Luminaire Property

Luminaire: RH-PL6060 38W 4000K

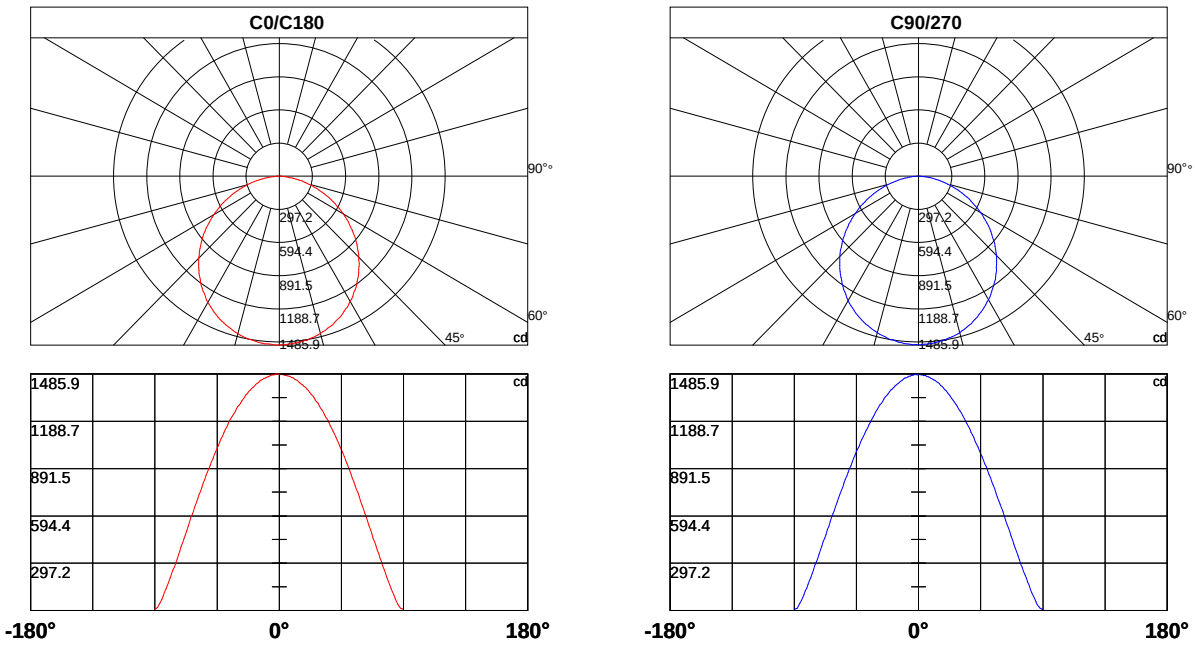
Report NO.:
Test NO.: HLH180119
Lamp:
Sum Lumens: 4274.41 lm
Number of Lamps: 1
Diameter: mm
Length: 595mm
Photometric Type: Type C

Voltage: 221.5 V
Current: 0.176 A
Power: 38.0 W
Power Factor: 0.972
Ballast Type: 1000mA
Width: 595mm
Height: mm
Remark: 三星0.5W SMD2835

Photometric Results

Lumens: 4274.41 lm
Effective luminous flux: 4212.28 lm
Efficiency: 112.4845 lm/W
Central Intensity: 1482.223cd
Maximum Intensity: 1485.927cd
Beam Angle(10%): Left: -80.5 Right:81.4

Angle of maximum intensity: C:135.0 G:1.0
Half Peak Side Angle(50%): Left: -56.8 Right:57.3
Light Out Rate(LOR) : 100.00%
Up Flux Rate: 0.0%
Down Flux Rate: 100.0%



Photometric Data Table [cd]

