

Report No.:

Test Time: 2025-01-11 19:00:38

LUMINAIRE PHOTOMETRIC TEST REPORT

Luminaire Property

Manufacturer: Azarteyf Lighting Co.
Luminaire Type: Azarteyf SR-1800LM
Lamp Type:
Luminous Width: 80 mm
Luminous Length: 80 mm
Luminous Height: 80 mm

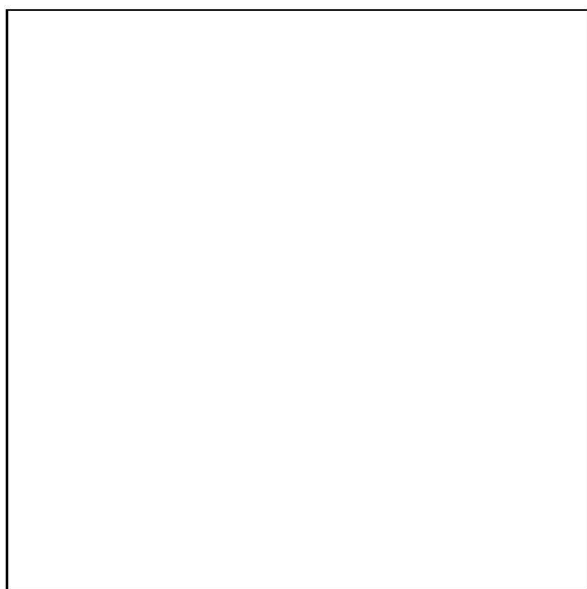
Voltage(V): 0.00 V
Current(A): 0.0000 A
Power(W): 0.00 W
Power Factor: 0.0000
Lamp Luminous Flux: 1731.23

Photometric Results

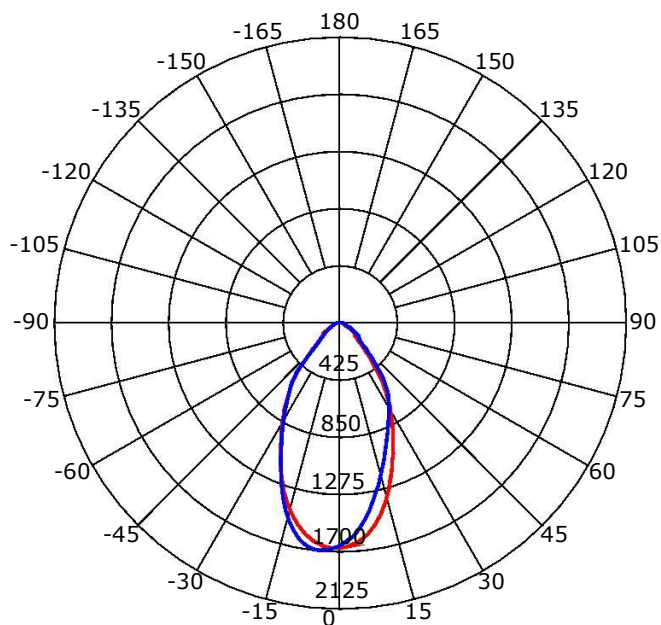
CIE Class: Direct
Luminaire Luminous Flux: 1731.225
Downward Ratio: 100.00%
Luminaire Efficacy Rating(LER): -1.00 lm/W
Beam Angle(50%) C0-180,C90-270: 58.2,54.8
Field Angle(10%) C0-180,C90-270: 99.6,103.7

Max. Intensity: 1705.57 cd
Max.Intensity Angle: C=270 Gamma=5
Upward Ratio: 0.00%
Efficacy: 100.00%
Center Intensity: 1680.25 cd
Effective Luminous Flux: 1615.48 lm

