

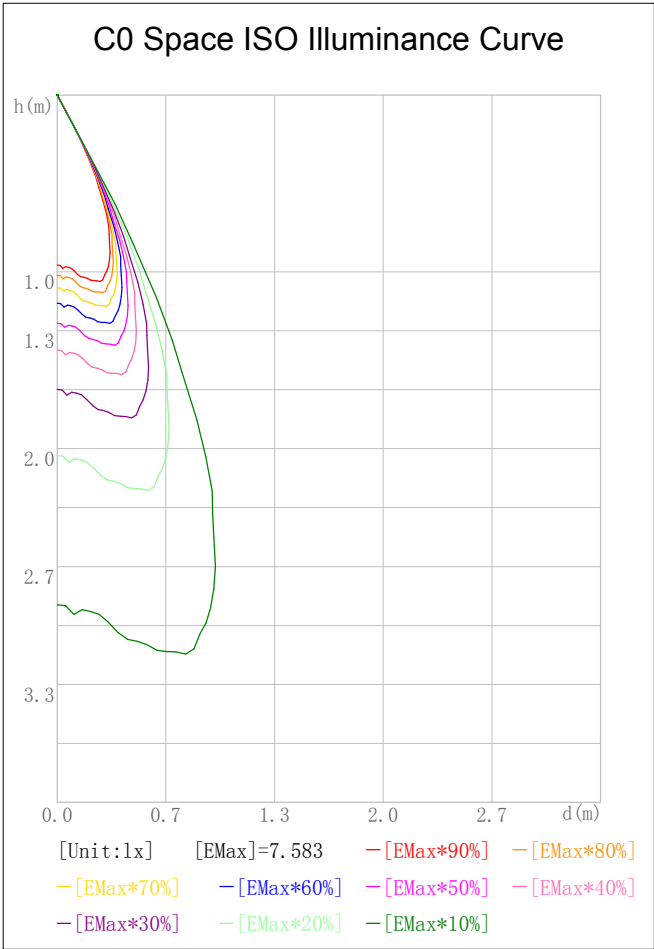
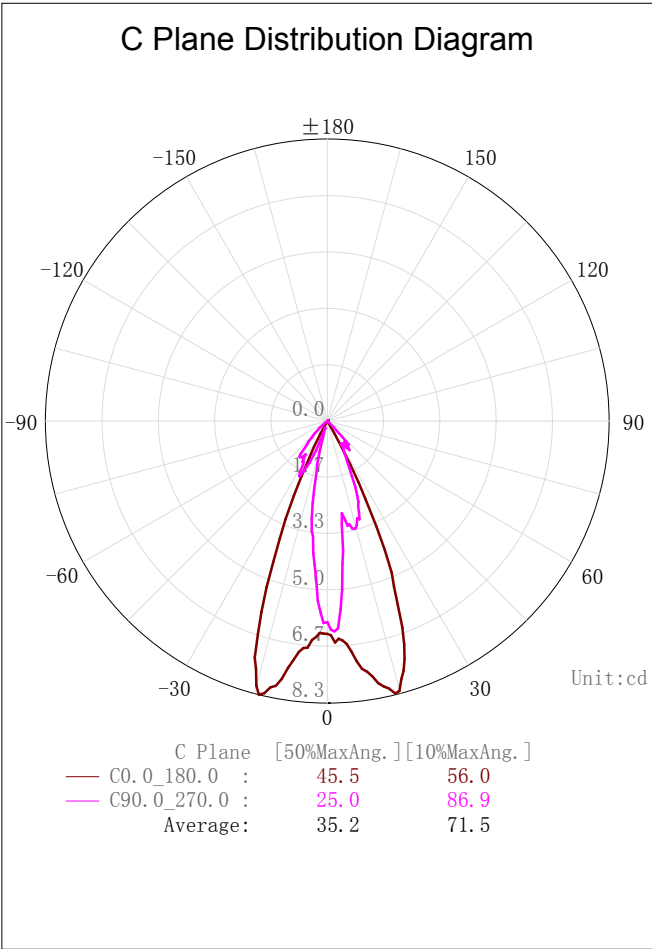
Indoor Luminaire Photometric Data

Description Information

Luminary Name: ML-0412	Lum. Catalog: 2	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Date: 2022/12/24
Manufacture: 3	Shld. Ang(°):	Test Machine:GON-2000
Test Lab: Volnic IES	Frequency(Hz):50.0	Lamp CCT(K): Ra:
Lum. Size (W*L*H):40mm*-40mm*0mm	Lum. Area(m2):0.001	Lum. W(kg): 1.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25
		Humidity(%): 68

Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 2.680	Luminary Flux(lm): 2.680	Field Angle(10%Imax): 56.0(°)
Rated Power(W): 0	Luminary Efficiency: 100.00%	Down Lumens&Percent: 2.493lm 93.03%
Rated Voltage(V):	Luminary EER(lm/W): 1.382	Up Lumens&Percent: 0.187lm 6.97%
Tested Power(W): 1.939	Max. Candela(cd): 8.342	S/MH: C0_a180=0.845 C90_270=0.280
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=14.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf):120.1, 0.031, 0.515	Beam Angle(50%Imax): 45.5(°)	ErP Φuse(90°): 2.432lm
Lamp Size(W*L*H):40mm*-40mm*0mm	Left=-24.0°, Right=21.4°	IRF(%): 584.731

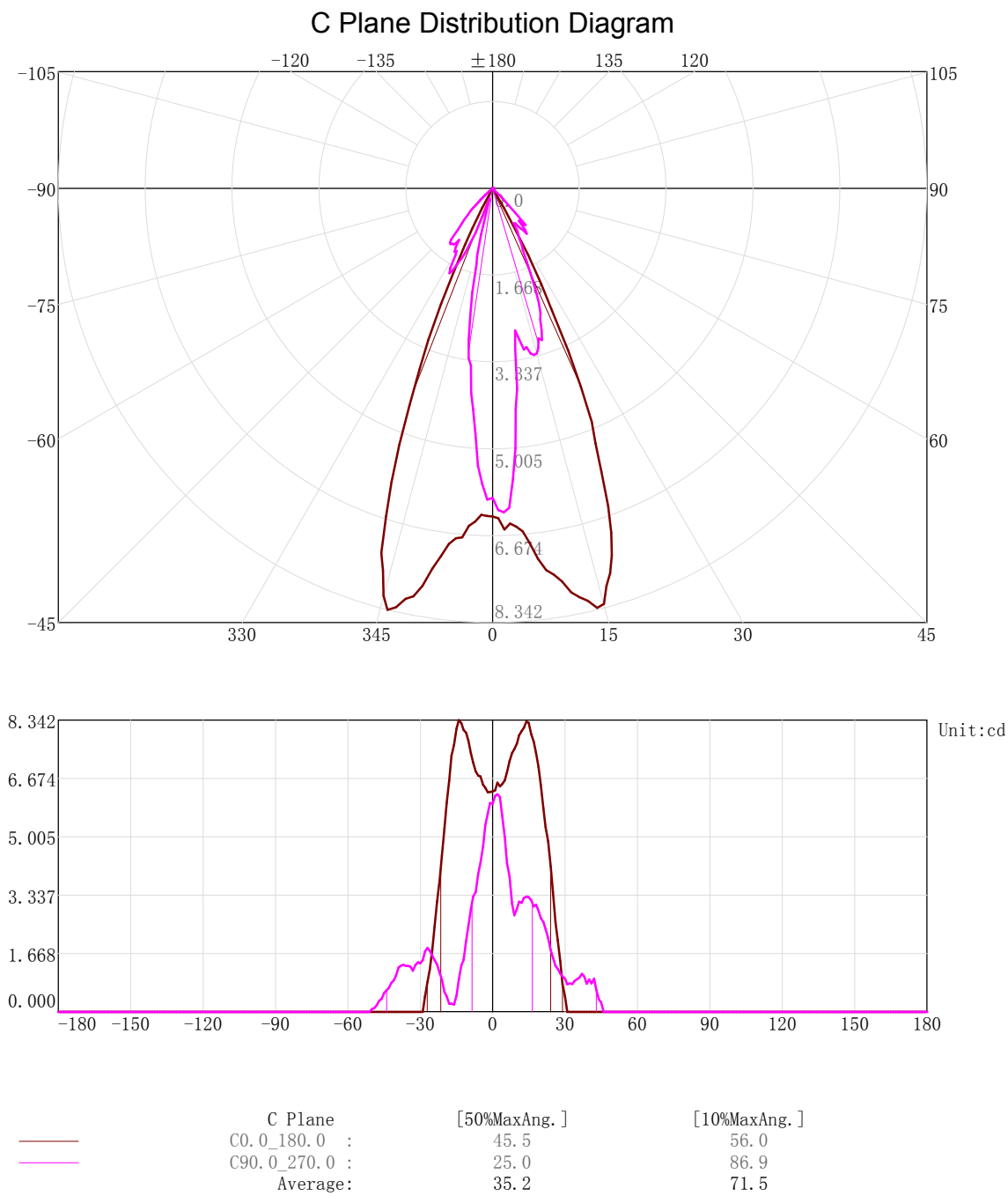


Average brightness table(cd/m2)