C\G	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
0.0	1482.2	1483.1	1485.4	1480.7	1478.8	1476.9	1475.2	1471.2	1471.0	1463.6
45.0	1482.2	1483.1	1480.0	1481.2	1476.0	1476.9	1470.5	1467.2	1464.1	1459.1
90.0	1482.2	1483.1	1480.0	1481.2	1476.0	1476.9	1470.5	1467.2	1464.1	1459.1
135.0	1482.2	1485.9	1485.4	1481.4	1479.7	1480.7	1477.6	1473.1	1469.3	1465.8
180.0	1482.2	1485.9	1485.4	1481.4	1479.7	1480.7	1477.6	1473.1	1469.3	1465.8
225.0	1482.2	1481.2	1483.1	1481.6	1477.8	1478.3	1472.2	1472.2	1465.8	1461.3
270.0	1482.2	1481.2	1483.1	1481.6	1477.8	1478.3	1472.2	1472.2	1465.8	1461.3
315.0	1482.2	1483.1	1485.4	1480.7	1478.8	1476.9	1475.2	1471.2	1471.0	1463.6
360.0	1482.2	1483.1	1485.4	1480.7	1478.8	1476.9	1475.2	1471.2	1471.0	1463.6

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	1462.2	1454.9	1449.4	1446.4	1439.3	1430.3	1422.7	1418.9	1407.5	1401.1
45.0	1454.6	1448.2	1445.9	1438.8	1432.1	1425.3	1414.2	1408.5	1399.0	1386.9
90.0	1454.6	1448.2	1445.9	1438.8	1432.1	1425.3	1414.2	1408.5	1399.0	1386.9
135.0	1461.0	1459.1	1453.5	1448.7	1442.3	1432.9	1428.8	1420.8	1409.9	1402.5
180.0	1461.0	1459.1	1453.5	1448.7	1442.3	1432.9	1428.8	1420.8	1409.9	1402.5
225.0	1460.3	1454.4	1446.1	1439.5	1432.6	1425.8	1418.2	1410.8	1401.4	1391.9
270.0	1460.3	1454.4	1446.1	1439.5	1432.6	1425.8	1418.2	1410.8	1401.4	1391.9
315.0	1462.2	1454.9	1449.4	1446.4	1439.3	1430.3	1422.7	1418.9	1407.5	1401.1
360.0	1462.2	1454.9	1449.4	1446.4	1439.3	1430.3	1422.7	1418.9	1407.5	1401.1

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	1391.9	1382.1	1369.2	1359.4	1351.4	1339.1	1324.4	1311.1	1302.8	1285.8
45.0	1381.2	1367.0	1356.3	1347.3	1332.5	1321.3	1308.5	1295.0	1283.4	1266.4
90.0	1381.2	1367.0	1356.3	1347.3	1332.5	1321.3	1308.5	1295.0	1283.4	1266.4
135.0	1393.3	1383.6	1376.5	1365.3	1355.9	1341.7	1332.5	1317.0	1304.2	1291.0
180.0	1393.3	1383.6	1376.5	1365.3	1355.9	1341.7	1332.5	1317.0	1304.2	1291.0
225.0	1385.0	1374.4	1362.3	1351.2	1341.7	1329.8	1313.5	1302.6	1291.7	1277.2
270.0	1385.0	1374.4	1362.3	1351.2	1341.7	1329.8	1313.5	1302.6	1291.7	1277.2
315.0	1391.9	1382.1	1369.2	1359.4	1351.4	1339.1	1324.4	1311.1	1302.8	1285.8
360.0	1391.9	1382.1	1369.2	1359.4	1351.4	1339.1	1324.4	1311.1	1302.8	1285.8