Picture of Luminaire



Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 58.2 deg,54.8 deg

C0-180 — C90-270 —

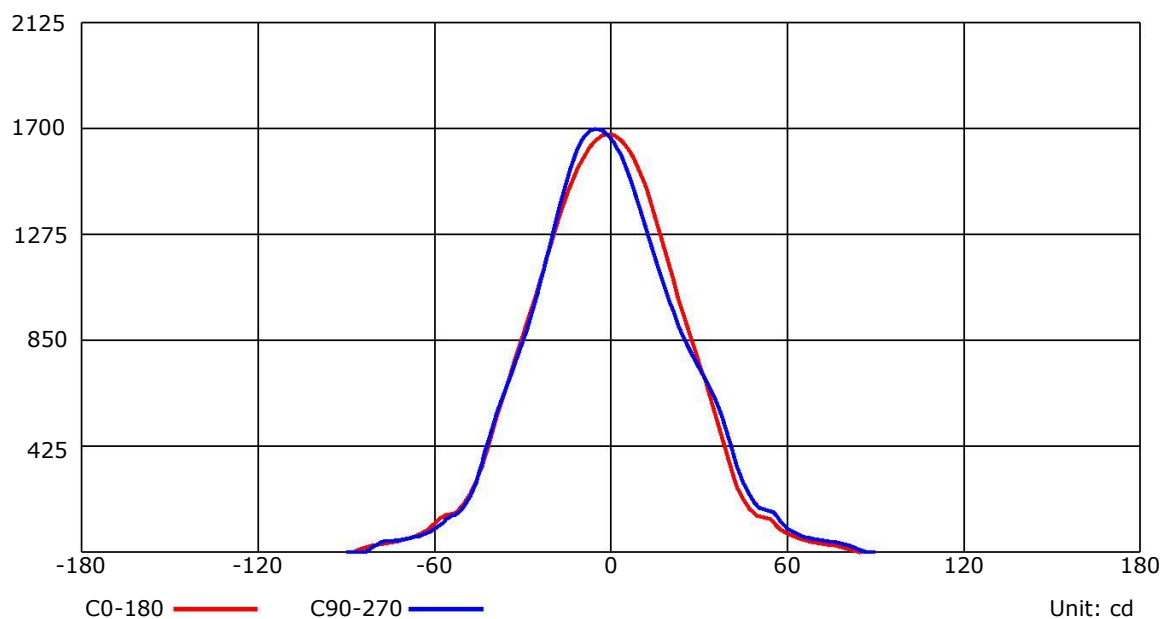
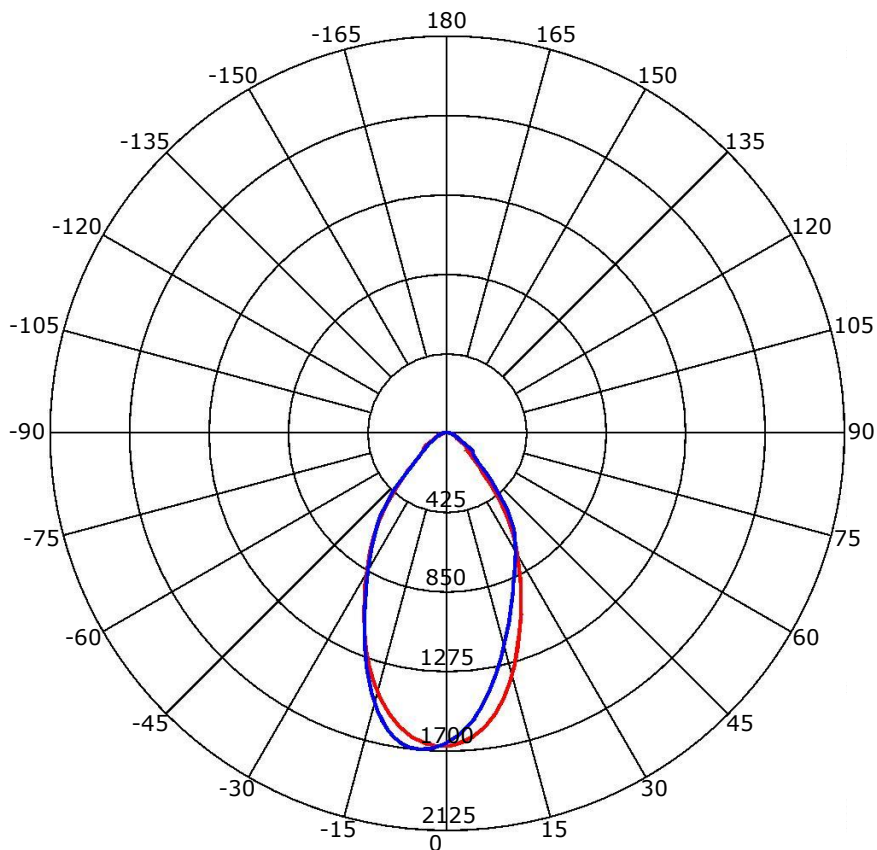
C Range: 0 - 360 Deg
C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
Test Date: 2025-01-11 19:00:38

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.113 m
Remarks:

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Luminous Intensity Distribution Curve