Angle value	Average	Average	Average
Y(° )	L0	L45	L90
45	0	0	308
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

2D Plane Light Intensity Distribution Curve

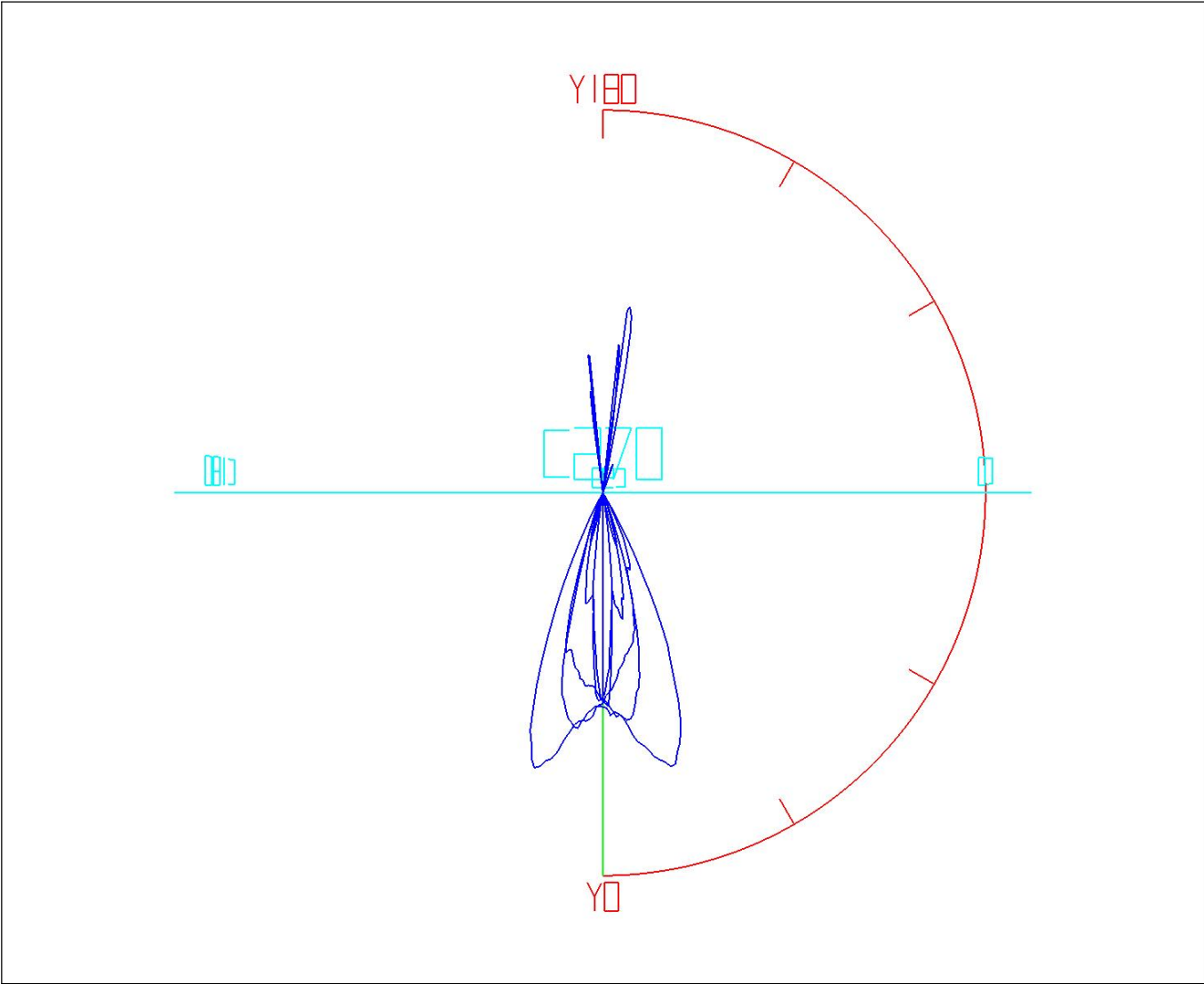
Lum. Name: ML-0412	Lum. Catalog: 2	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture: 3	Test Machine:GON-2000	Test Date: 2022/12/24



3D Light Intensity Distribution Modal

Lum. Name: ML-0412	Lum. Catelog: 2	Test ID: 001
Lamp Name:	Lamp Catelog: LED	Test Lab: Volnic IES
Manufacture: 3	Test Machine:GON-2000	Test Date: 2022/12/24