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	1272.0	1260.2	1245.5	1225.9	1210.2	1198.2	1181.6	1160.9	1142.7	1127.4
45.0	1254.0	1240.5	1225.2	1205.5	1189.6	1174.7	1157.2	1142.0	1120.7	1101.5
90.0	1254.0	1240.5	1225.2	1205.5	1189.6	1174.7	1157.2	1142.0	1120.7	1101.5
135.0	1281.3	1266.6	1248.8	1233.7	1220.2	1204.1	1189.9	1172.1	1152.2	1136.1
180.0	1281.3	1266.6	1248.8	1233.7	1220.2	1204.1	1189.9	1172.1	1152.2	1136.1
225.0	1262.8	1247.2	1228.9	1215.0	1201.2	1181.8	1167.1	1146.5	1131.1	1112.6
270.0	1262.8	1247.2	1228.9	1215.0	1201.2	1181.8	1167.1	1146.5	1131.1	1112.6
315.0	1272.0	1260.2	1245.5	1225.9	1210.2	1198.2	1181.6	1160.9	1142.7	1127.4
360.0	1272.0	1260.2	1245.5	1225.9	1210.2	1198.2	1181.6	1160.9	1142.7	1127.4

Photometric Data Table [cd]

C\G	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	1110.7	1088.7	1069.1	1052.0	1027.9	1009.9	990.9	966.8	944.5	924.6
45.0	1085.4	1062.2	1046.1	1028.1	1005.1	986.7	965.3	943.8	921.1	902.6
90.0	1085.4	1062.2	1046.1	1028.1	1005.1	986.7	965.3	943.8	921.1	902.6
135.0	1117.8	1095.4	1079.2	1059.4	1038.5	1021.0	997.6	978.8	956.3	934.8
180.0	1117.8	1095.4	1079.2	1059.4	1038.5	1021.0	997.6	978.8	956.3	934.8
225.0	1093.7	1076.6	1057.2	1033.8	1016.7	998.5	977.2	955.6	933.6	908.5
270.0	1093.7	1076.6	1057.2	1033.8	1016.7	998.5	977.2	955.6	933.6	908.5
315.0	1110.7	1088.7	1069.1	1052.0	1027.9	1009.9	990.9	966.8	944.5	924.6
360.0	1110.7	1088.7	1069.1	1052.0	1027.9	1009.9	990.9	966.8	944.5	924.6

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	898.8	878.2	855.9	831.3	809.7	782.3	760.5	738.9	714.1	685.9
45.0	879.2	853.8	833.7	809.5	789.6	765.7	738.9	713.8	688.7	667.7
90.0	879.2	853.8	833.7	809.5	789.6	765.7	738.9	713.8	688.7	667.7
135.0	912.1	891.9	869.2	848.6	821.8	800.7	773.3	749.1	727.1	702.5
180.0	912.1	891.9	869.2	848.6	821.8	800.7	773.3	749.1	727.1	702.5
225.0	891.9	867.0	843.4	822.5	799.8	771.8	754.8	727.3	705.3	680.9
270.0	891.9	867.0	843.4	822.5	799.8	771.8	754.8	727.3	705.3	680.9
315.0	898.8	878.2	855.9	831.3	809.7	782.3	760.5	738.9	714.1	685.9
360.0	898.8	878.2	855.9	831.3	809.7	782.3	760.5	738.9	714.1	685.9

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	662.9	637.1	610.8	585.5	559.2	533.4	509.2	483.2	453.6	430.6
45.0	645.8	620.7	593.0	567.0	542.6	519.4	497.4	468.4	442.4	416.9
90.0	645.8	620.7	593.0	567.0	542.6	519.4	497.4	468.4	442.4	416.9
135.0	676.9	654.2	625.5	602.3	580.5	554.0	525.8	501.9	472.9	450.0
180.0	676.9	654.2	625.5	602.3	580.5	554.0	525.8	501.9	472.9	450.0
225.0	652.5	628.1	608.7	583.8	557.7	529.3	506.8	477.2	455.2	431.7
270.0	652.5	628.1	608.7	583.8	557.7	529.3	506.8	477.2	455.2	431.7
315.0	662.9	637.1	610.8	585.5	559.2	533.4	509.2	483.2	453.6	430.6
360.0	662.9	637.1	610.8	585.5	559.2	533.4	509.2	483.2	453.6	430.6