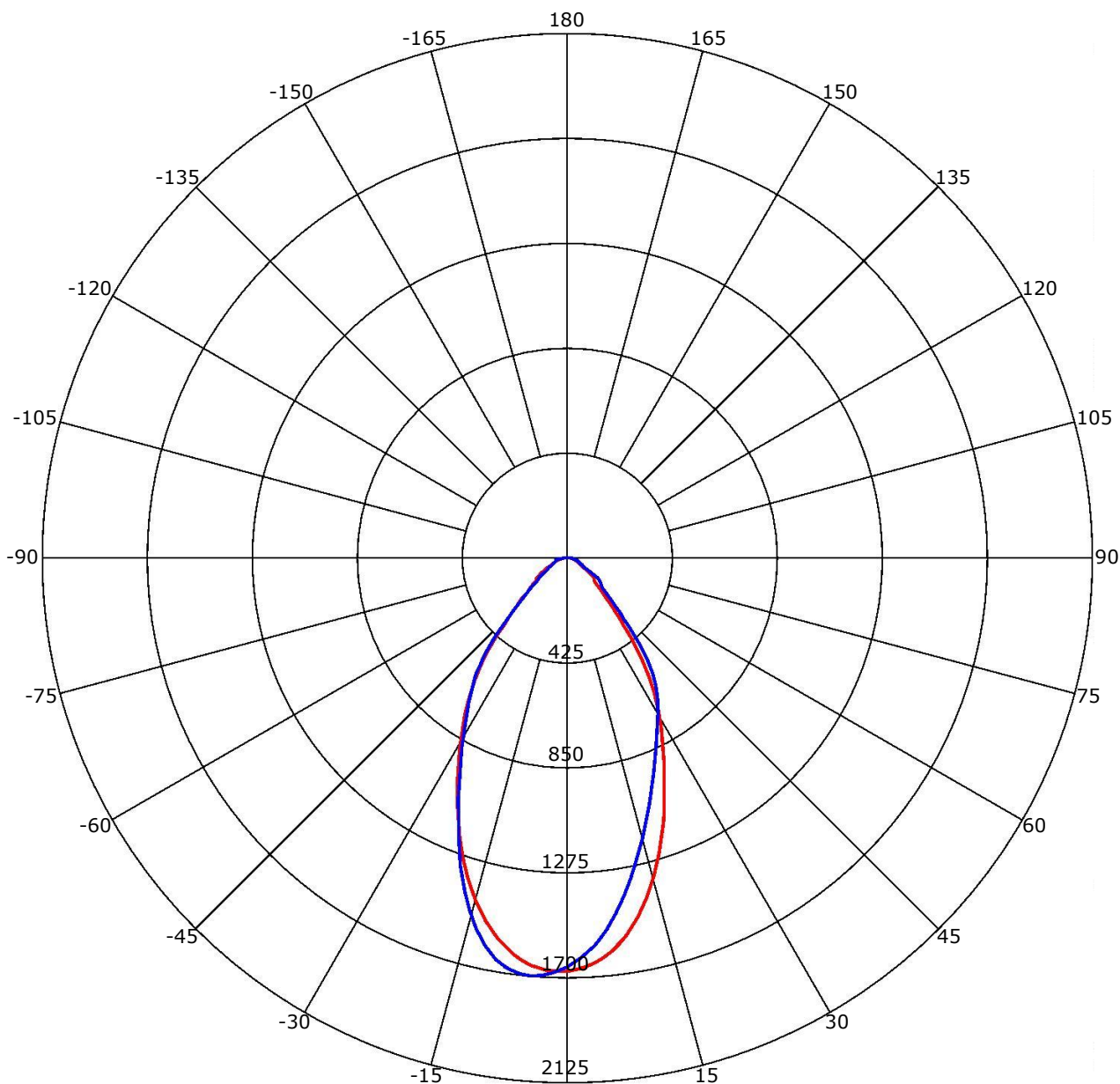
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Luminous Intensity Distribution Curve



C0-180 — C90-270 —

Unit: cd/klm

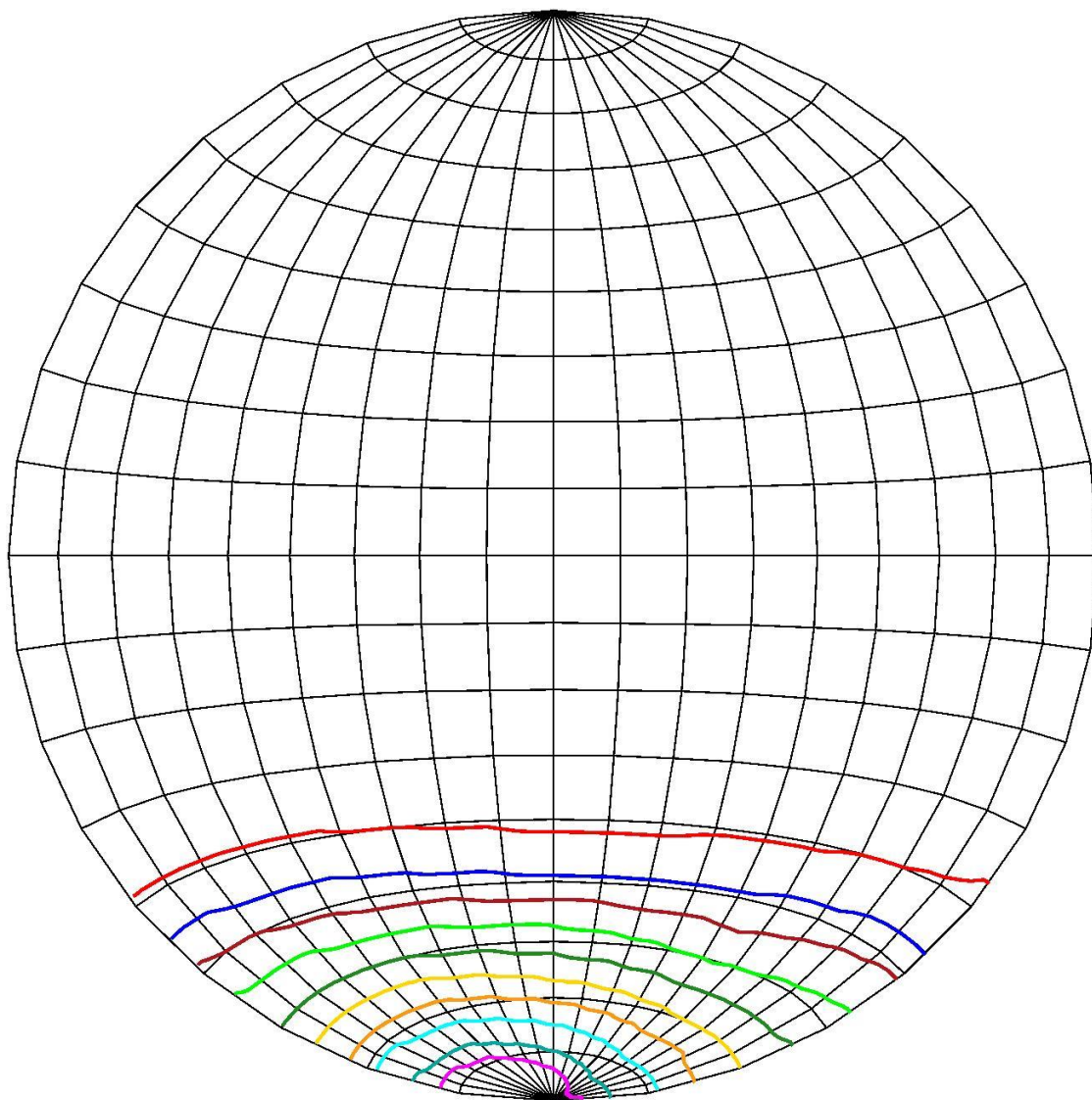
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ISOCANDELA DIAGRAM (SPHERE)



