6.0	6.0	6.0
140	28.5	18.0	9.5	5.5	5.5	5.5	5.5
145	17.5	9.5	5.5	5.5	5.5	5.5	5.5
150	8.5	5.0	5.0	5.0	5.5	5.0	5.0
155	4.5	5.0	5.0	5.0	5.0	5.0	5.0
160	4.5	4.5	5.0	5.0	5.0	5.0	5.0
165	4.5	4.5	4.5	4.5	4.5	4.5	5.0
170	4.5	4.5	4.5	4.5	4.5	4.5	4.5
175	4.5	4.5	4.5	4.5	4.5	4.5	4.5
180	4.0	4.0	4.0	4.0	4.0	4.0	4.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	52.47	N.A.	2.50
0-30	126.83	N.A.	6.00
0-40	240.82	N.A.	11.40
0-60	602.03	N.A.	28.50
0-80	1085.44	N.A.	51.40
0-90	1318.91	N.A.	62.50
10-90	1306.27	N.A.	61.90
20-40	188.35	N.A.	8.90
20-50	345.28	N.A.	16.40
40-70	600.41	N.A.	28.40
60-80	483.41	N.A.	22.90
70-80	244.21	N.A.	11.60
80-90	233.47	N.A.	11.10
90-110	415.66	N.A.	19.70
90-120	580.10	N.A.	27.50
90-130	693.16	N.A.	32.80
90-150	781.28	N.A.	37.00
90-180	792.04	N.A.	37.50
110-180	376.38	N.A.	17.80
0-180	2110.95	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	12.64
10-20	39.83
20-30	74.36
30-40	113.99
40-50	156.94
50-60	204.28
60-70	239.20
70-80	244.21
80-90	233.47
90-100	217.74
100-110	197.92
110-120	164.44
120-130	113.06
130-140	60.71
140-150	27.41
150-160	8.84
160-170	1.53
170-180	0.39

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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

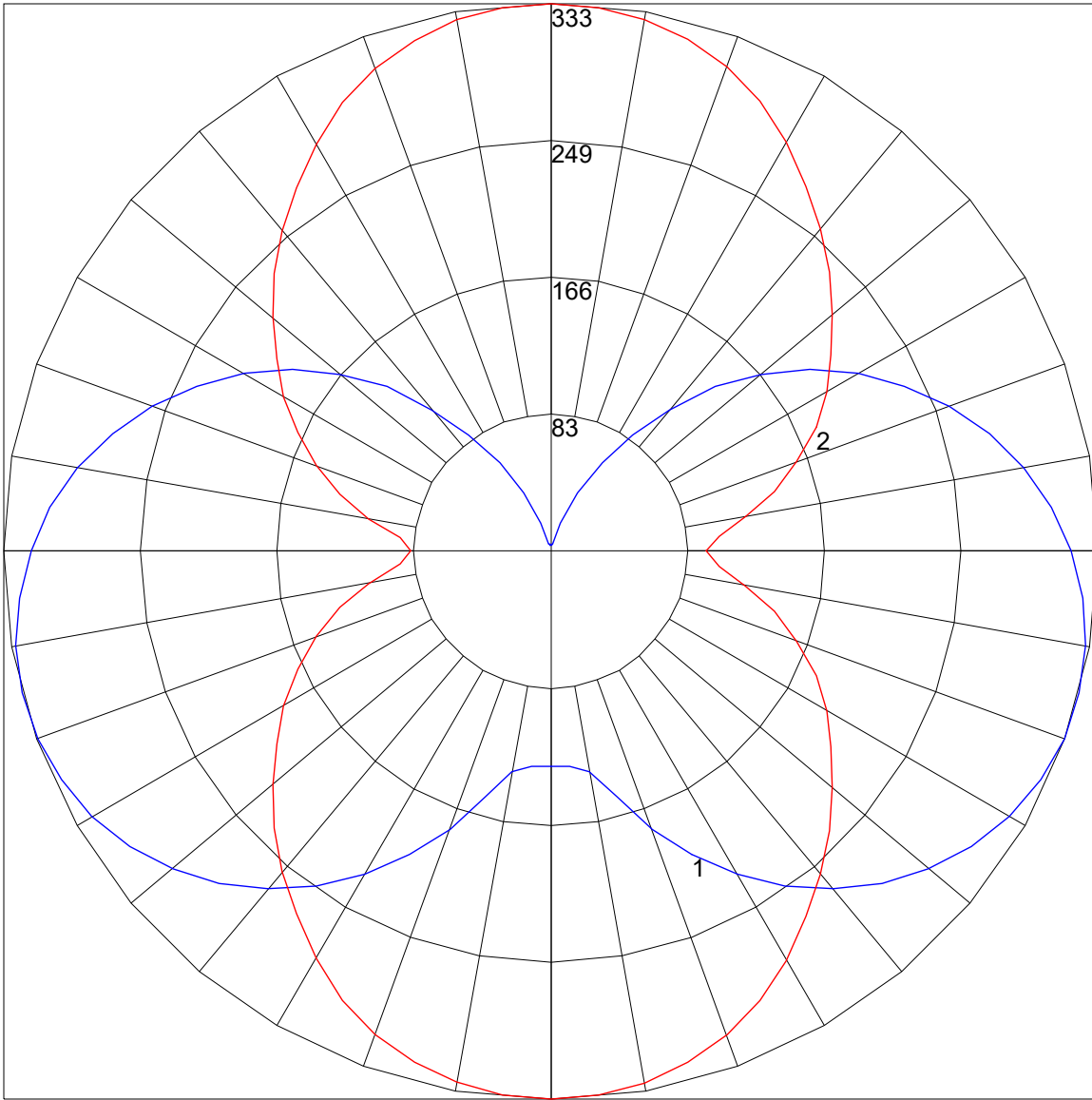
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_W6_LO_358_WH-AL.IES