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	407.3	378.2	355.3	326.8	306.9	278.5	256.5	231.6	207.5	180.2
45.0	390.8	372.1	343.6	318.8	293.9	271.7	244.9	223.4	203.2	179.3
90.0	390.8	372.1	343.6	318.8	293.9	271.7	244.9	223.4	203.2	179.3
135.0	427.5	401.9	372.5	350.5	324.0	296.5	270.9	252.7	228.3	203.9
180.0	427.5	401.9	372.5	350.5	324.0	296.5	270.9	252.7	228.3	203.9
225.0	403.8	380.8	352.9	326.8	305.0	283.3	255.1	234.0	209.3	186.6
270.0	403.8	380.8	352.9	326.8	305.0	283.3	255.1	234.0	209.3	186.6
315.0	407.3	378.2	355.3	326.8	306.9	278.5	256.5	231.6	207.5	180.2
360.0	407.3	378.2	355.3	326.8	306.9	278.5	256.5	231.6	207.5	180.2

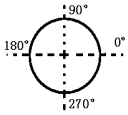
Photometric Data Table [cd]

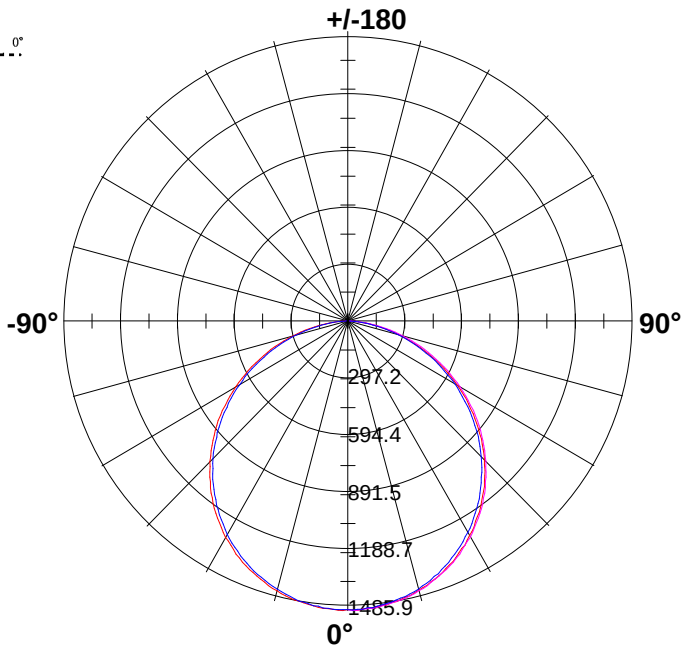
C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	160.3	137.6	118.4	96.6	73.4	56.4	36.5	23.2	13.5	10.0
45.0	156.5	131.2	109.4	91.2	73.7	54.2	36.7	23.5	14.2	10.4
90.0	156.5	131.2	109.4	91.2	73.7	54.2	36.7	23.5	14.2	10.4
135.0	177.1	157.0	135.0	115.6	90.9	70.3	50.9	36.7	20.9	13.2
180.0	177.1	157.0	135.0	115.6	90.9	70.3	50.9	36.7	20.9	13.2
225.0	163.9	140.4	122.2	97.6	80.1	62.5	45.0	28.2	15.1	10.4
270.0	163.9	140.4	122.2	97.6	80.1	62.5	45.0	28.2	15.1	10.4
315.0	160.3	137.6	118.4	96.6	73.4	56.4	36.5	23.2	13.5	10.0
360.0	160.3	137.6	118.4	96.6	73.4	56.4	36.5	23.2	13.5	10.0