Unit of intensity:cd I_{max}(100%): 1319.566 cd

1253.588(95%I _{max})	659.783(50%I _{max})
1187.609(90%I _{max})	527.826(40%I _{max})
1055.653(80%I _{max})	395.87(30%I _{max})
923.696(70%I _{max})	263.913(20%I _{max})
791.74(60%I _{max})	131.957(10%I _{max})

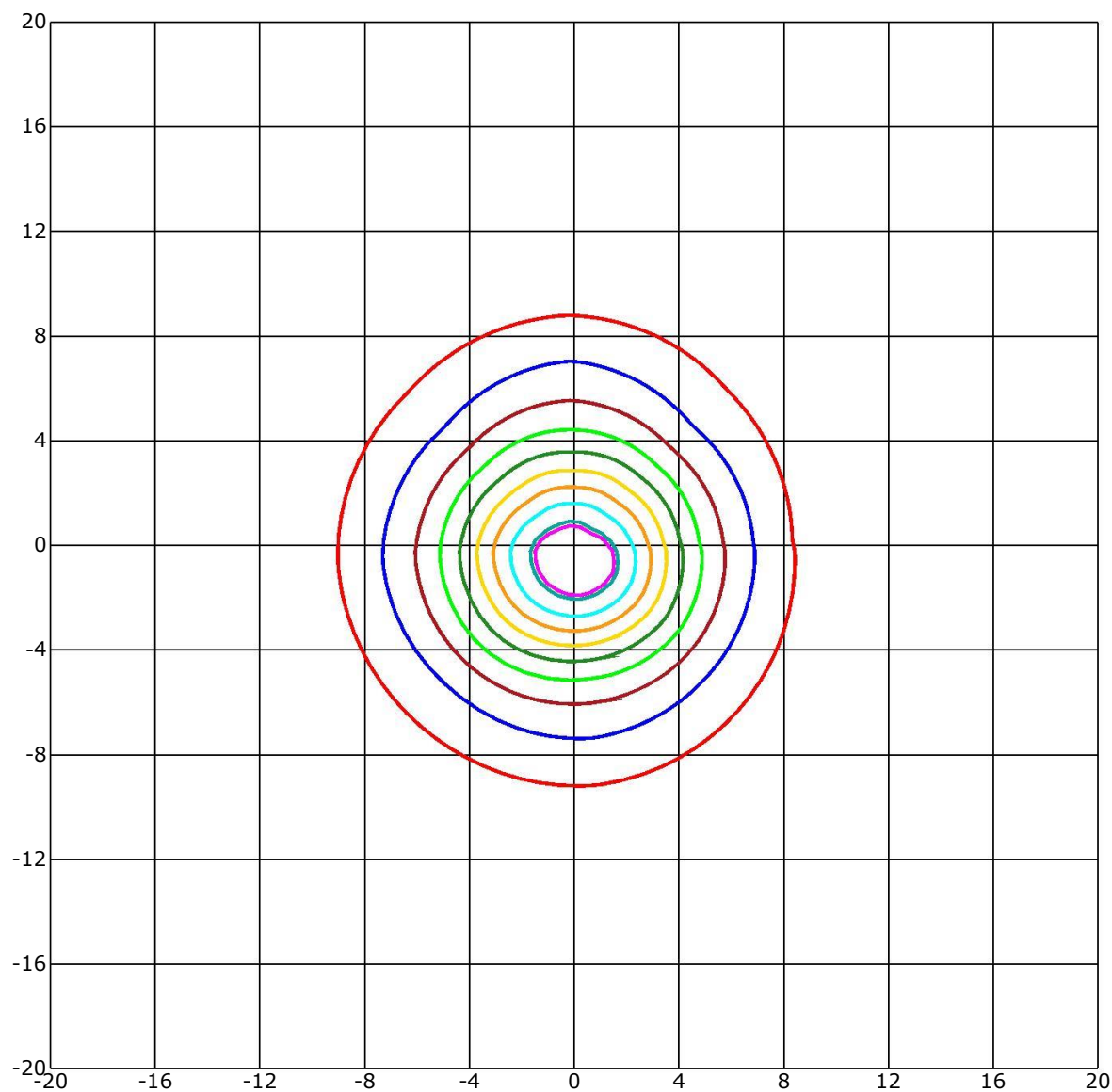
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ISOLX DIAGRAM



Unit of illumination:lx Height of plane:10.0(m)/32.81(ft)

12.034(1%Emax)	6.54(0%Emax)
11.773(1%Emax)	5.232(0%Emax)
10.465(1%Emax)	3.924(0%Emax)
9.157(1%Emax)	2.616(0%Emax)
7.849(1%Emax)	1.308(0%Emax)