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

Spin:0

Zonal Flux Tabulation

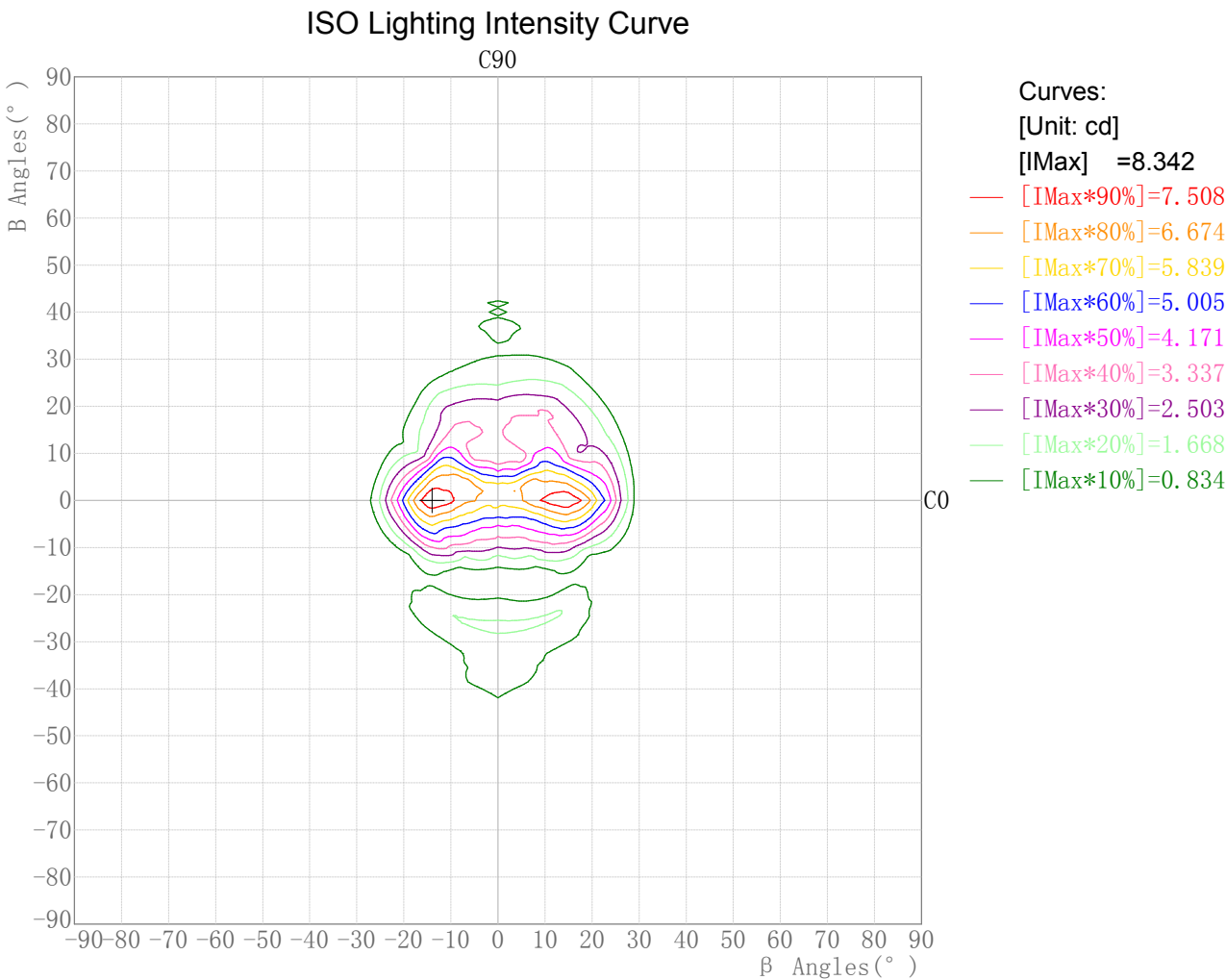
Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	0.01	0.01	0.22	0.22	47.0-48.0	0.00	2.49	0.06	92.95
1.0-2.0	0.02	0.02	0.65	0.87	48.0-49.0	0.00	2.49	0.04	92.99
2.0-3.0	0.03	0.05	1.08	1.95	49.0-50.0	0.00	2.49	0.02	93.01
3.0-4.0	0.04	0.09	1.48	3.43	50.0-51.0	0.00	2.49	0.01	93.02
4.0-5.0	0.05	0.14	1.84	5.27	51.0-52.0	0.00	2.49	0.00	93.02
5.0-6.0	0.06	0.20	2.16	7.43	52.0-53.0	0.00	2.49	0.00	93.02
6.0-7.0	0.07	0.27	2.46	9.90	53.0-54.0	0.00	2.49	0.00	93.02
7.0-8.0	0.07	0.34	2.75	12.64	54.0-55.0	0.00	2.49	0.00	93.02
8.0-9.0	0.08	0.42	3.00	15.64	55.0-56.0	0.00	2.49	0.00	93.02
9.0-10.0	0.09	0.51	3.23	18.87	56.0-57.0	0.00	2.49	0.00	93.02
10.0-11.0	0.09	0.60	3.48	22.35	57.0-58.0	0.00	2.49	0.00	93.02
11.0-12.0	0.10	0.70	3.72	26.07	58.0-59.0	0.00	2.49	0.00	93.02
12.0-13.0	0.11	0.80	3.94	30.01	59.0-60.0	0.00	2.49	0.00	93.02
13.0-14.0	0.11	0.91	4.12	34.13	60.0-61.0	0.00	2.49	0.00	93.02
14.0-15.0	0.11	1.03	4.25	38.38	61.0-62.0	0.00	2.49	0.00	93.02
15.0-16.0	0.11	1.14	4.28	42.66	62.0-63.0	0.00	2.49	0.00	93.02
16.0-17.0	0.11	1.26	4.18	46.84	63.0-64.0	0.00	2.49	0.00	93.02
17.0-18.0	0.11	1.36	4.03	50.87	64.0-65.0	0.00	2.49	0.00	93.02
18.0-19.0	0.10	1.47	3.82	54.69	65.0-66.0	0.00	2.49	0.00	93.02
19.0-20.0	0.10	1.56	3.58	58.27	66.0-67.0	0.00	2.49	0.00	93.02
20.0-21.0	0.09	1.65	3.42	61.69	67.0-68.0	0.00	2.49	0.00	93.02
21.0-22.0	0.09	1.74	3.29	64.98	68.0-69.0	0.00	2.49	0.00	93.02
22.0-23.0	0.08	1.83	3.15	68.13	69.0-70.0	0.00	2.49	0.00	93.02
23.0-24.0	0.08	1.91	2.98	71.11	70.0-71.0	0.00	2.49	0.00	93.02
24.0-25.0	0.07	1.98	2.77	73.88	71.0-72.0	0.00	2.49	0.00	93.02
25.0-26.0	0.07	2.05	2.54	76.42	72.0-73.0	0.00	2.49	0.00	93.02
26.0-27.0	0.06	2.11	2.31	78.73	73.0-74.0	0.00	2.49	0.00	93.02
27.0-28.0	0.05	2.16	2.04	80.78	74.0-75.0	0.00	2.49	0.00	93.02
28.0-29.0	0.05	2.21	1.73	82.51	75.0-76.0	0.00	2.49	0.00	93.02
29.0-30.0	0.04	2.25	1.44	83.95	76.0-77.0	0.00	2.49	0.00	93.02
30.0-31.0	0.03	2.28	1.20	85.15	77.0-78.0	0.00	2.49	0.00	93.02
31.0-32.0	0.03	2.31	1.00	86.15	78.0-79.0	0.00	2.49	0.00	93.02
32.0-33.0	0.02	2.33	0.85	86.99	79.0-80.0	0.00	2.49	0.00	93.02
33.0-34.0	0.02	2.35	0.73	87.72	80.0-81.0	0.00	2.49	0.00	93.02
34.0-35.0	0.02	2.37	0.65	88.37	81.0-82.0	0.00	2.49	0.00	93.02
35.0-36.0	0.02	2.38	0.60	88.97	82.0-83.0	0.00	2.49	0.00	93.02
36.0-37.0	0.02	2.40	0.58	89.55	83.0-84.0	0.00	2.49	0.00	93.02
37.0-38.0	0.01	2.41	0.55	90.10	84.0-85.0	0.00	2.49	0.00	93.02
38.0-39.0	0.01	2.43	0.48	90.59	85.0-86.0	0.00	2.49	0.00	93.02
39.0-40.0	0.01	2.44	0.44	91.02	86.0-87.0	0.00	2.49	0.00	93.02
40.0-41.0	0.01	2.45	0.41	91.43	87.0-88.0	0.00	2.49	0.00	93.02
41.0-42.0	0.01	2.46	0.39	91.82	88.0-89.0	0.00	2.49	0.00	93.02
42.0-43.0	0.01	2.47	0.36	92.18	89.0-90.0	0.00	2.49	0.00	93.02
43.0-44.0	0.01	2.48	0.27	92.45	90.0-91.0	0.00	2.49	0.00	93.02
44.0-45.0	0.01	2.48	0.21	92.66	91.0-92.0	0.00	2.49	0.00	93.02
45.0-46.0	0.00	2.49	0.14	92.80	92.0-93.0	0.00	2.49	0.00	93.02
46.0-47.0	0.00	2.49	0.08	92.89	93.0-94.0	0.00	2.49	0.00	93.02

Zonal Flux Tabulation - (Cont.)

Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94. 0-95. 0	0. 00	2. 49	0. 00	93. 02	141. 0-142. 0	0. 00	2. 49	0. 00	93. 03
95. 0-96. 0	0. 00	2. 49	0. 00	93. 02	142. 0-143. 0	0. 00	2. 49	0. 02	93. 05
96. 0-97. 0	0. 00	2. 49	0. 00	93. 02	143. 0-144. 0	0. 00	2. 50	0. 11	93. 16
97. 0-98. 0	0. 00	2. 49	0. 00	93. 02	144. 0-145. 0	0. 00	2. 50	0. 18	93. 34
98. 0-99. 0	0. 00	2. 49	0. 00	93. 02	145. 0-146. 0	0. 00	2. 51	0. 18	93. 52
99. 0-100. 0	0. 00	2. 49	0. 00	93. 02	146. 0-147. 0	0. 00	2. 51	0. 08	93. 60
100. 0-101. 0	0. 00	2. 49	0. 00	93. 02	147. 0-148. 0	0. 00	2. 51	0. 00	93. 60
101. 0-102. 0	0. 00	2. 49	0. 00	93. 02	148. 0-149. 0	0. 00	2. 51	0. 00	93. 60
102. 0-103. 0	0. 00	2. 49	0. 00	93. 02	149. 0-150. 0	0. 00	2. 51	0. 00	93. 60
103. 0-104. 0	0. 00	2. 49	0. 00	93. 02	150. 0-151. 0	0. 00	2. 51	0. 00	93. 60
104. 0-105. 0	0. 00	2. 49	0. 00	93. 02	151. 0-152. 0	0. 00	2. 51	0. 00	93. 60
105. 0-106. 0	0. 00	2. 49	0. 00	93. 02	152. 0-153. 0	0. 00	2. 51	0. 00	93. 60
106. 0-107. 0	0. 00	2. 49	0. 00	93. 02	153. 0-154. 0	0. 00	2. 51	0. 00	93. 60
107. 0-108. 0	0. 00	2. 49	0. 00	93. 02	154. 0-155. 0	0. 00	2. 51	0. 00	93. 60
108. 0-109. 0	0. 00	2. 49	0. 00	93. 02	155. 0-156. 0	0. 00	2. 51	0. 00	93. 60
109. 0-110. 0	0. 00	2. 49	0. 00	93. 02	156. 0-157. 0	0. 00	2. 51	0. 00	93. 60
110. 0-111. 0	0. 00	2. 49	0. 00	93. 02	157. 0-158. 0	0. 00	2. 51	0. 04	93. 64
111. 0-112. 0	0. 00	2. 49	0. 00	93. 02	158. 0-159. 0	0. 01	2. 51	0. 20	93. 84
112. 0-113. 0	0. 00	2. 49	0. 00	93. 02	159. 0-160. 0	0. 01	2. 53	0. 40	94. 24
113. 0-114. 0	0. 00	2. 49	0. 00	93. 02	160. 0-161. 0	0. 01	2. 54	0. 54	94. 78
114. 0-115. 0	0. 00	2. 49	0. 00	93. 02	161. 0-162. 0	0. 02	2. 56	0. 62	95. 41
115. 0-116. 0	0. 00	2. 49	0. 00	93. 02	162. 0-163. 0	0. 02	2. 58	0. 69	96. 09
116. 0-117. 0	0. 00	2. 49	0. 00	93. 02	163. 0-164. 0	0. 02	2. 60	0. 75	96. 84
117. 0-118. 0	0. 00	2. 49	0. 00	93. 02	164. 0-165. 0	0. 02	2. 62	0. 86	97. 70
118. 0-119. 0	0. 00	2. 49	0. 00	93. 02	165. 0-166. 0	0. 02	2. 64	0. 74	98. 44
119. 0-120. 0	0. 00	2. 49	0. 00	93. 02	166. 0-167. 0	0. 01	2. 65	0. 49	98. 93
120. 0-121. 0	0. 00	2. 49	0. 00	93. 02	167. 0-168. 0	0. 01	2. 67	0. 52	99. 45
121. 0-122. 0	0. 00	2. 49	0. 00	93. 02	168. 0-169. 0	0. 01	2. 68	0. 42	99. 87
122. 0-123. 0	0. 00	2. 49	0. 00	93. 02	169. 0-170. 0	0. 00	2. 68	0. 12	100. 00
123. 0-124. 0	0. 00	2. 49	0. 00	93. 02	170. 0-171. 0	0. 00	2. 68	0. 00	100. 00
124. 0-125. 0	0. 00	2. 49	0. 00	93. 02	171. 0-172. 0	0. 00	2. 68	0. 00	100. 00
125. 0-126. 0	0. 00	2. 49	0. 00	93. 02	172. 0-173. 0	0. 00	2. 68	0. 00	100. 00
126. 0-127. 0	0. 00	2. 49	0. 00	93. 02	173. 0-174. 0	0. 00	2. 68	0. 00	100. 00
127. 0-128. 0	0. 00	2. 49	0. 00	93. 02	174. 0-175. 0	0. 00	2. 68	0. 00	100. 00
128. 0-129. 0	0. 00	2. 49	0. 00	93. 02	175. 0-176. 0	0. 00	2. 68	0. 00	100. 00
129. 0-130. 0	0. 00	2. 49	0. 00	93. 02	176. 0-177. 0	0. 00	2. 68	0. 00	100. 00
130. 0-131. 0	0. 00	2. 49	0. 00	93. 02	177. 0-178. 0	0. 00	2. 68	0. 00	100. 00
131. 0-132. 0	0. 00	2. 49	0. 00	93. 02	178. 0-179. 0	0. 00	2. 68	0. 00	100. 00
132. 0-133. 0	0. 00	2. 49	0. 00	93. 02	179. 0-180. 0	0. 00	2. 68	0. 00	100. 00
133. 0-134. 0	0. 00	2. 49	0. 00	93. 02	Conical surface Flux(90deg):2.483 %lm = 92.66 %lamp = 92.66				
134. 0-135. 0	0. 00	2. 49	0. 00	93. 02					
135. 0-136. 0	0. 00	2. 49	0. 00	93. 02					
136. 0-137. 0	0. 00	2. 49	0. 00	93. 02					
137. 0-138. 0	0. 00	2. 49	0. 00	93. 02	Conical surface Flux(120deg):2.493 %lm = 93.02 %lamp = 93.03				
138. 0-139. 0	0. 00	2. 49	0. 00	93. 02					
139. 0-140. 0	0. 00	2. 49	0. 00	93. 03					
140. 0-141. 0	0. 00	2. 49	0. 00	93. 03					

Rectangle ISO Lighting Intensity Diagram

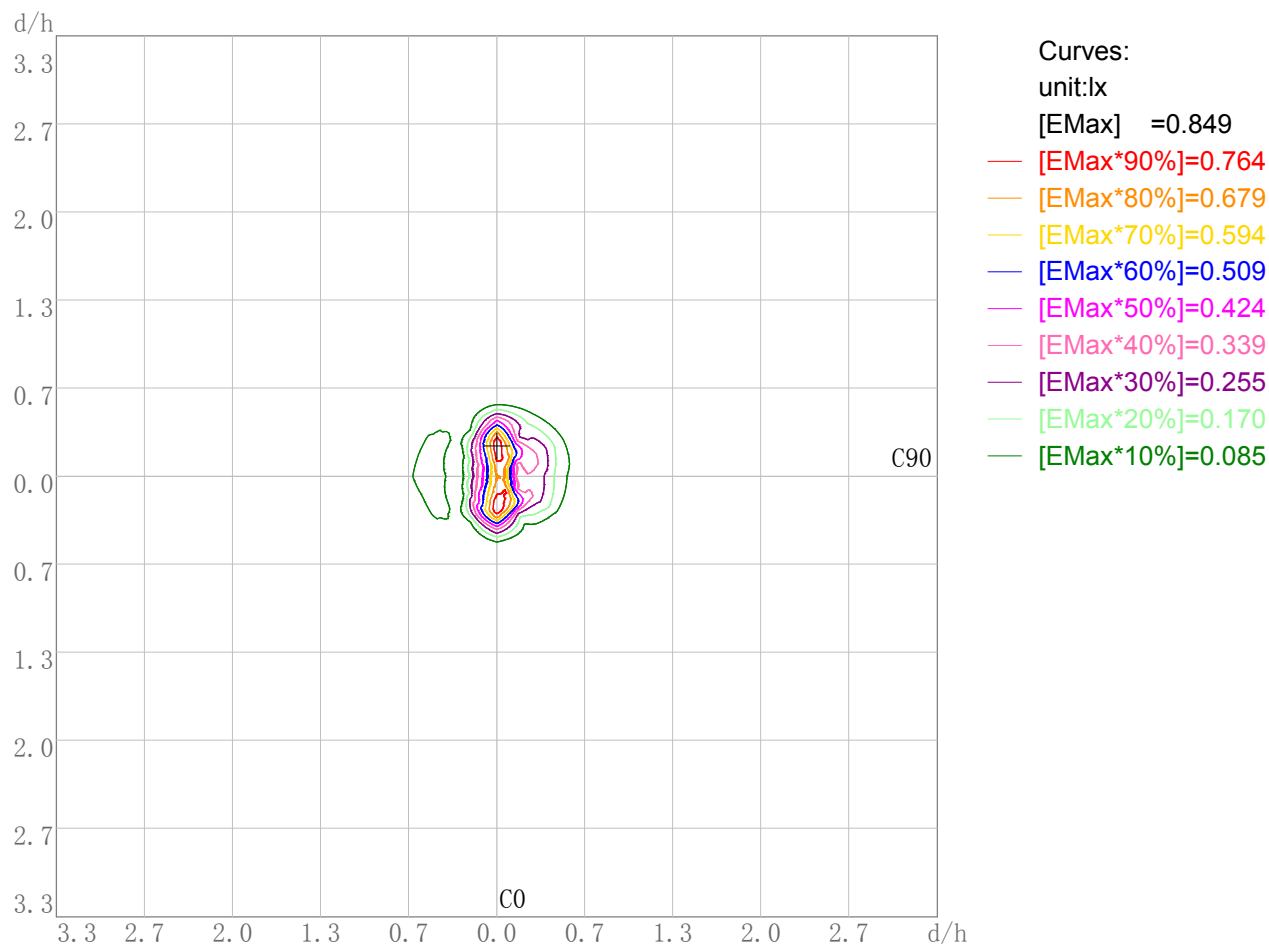
Lum. Name: ML-0412	Lum. Catalog: 2	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture: 3	Test Machine:GON-2000	Test Date: 2022/12/24