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	10.1	11.2	10.9	12.1	13.2	16.4	17.6	17.2	18.5	19.5
	3H	12.3	13.4	13.1	14.3	15.4	20.2	21.3	21.1	22.2	23.3
	4H	13.1	14.1	13.9	15.0	16.1	22.2	23.2	23.0	24.1	25.2
	6H	13.7	14.6	14.5	15.5	16.6	24.3	25.2	25.1	26.1	27.2
	8H	13.9	14.8	14.7	15.7	16.8	25.3	26.3	26.2	27.2	28.3
	12H	14.1	15.0	14.9	15.9	17.0	26.5	27.4	27.4	28.3	29.4
4H	2H	12.3	13.3	13.1	14.2	15.3	16.7	17.7	17.5	18.6	19.7
	3H	14.7	15.6	15.5	16.5	17.6	20.7	21.6	21.5	22.5	23.6
	4H	15.6	16.4	16.5	17.3	18.5	22.7	23.6	23.6	24.5	25.6
	6H	16.3	17.0	17.2	18.0	19.1	25.0	25.7	25.9	26.7	27.8
	8H	16.6	17.3	17.4	18.2	19.4	26.2	26.9	27.0	27.8	29.0
	12H	16.8	17.4	17.7	18.4	19.6	27.5	28.1	28.4	29.0	30.2
8H	4H	17.1	17.8	18.0	18.8	19.9	22.9	23.6	23.8	24.5	25.7
	6H	18.1	18.7	19.0	19.7	20.8	25.3	25.9	26.2	26.8	28.0
	8H	18.5	19.1	19.4	20.0	21.2	26.5	27.1	27.5	28.1	29.2
	12H	18.9	19.4	19.8	20.3	21.5	28.0	28.5	28.9	29.4	30.7
12H	4H	17.6	18.3	18.5	19.2	20.4	22.9	23.5	23.8	24.5	25.6
	6H	18.8	19.3	19.7	20.3	21.5	25.3	25.8	26.2	26.8	28.0
	8H	19.3	19.8	20.2	20.8	22.0	26.6	27.1	27.5	28.1	29.3

Maximum UGR = 30.7

POLAR GRAPH



Maximum Candela = 332.5 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.)