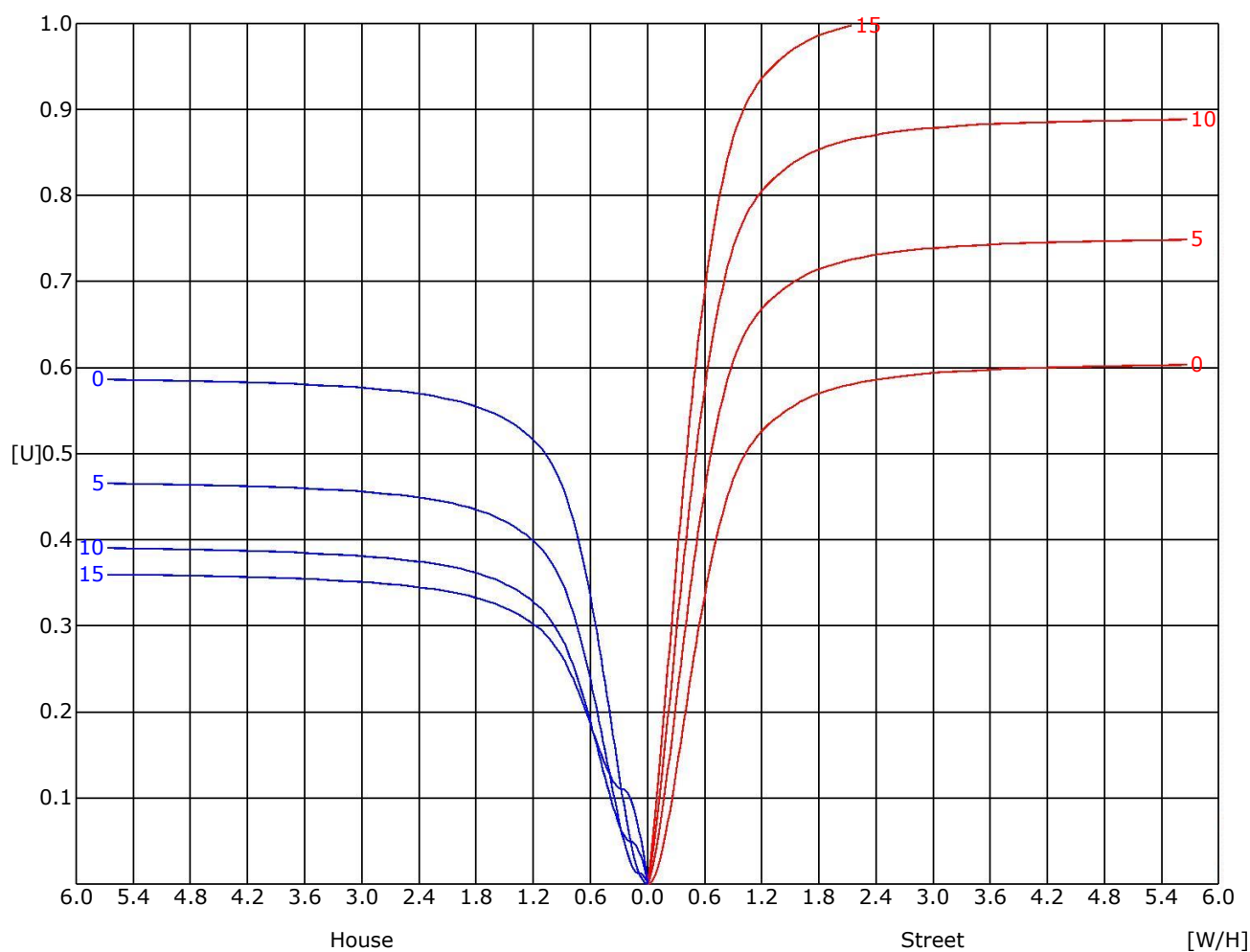
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UTILIZATION FACTOR DIAGRAM (ROAD)