Plane ISO-Illuminance Diagram

Lum. Name: ML-0412	Lum. Catalog: 2	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture: 3	Test Machine:GON-2000	Test Date: 2022/12/24

Plane ISO-Illuminance Curve



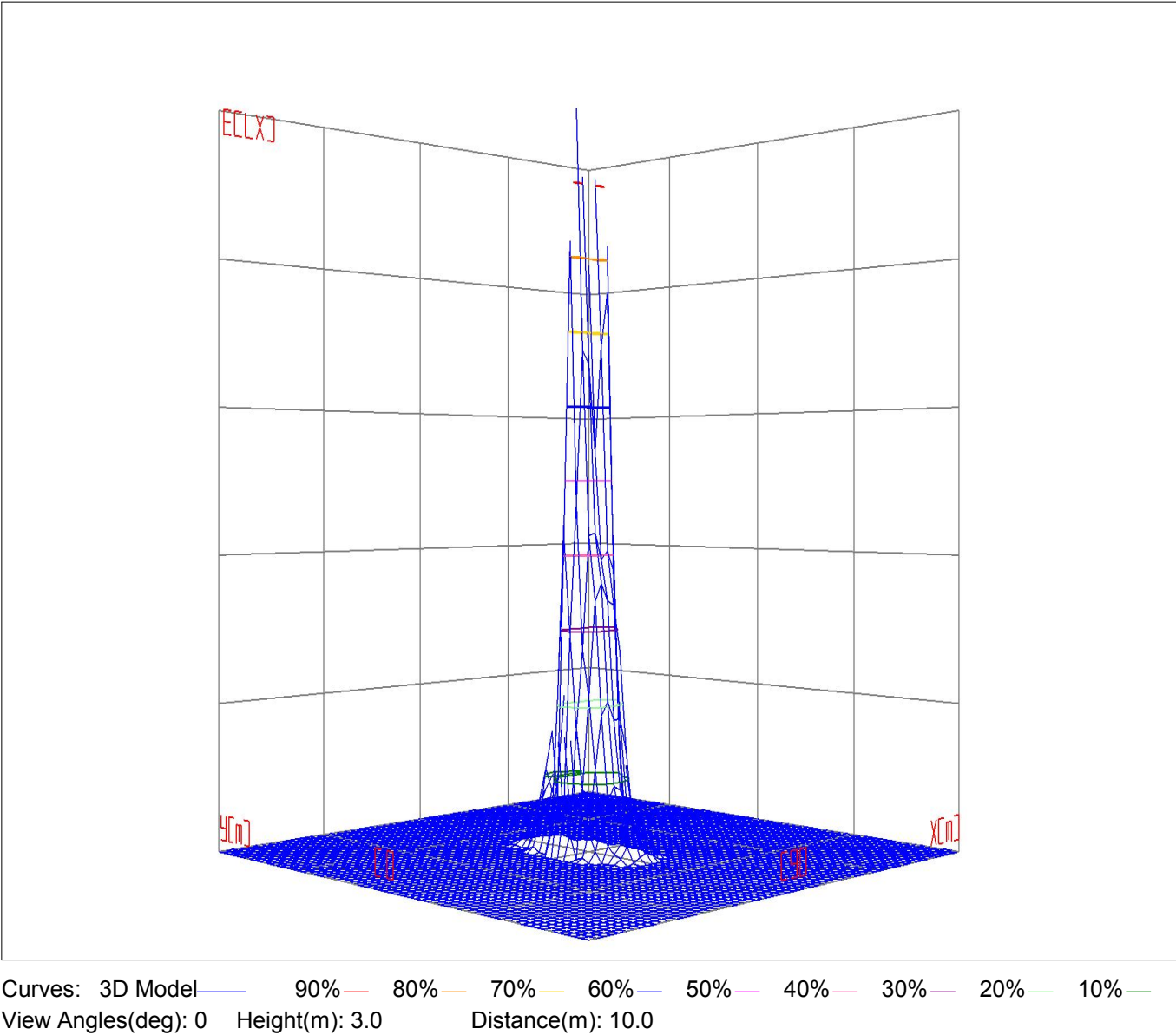
Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 0.85  
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.2



3D Plane ISO Illuminance Diagram

Lum. Name: ML-0412	Lum. Catalog: 2	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture: 3	Test Machine:GON-2000	Test Date: 2022/12/24

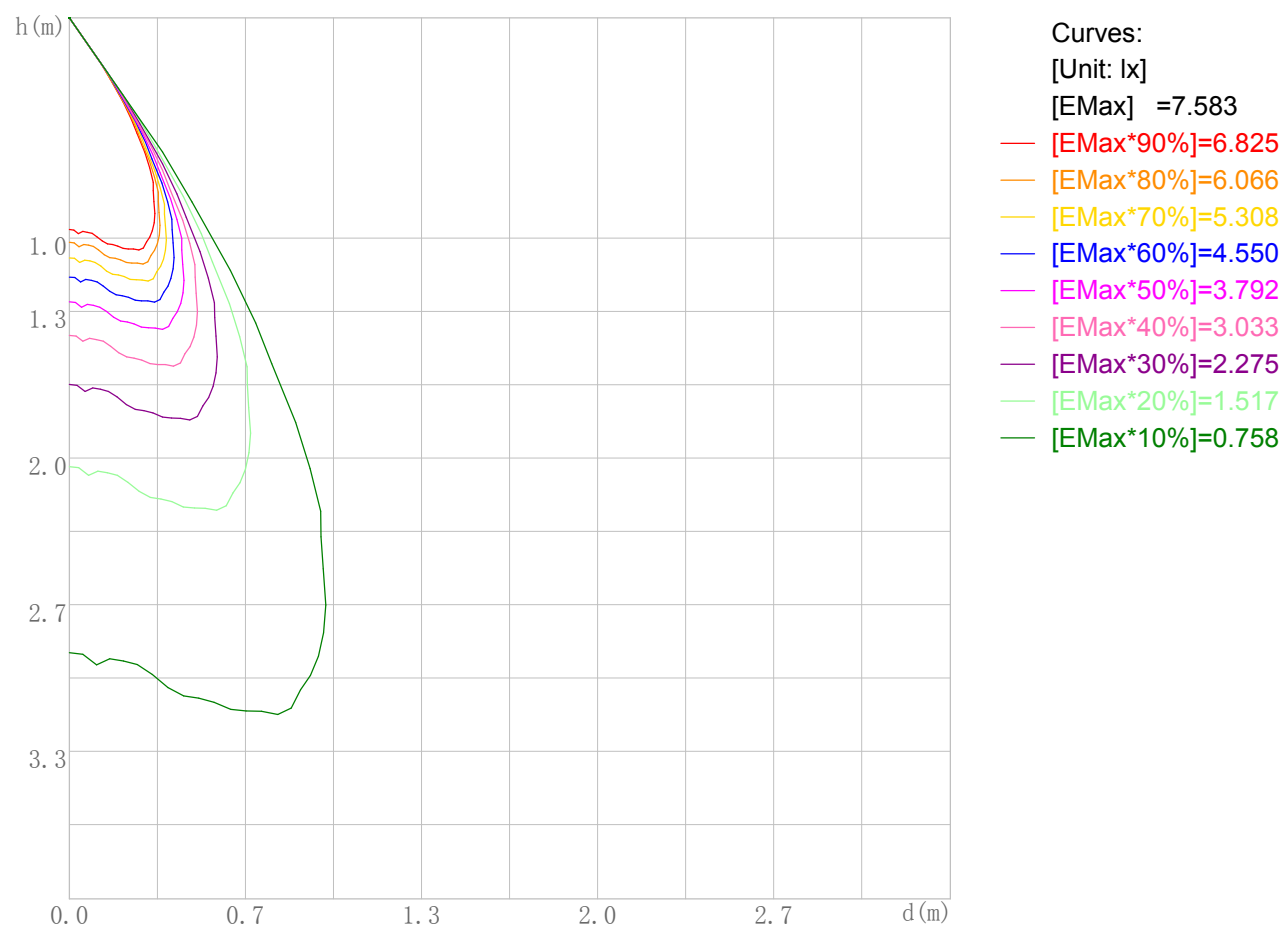
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: ML-0412	Lum. Catelog: 2	Test ID: 001
Lamp Name:	Lamp Catelog: LED	Test Lab: Volnic IES
Manufacture: 3	Test Machine:GON-2000	Test Date: 2022/12/24