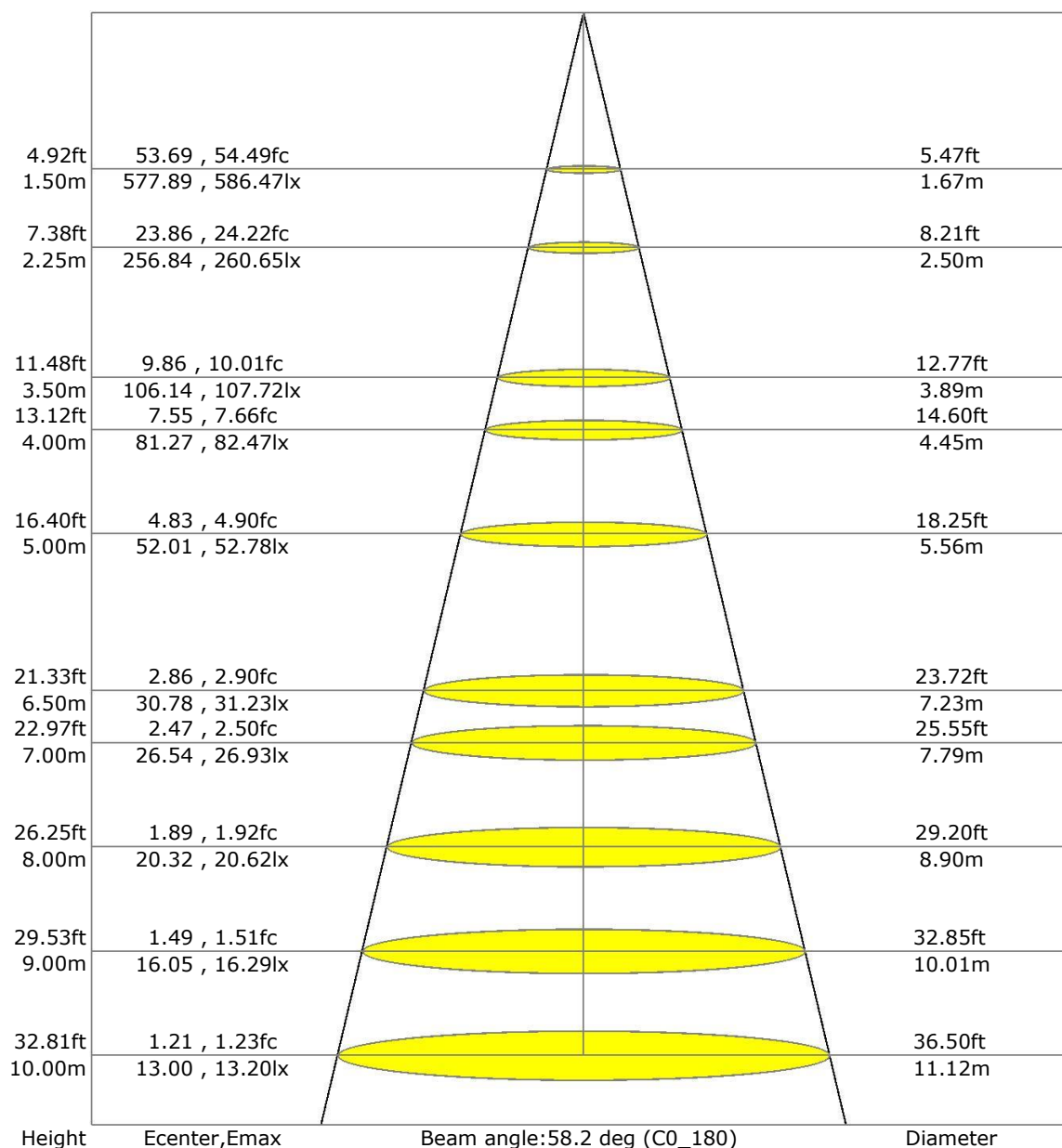
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C Interval: 45.0 Deg
Test Speed: High
Temperature:
Operators:
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G Range: 0 - 90 Deg
G Interval: 1.0 Deg
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Humidity:
Test Distance: 6.113 m
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LX-DISTANCE DIAGRAM



C Range: 0 - 360 Deg
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Test Speed: High
Temperature:
Operators:
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G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.113 m
Remarks:

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UGR(Unified Glare Rating) TABLE

RHOCC	70	70	50	50	30	70	70	50	50	30
RHOW	70	70	50	50	30	70	70	50	50	30
RHOF	20	20	20	20	20	20	20	20	20	20
Room Size X Y	Viewed Endwise					Viewed Crosswise				
2H 2H	19.43	19.49	19.63	19.68	19.92	19.97	20.03	20.17	20.22	20.46
3H	19.46	19.52	19.67	19.71	19.96	19.99	20.04	20.19	20.24	20.48
4H	19.46	19.52	19.67	19.71	19.96	19.97	20.03	20.18	20.23	20.48
6H	19.44	19.50	19.66	19.70	19.95	19.96	20.01	20.17	20.21	20.46
8H	19.43	19.49	19.65	19.69	19.95	19.94	20.00	20.16	20.20	20.46
12H	19.42	19.48	19.64	19.68	19.94	19.93	19.99	20.15	20.19	20.45
4H 2H	20.36	20.42	20.58	20.62	20.87	21.08	21.13	21.29	21.33	21.58
3H	20.47	20.52	20.69	20.73	20.98	21.16	21.21	21.38	21.42	21.68
4H	20.48	20.54	20.71	20.75	21.01	21.16	21.22	21.39	21.43	21.69
6H	20.48	20.54	20.72	20.76	21.02	21.15	21.20	21.38	21.42	21.68
8H	20.47	20.52	20.72	20.75	21.02	21.13	21.18	21.38	21.41	21.67
12H	20.46	20.51	20.71	20.74	21.01	21.12	21.16	21.36	21.40	21.67
8H 4H	20.59	20.65	20.81	20.85	21.10	21.67	21.73	21.89	21.93	22.18
6H	20.77	20.82	21.03	21.06	21.33	21.87	21.92	22.13	22.16	22.43
8H	20.77	20.81	21.03	21.06	21.33	21.86	21.90	22.12	22.15	22.42
12H	20.75	20.79	21.02	21.04	21.32	21.84	21.88	22.11	22.13	22.41
12H 4H	20.75	20.80	21.00	21.03	21.30	21.96	22.01	22.21	22.24	22.51
6H	20.76	20.80	21.02	21.05	21.32	21.96	22.00	22.22	22.25	22.52

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G Range: 0 - 90 Deg
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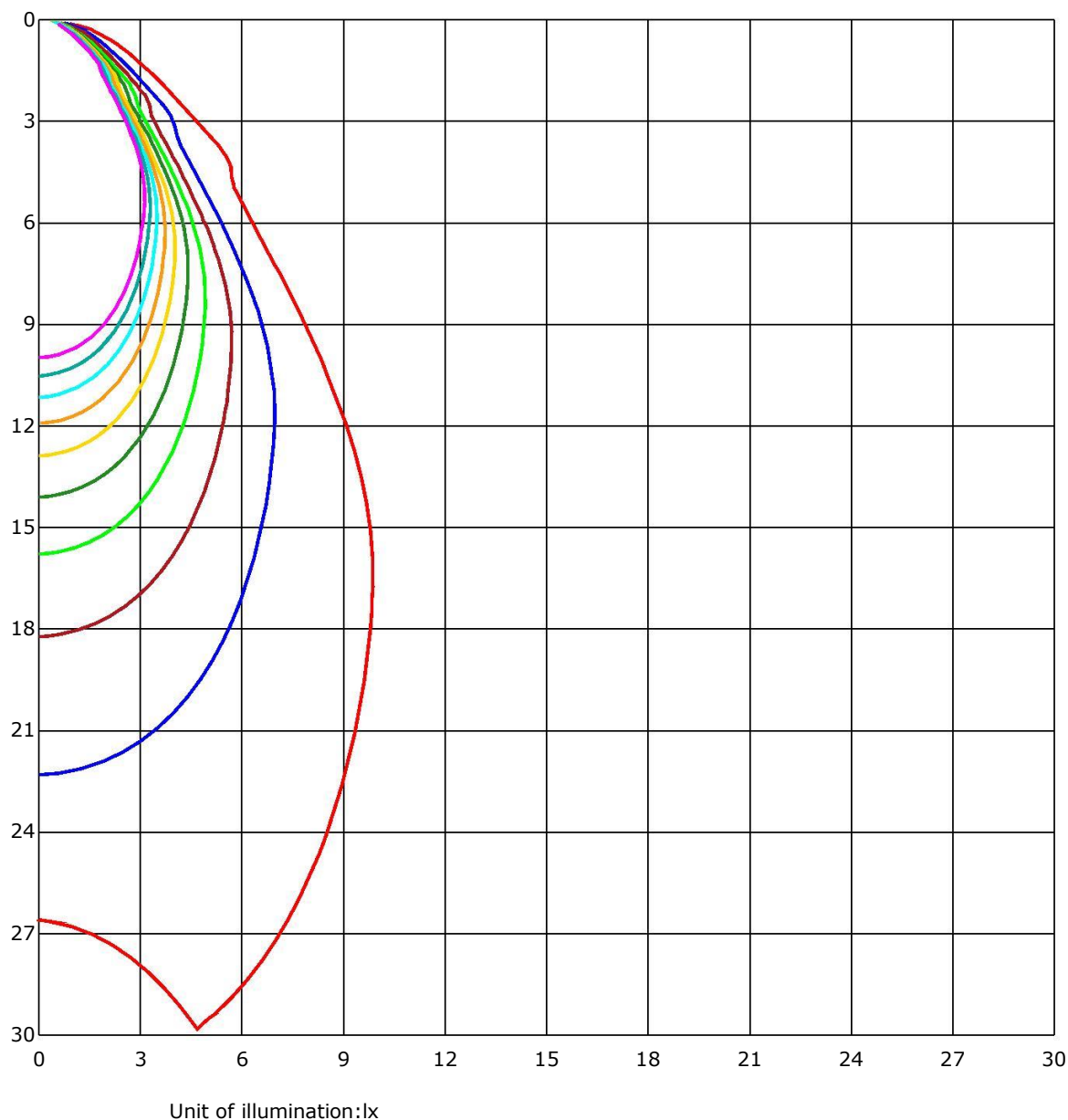
[illegible]

G Range: 0 - 90 Deg
G Interval: 1.0 Deg
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Humidity:
Test Distance: 6.113 m
Remarks:

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SPACE ISOLX DIAGRAM



13.067	6.533
11.76	5.227
10.453	3.92
9.147	2.613
7.84	1.307

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G Range: 0 - 90 Deg
G Interval: 1.0 Deg
Test System: Huipu CPM-1800B Goniophotometer
Humidity:
Test Distance: 6.113 m
Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G0	1680.25	1615.48	1663.38	1631.6					1680.25	
G1	1677.29	1604.53	1660.42	1620.25					1677.29	
G2	1672.51	1592.13	1655.66	1607.14					1672.51	
G3	1665.86	1578.26	1648.25	1593.35					1665.86	
G4	1657.23	1562.01	1640.79	1577.62					1657.23	
G5	1647.61	1543.44	1630.97	1558.94					1647.61	
G6	1635.87	1522.73	1618.23	1537.29					1635.87	
G7	1620.78	1500.54	1603.55	1515.28					1620.78	
G	1603.62	1478.47	1586.77	1492.26					1603.62	
G9	1581.59	1452.91	1565.01	1466.45					1581.59	
G10	1559.58	1425.56	1543.42	1440.41					1559.58	
G11	1536.45	1397.68	1520.23	1410.35					1536.45	
G12	1511.3	1369.5	1495.29	1382.92					1511.3	
G13	1484.55	1341.81	1469.34	1354.17					1484.55	
G14	1455.55	1312.96	1440.37	1325.18					1455.55	
G15	1425.13	1283.53	1410.11	1295.37					1425.13	
G16	1394.3	1254.3	1380.01	1266.53					1394.3	
G17	1362.84	1224.78	1348.84	1236.64					1362.84	
G18	1330.51	1195.6	1316.04	1206.46					1330.51	
G19	1297.29	1166.26	1284.87	1177.59					1297.29	
G20	1264.37	1136.63	1251.2	1147.08					1264.37	
G21	1230.89	1106.51	1217.38	1117.58					1230.89	
G22	1198.11	1077.09	1186.09	1087.59					1198.11	
G23	1166.24	1048.65	1154.25	1058.9					1166.24	
G24	1134.89	1019.65	1122.39	1029.66					1134.89	
G25	1104.66	989.21	1092.8	998.13					1104.66	
G26	1075.54	961.14	1064.07	970.25					1075.54	
G27	1047.29	931.48	1036.65	940.53					1047.29	
G28	1019.41	901.19	1008.27	910.77					1019.41	
G29	992.47	843.53	982.97	851.0					992.47	
G30	965.82	816.79	955.59	824.98					965.82	
G31	939.07	789.54	929.78	796.61					939.07	
G32	911.9	762.56	901.63	769.68					911.9	
G33	883.42	734.88	874.97	741.33					883.42	
G34	854.24	704.94	845.14	711.28					854.24	
G35	822.89	676.12	813.05	682.08					822.89	
G36	790.79	648.37	782.71	654.85					790.79	