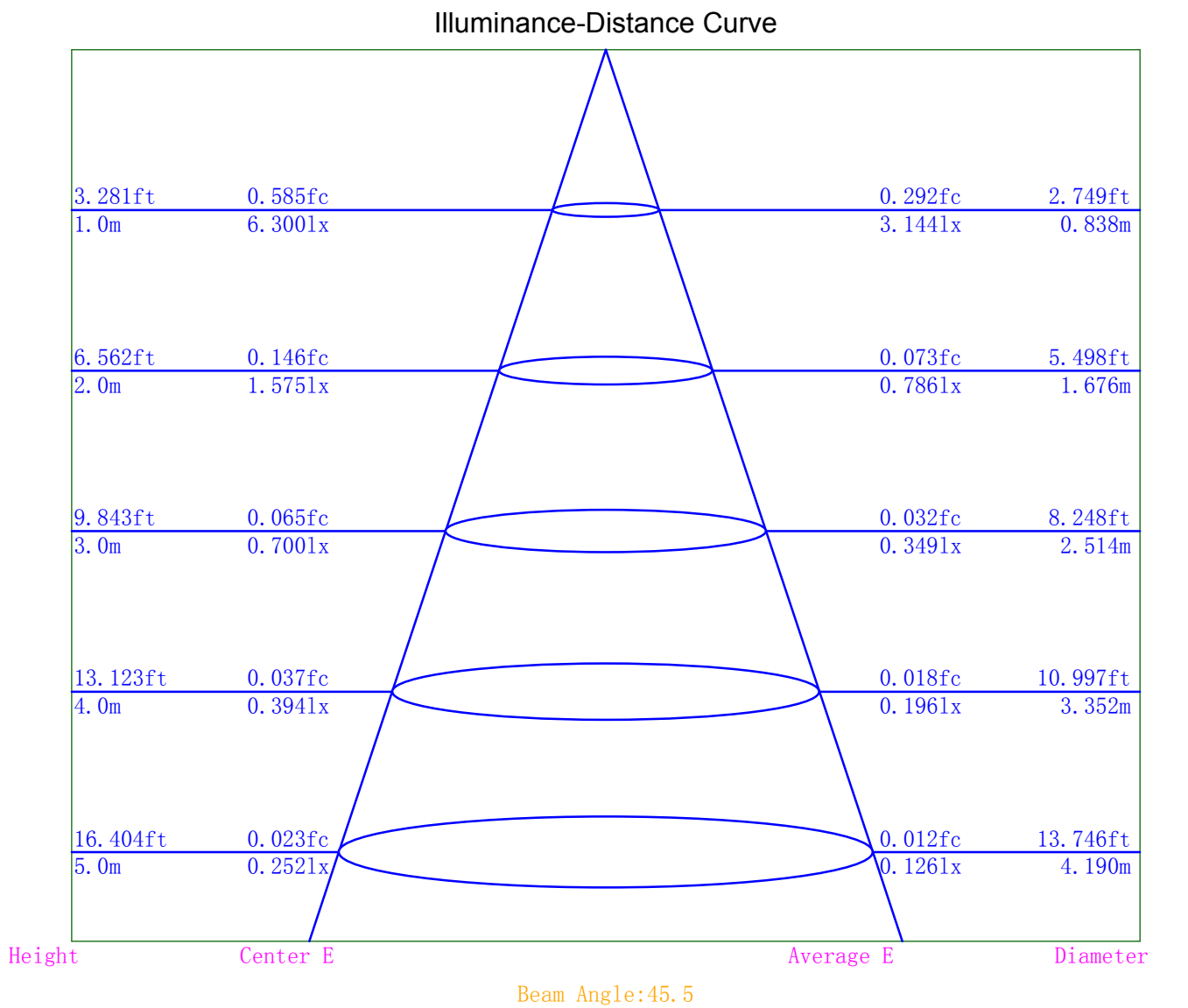
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:7.58lx,14.0deg  
Plane Maximum Lighting Intensity and @Angle:8.301cd,0eg

Illuminance-Distance Diagram

Lum. Name: ML-0412	Lum. Catalog: 2	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture: 3	Test Machine:GON-2000	Test Date: 2022/12/24



Indoor Luminance Limiting Curves

Lum. Name: ML-0412	Lum. Catalog: 2	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture: 3	Test Machine:GON-2000	Test Date: 2022/12/24

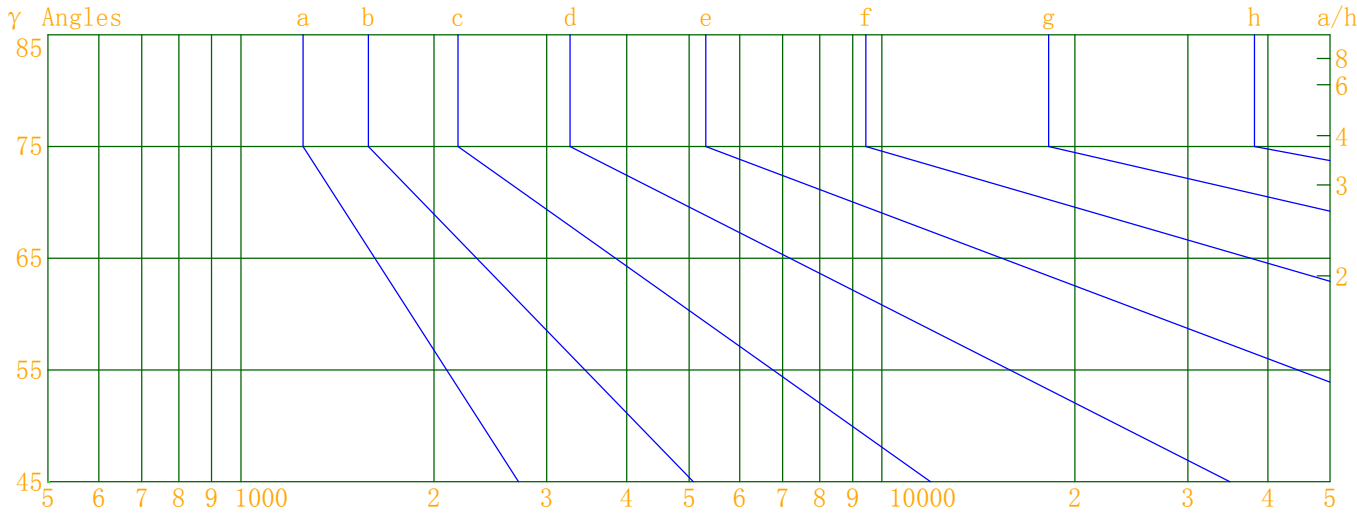
Glare Grade Table

GI	Quality	Using Illuminance							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E	a				2000	1000	500	<=300
			b	c	d	e	f	g	h

Luminance Table

Gama (deg)	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C90	308	0	0	0	0	0	0	0	0