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LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 1)

Gamma\C	C0	C45	C90	C135	C180	C225	C270	C315	C360	
G37	376.68	346.45	439.98	390.73	481.46	458.22	486.13	425.56	376.68	
G38	342.71	325.07	413.78	367.71	453.99	429.11	461.73	395.21	342.71	
G39	309.41	304.48	383.18	345.7	424.62	400.56	434.94	366.55	309.41	
G40	277.91	283.52	351.49	322.79	392.22	373.73	405.97	340.17	277.91	
G41	249.96	261.13	320.4	300.37	359.11	348.39	375.89	315.36	249.96	
G42	224.14	238.6	290.65	279.29	326.23	323.88	344.02	292.07	224.14	
G43	200.89	216.07	262.89	256.87	294.88	300.33	310.39	269.2	200.89	
G44	181.24	195.03	237.74	234.49	267.49	276.16	276.87	244.88	181.24	
G45	164.01	176.57	216.4	213.26	242.45	251.38	244.62	220.33	164.01	
G46	149.03	160.5	197.46	192.71	220.14	227.91	215.88	197.46	149.03	
G47	136.21	147.57	179.89	174.62	200.63	205.23	192.3	176.6	136.21	
G48	126.04	136.58	164.24	159.42	182.06	185.24	173.13	159.68	126.04	
G49	117.6	126.12	151.19	146.26	165.54	167.41	156.31	145.48	117.6	
G50	112.55	116.4	141.25	135.27	151.79	152.13	142.6	134.12	112.55	
G51	110.35	108.71	136.43	125.82	140.43	139.31	131.16	124.96	110.35	
G52	110.01	102.17	133.93	116.44	130.19	128.77	122.94	116.7	110.01	
G53	108.44	97.08	131.46	108.74	122.83	119.95	117.04	109.79	108.44	
G54	104.97	92.79	129.3	102.54	119.28	112.82	113.6	103.85	104.97	
G55	96.64	89.01	125.37	97.42	118.16	106.39	109.79	98.84	96.64	
G56	86.32	85.84	116.74	93.38	116.52	100.37	103.66	94.36	86.32	
G57	76.57	83.37	104.41	89.72	113.08	95.4	94.47	89.98	76.57	
G58	68.91	79.56	91.4	87.07	107.66	91.22	85.46	86.1	68.91	
G59	63.0	74.63	79.74	83.97	99.59	87.29	77.54	81.76	63.0	
G60	58.0	70.03	71.34	79.86	89.95	83.89	71.52	77.54	58.0	
G61	53.25	65.84	65.54	74.66	80.6	79.63	66.85	73.54	53.25	
G62	49.1	61.99	61.02	70.07	73.02	75.26	62.56	69.66	49.1	
G63	45.66	58.26	56.69	65.99	67.0	71.37	58.48	65.77	45.66	
G64	42.49	54.15	52.88	61.96	61.88	67.71	55.08	62.07	42.49	
G65	39.69	50.6	49.78	58.33	57.21	63.9	52.09	58.44	39.69	
G66	37.33	47.2	46.97	55.12	53.1	60.39	49.48	55.19	37.33	
G67	35.05	43.76	44.21	51.83	49.48	57.14	47.23	51.68	35.05	
G68	32.96	40.1	41.7	48.62	46.15	54.0	45.37	47.83	32.96	
G69	31.02	36.02	39.46	44.81	43.16	50.97	43.42	43.91	31.02	
G70	29.33	31.73	37.63	40.99	40.4	47.79	41.55	39.72	29.33	
G71	27.69	27.88	35.99	36.88	37.89	44.32	39.69	35.5	27.69	
G72	26.31	24.36	34.38	32.59	35.87	40.43	38.15	31.5	26.31	
G73	24.92	21.45	32.85	28.33	33.71	36.4	36.92	28.1	24.92	

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C Interval: 45.0 Deg

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G Range: 0 - 90 Deg

G Interval: 1.0 Deg

Test System: Huipu CPM-1800B Goniophotometer

Humidity:

Test Distance: 6.113 m

Remarks:



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LUMINOUS DISTRIBUTION INTENSITY DATA(Continue 2)

[illegible]

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Temperature:
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