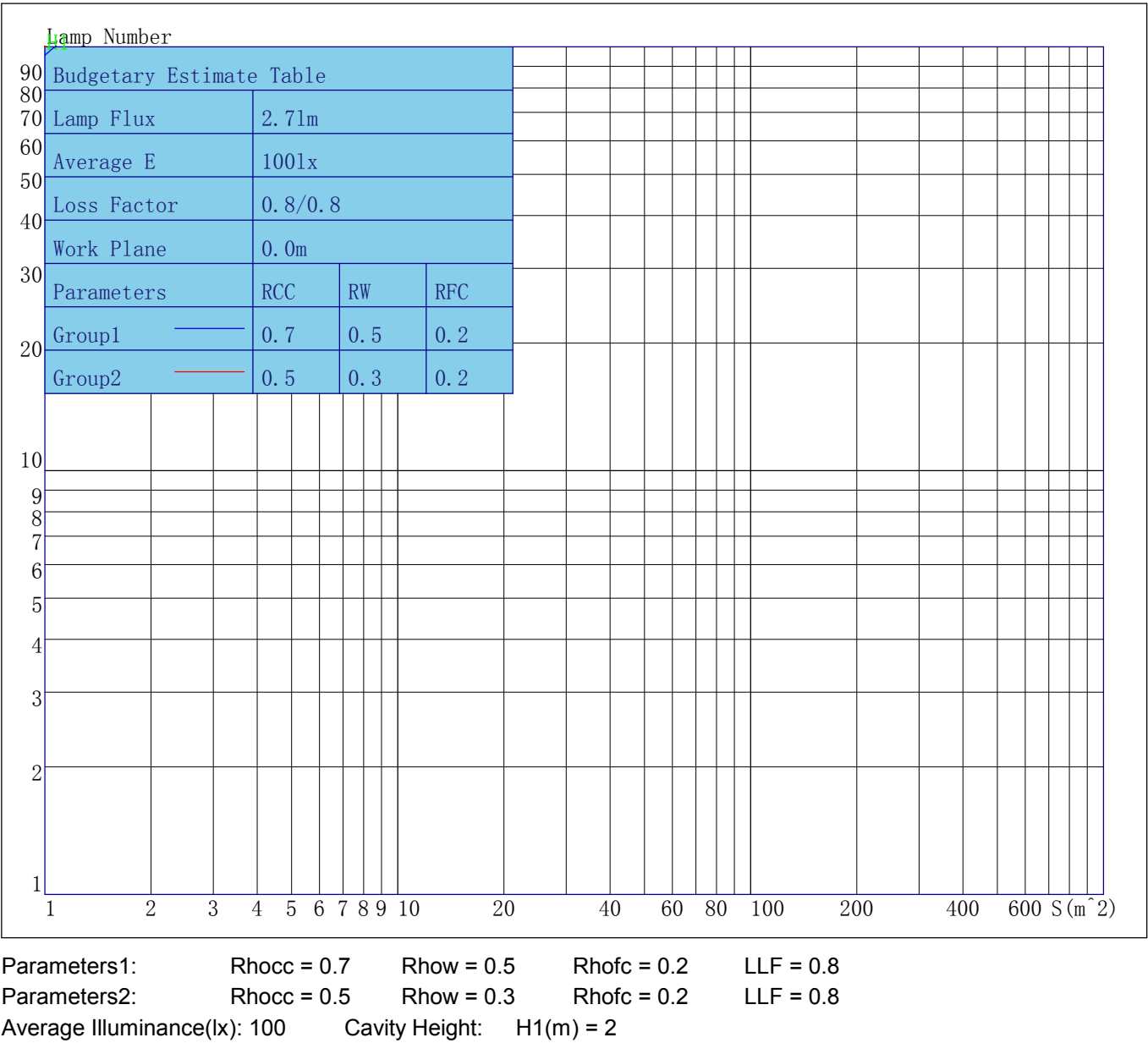
Luminance Limiting Curve



Luminous Size: Length(m)=-0.040 Width(m)=-0.040 Height(m)=0.000 Area(m^2)=0.001257  
Luminous Type: Without Luminous Side  
Luminous Curves: C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name: ML-0412	Lum. Catelog: 2	Test ID: 001
Lamp Name:	Lamp Catelog: LED	Test Lab: Volnic IES
Manufacture: 3	Test Machine:GON-2000	Test Date: 2022/12/24



Indoor Coefficient of Utilization Table

Lum. Name: ML-0412	Lum. Catelog: 2	Test ID: 001
Lamp Name:	Lamp Catelog: LED	Test Lab: Volnic IES
Manufacture: 3	Test Machine:GON-2000	Test Date: 2022/12/24

Coefficients of Utilization – Zonal Cavity Method																		
Coef.	Effective Floor Cavity Reflectance RFC=0.20																	
RhoCC (%)	80				70				50			30			10			0
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Coefficient of Utilization(%)																	
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	113	110	108	106	109	107	105	103	102	100	99	97	96	95	93	92	91	89
2	108	104	100	97	105	101	98	95	97	94	92	93	91	89	89	88	87	85
3	103	98	93	90	101	96	92	89	92	89	87	89	87	84	86	84	82	81
4	99	93	88	84	97	91	87	83	88	85	82	85	82	80	83	80	78	77
5	95	88	83	79	93	87	82	79	84	80	77	82	79	76	80	77	75	73
6	91	84	79	75	90	83	78	75	81	77	74	79	75	73	77	74	72	70
7	88	80	75	71	86	79	74	71	77	73	70	76	72	69	74	71	69	67
8	84	76	71	68	83	76	71	68	74	70	67	73	69	66	71	68	66	64
9	81	73	68	65	80	73	68	65	71	67	64	70	66	64	69	65	63	62
10	78	70	65	62	77	70	65	62	68	64	61	67	64	61	66	63	61	59

Unified Glare Rating Table

Lum. Name: ML-0412	Lum. Catalog: 2	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture: 3	Test Machine:GON-2000	Test Date: 2022/12/24

Unified Glare Rating Table

Ceiling RCC		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
Wall RW		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Floor RFC		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room Size		Vewed crosswise					Vewed endwise				
X=2H	Y=2H	-25.3	-24.4	-24.8	-24.0	-23.5	1.2	2.1	1.7	2.6	3.1
	Y=3H	-25.5	-24.7	-25.0	-24.3	-23.7	1.0	1.8	1.5	2.3	2.8
	Y=4H	-25.6	-24.9	-25.1	-24.4	-23.8	0.9	1.6	1.4	2.1	2.7
	Y=6H	-25.7	-25.1	-25.2	-24.6	-24.0	0.8	1.4	1.3	2.0	2.5
	Y=8H	-25.8	-25.2	-25.2	-24.6	-24.1	0.7	1.3	1.3	1.9	2.4
	Y=12H	-25.9	-25.3	-25.3	-24.7	-24.1	0.7	1.3	1.2	1.8	2.4
X=4H	Y=2H	-25.6	-24.9	-25.1	-24.4	-23.8	0.9	1.6	1.4	2.1	2.7
	Y=3H	-25.8	-25.2	-25.3	-24.7	-24.1	0.7	1.3	1.2	1.8	2.4
	Y=4H	-26.0	-25.4	-25.4	-24.9	-24.3	0.5	1.1	1.1	1.6	2.2
	Y=6H	-26.1	-25.6	-25.5	-25.0	-24.4	0.4	0.9	1.0	1.5	2.1
	Y=8H	-26.2	-25.7	-25.6	-25.2	-24.5	0.4	0.8	0.9	1.4	2.0
	Y=12H	-26.2	-25.9	-25.6	-25.2	-24.6	0.3	0.7	0.9	1.3	1.9
X=8H	Y=4H	-26.2	-25.7	-25.6	-25.2	-24.5	0.4	0.8	0.9	1.4	2.0
	Y=6H	-26.3	-25.9	-25.7	-25.3	-24.6	0.2	0.6	0.8	1.2	1.9
	Y=8H	-26.4	-26.1	-25.7	-25.4	-24.8	0.1	0.5	0.8	1.1	1.8
	Y=12H	-26.4	-26.2	-25.8	-25.5	-24.8	0.1	0.4	0.7	1.0	1.7
X=12H	Y=4H	-26.2	-25.9	-25.6	-25.2	-24.6	0.3	0.7	0.9	1.3	1.9
	Y=6H	-26.4	-26.1	-25.7	-25.5	-24.8	0.2	0.5	0.8	1.1	1.8
	Y=8H	-26.4	-26.2	-25.8	-25.5	-24.8	0.1	0.4	0.7	1.0	1.7
Variations with the objerver position at spacings											
S=1.0H		0.0/0.0					0.0/0.0				
S=1.5H		0.0/0.0					0.0/0.0				
S=2.0H		0.0/0.0					0.0/0.0				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		0.0					0.0				

Calculation is according to the CIE Pub.117,data has been corrected,refers to the lamp’s lumen

IES Indoor Report

Photometric Filename:ML-0412.IES

Candela Tabulation

V/H	C0. 0	C30. 0	C60. 0	C90. 0	C120. 0	C150. 0	C180. 0	C210. 0	C240. 0	C270. 0	C300. 0	C330. 0
γ 0. 0	6. 30	6. 11	6. 08	5. 95	6. 00	6. 20	6. 30	6. 11	6. 08	5. 95	6. 00	6. 20
γ 1. 0	6. 33	6. 16	6. 22	6. 18	6. 08	6. 25	6. 29	6. 00	6. 09	5. 98	5. 89	5. 96
γ 2. 0	6. 55	6. 31	6. 29	6. 22	6. 19	6. 34	6. 28	5. 83	5. 78	5. 68	5. 61	5. 87
γ 3. 0	6. 45	6. 48	6. 36	6. 14	6. 14	6. 63	6. 41	5. 67	5. 45	5. 34	5. 32	5. 76
γ 4. 0	6. 51	6. 68	5. 91	5. 61	6. 00	6. 74	6. 49	5. 66	5. 13	4. 72	5. 14	5. 57
γ 5. 0	6. 61	6. 62	5. 45	5. 01	5. 51	6. 82	6. 73	5. 63	4. 68	4. 27	4. 55	5. 43
γ 6. 0	6. 85	6. 74	4. 92	4. 26	5. 18	6. 82	6. 76	5. 65	4. 36	3. 96	4. 23	5. 18
γ 7. 0	7. 17	6. 85	4. 40	3. 88	4. 67	7. 10	6. 88	5. 48	4. 06	3. 42	3. 77	5. 08
γ 8. 0	7. 40	6. 86	3. 95	3. 10	4. 25	7. 11	7. 13	5. 44	3. 73	3. 30	3. 48	4. 97
γ 9. 0	7. 51	6. 74	3. 48	2. 76	3. 59	6. 98	7. 39	5. 21	3. 46	2. 94	3. 34	4. 76
γ 10. 0	7. 66	6. 46	3. 04	2. 94	3. 25	6. 92	7. 75	5. 17	3. 29	2. 46	2. 92	4. 73
γ 11. 0	7. 90	6. 13	3. 01	3. 15	3. 10	6. 71	7. 98	5. 03	3. 04	2. 03	2. 75	4. 60
γ 12. 0	8. 03	6. 01	3. 43	3. 12	3. 19	6. 47	8. 06	4. 82	2. 65	1. 49	2. 28	4. 52
γ 13. 0	8. 13	5. 67	3. 56	3. 25	3. 26	6. 30	8. 26	4. 64	2. 15	1. 33	1. 87	4. 43
γ 14. 0	8. 30	5. 17	3. 57	3. 30	3. 35	5. 91	8. 34	4. 65	1. 52	0. 92	1. 44	4. 21
γ 15. 0	8. 26	4. 79	3. 72	3. 28	3. 42	5. 34	8. 10	4. 76	1. 33	0. 47	1. 27	4. 08
γ 16. 0	7. 94	4. 30	3. 93	3. 19	3. 50	4. 41	7. 64	4. 42	0. 92	0. 21	0. 89	3. 70
γ 17. 0	7. 72	3. 63	4. 05	3. 01	3. 53	3. 37	7. 32	3. 91	0. 52	0. 23	0. 48	3. 48
γ 18. 0	7. 41	3. 10	3. 93	3. 06	3. 46	2. 65	6. 62	3. 44	0. 25	0. 23	0. 20	3. 07
γ 19. 0	6. 99	2. 69	3. 60	2. 89	3. 20	2. 00	5. 97	2. 67	0. 12	0. 45	0. 06	2. 49
γ 20. 0	6. 49	2. 42	3. 41	2. 68	2. 93	1. 63	5. 24	1. 99	0. 29	0. 57	0. 23	1. 96
γ 21. 0	5. 83	2. 39	3. 53	2. 57	2. 79	1. 38	4. 46	1. 36	0. 45	0. 92	0. 32	1. 43
γ 22. 0	5. 28	2. 51	3. 25	2. 37	2. 73	1. 17	3. 76	0. 84	0. 71	1. 11	0. 52	0. 96
γ 23. 0	4. 88	2. 41	3. 02	2. 11	2. 36	0. 88	3. 16	0. 48	1. 00	1. 35	0. 80	0. 62
γ 24. 0	4. 17	2. 23	2. 71	1. 78	2. 17	0. 74	2. 43	0. 20	1. 21	1. 48	1. 21	0. 41
γ 25. 0	3. 44	2. 00	2. 44	1. 55	1. 94	0. 59	1. 78	0. 00	1. 37	1. 60	1. 41	0. 25
γ 26. 0	2. 57	1. 78	2. 20	1. 32	1. 61	0. 30	1. 21	0. 00	1. 65	1. 75	1. 60	0. 24
γ 27. 0	2. 06	1. 62	1. 88	1. 24	1. 28	0. 07	0. 86	0. 00	1. 56	1. 83	1. 75	0. 03
γ 28. 0	1. 45	1. 39	1. 64	1. 10	1. 06	0. 00	0. 44	0. 00	1. 38	1. 73	1. 61	0. 00
γ 29. 0	0. 79	0. 98	1. 47	1. 01	0. 75	0. 00	0. 00	0. 00	1. 39	1. 47	1. 63	0. 00
γ 30. 0	0. 43	0. 77	1. 11	0. 95	0. 56	0. 00	0. 00	0. 00	1. 06	1. 39	1. 34	0. 00
γ 31. 0	0. 00	0. 50	0. 94	0. 79	0. 51	0. 00	0. 00	0. 00	0. 79	1. 42	1. 27	0. 00
γ 32. 0	0. 00	0. 20	0. 81	0. 82	0. 30	0. 00	0. 00	0. 00	0. 55	1. 34	1. 00	0. 00
γ 33. 0	0. 00	0. 00	0. 56	0. 80	0. 36	0. 00	0. 00	0. 00	0. 45	1. 18	0. 90	0. 00
γ 34. 0	0. 00	0. 00	0. 50	0. 88	0. 06	0. 00	0. 00	0. 00	0. 23	1. 29	0. 54	0. 00
γ 35. 0	0. 00	0. 00	0. 31	0. 94	0. 00	0. 00	0. 00	0. 00	0. 18	1. 32	0. 47	0. 00
γ 36. 0	0. 00	0. 00	0. 26	0. 98	0. 00	0. 00	0. 00	0. 00	0. 00	1. 31	0. 31	0. 00
γ 37. 0	0. 00	0. 00	0. 18	1. 09	0. 00	0. 00	0. 00	0. 00	0. 00	1. 34	0. 23	0. 00
γ 38. 0	0. 00	0. 00	0. 01	1. 02	0. 00	0. 00	0. 00	0. 00	0. 00	1. 33	0. 11	0. 00
γ 39. 0	0. 00	0. 00	0. 00	0. 80	0. 00	0. 00	0. 00	0. 00	0. 00	1. 26	0. 00	0. 00
γ 40. 0	0. 00	0. 00	0. 00	0. 93	0. 00	0. 00	0. 00	0. 00	0. 00	1. 03	0. 00	0. 00
γ 41. 0	0. 00	0. 00	0. 00	0. 82	0. 00	0. 00	0. 00	0. 00	0. 00	0. 90	0. 00	0. 00
γ 42. 0	0. 00	0. 00	0. 00	0. 95	0. 00	0. 00	0. 00	0. 00	0. 00	0. 83	0. 00	0. 00
γ 43. 0	0. 00	0. 00	0. 00	0. 63	0. 00	0. 00	0. 00	0. 00	0. 00	0. 69	0. 00	0. 00
γ 44. 0	0. 00	0. 00	0. 00	0. 35	0. 00	0. 00	0. 00	0. 00	0. 00	0. 61	0. 00	0. 00
γ 45. 0	0. 00	0. 00	0. 00	0. 27	0. 00	0. 00	0. 00	0. 00	0. 00	0. 54	0. 00	0. 00
γ 46. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 37	0. 00	0. 00



**Photometric Filename:ML-0412.IES**

### Candela Tabulation - (Cont.)

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**Photometric Filename:ML-0412.IES**

### Candela Tabulation - (Cont.)

[illegible]

**Photometric Filename:ML-0412.IES**

## Candela Tabulation - (Cont.)

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