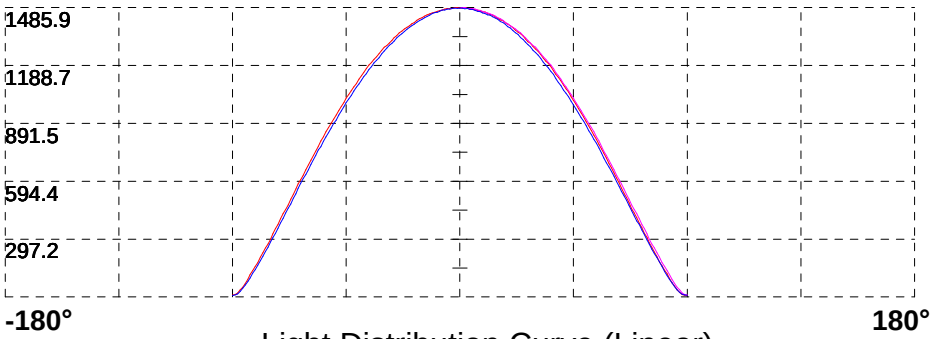
C\G	90.0
0.0	9.3
45.0	8.3
90.0	8.3
135.0	10.9
180.0	10.9
225.0	7.8
270.0	7.8
315.0	9.3
360.0	9.3

Light Distribution Curve [Unit: cd]

Luminaire



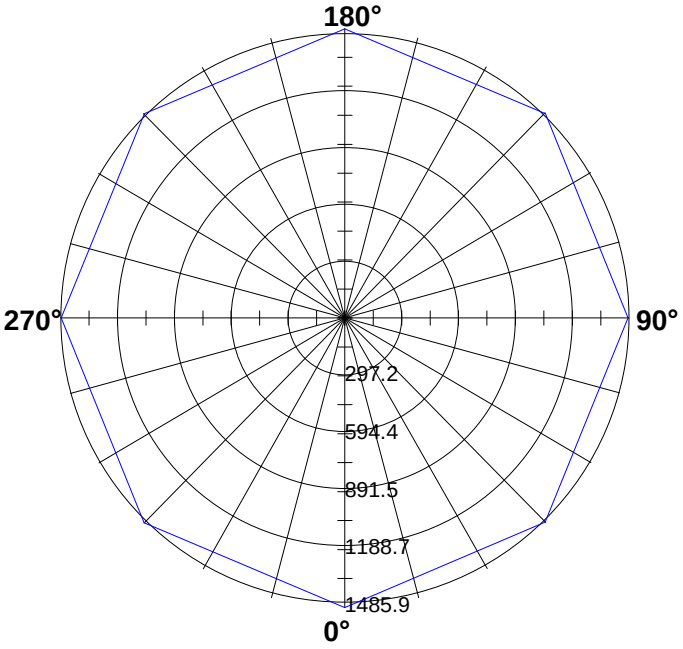


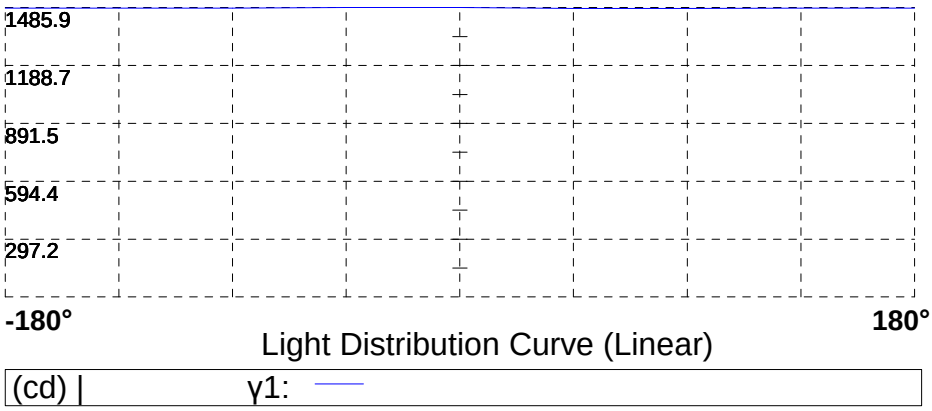


Light Distribution Curve (Linear)

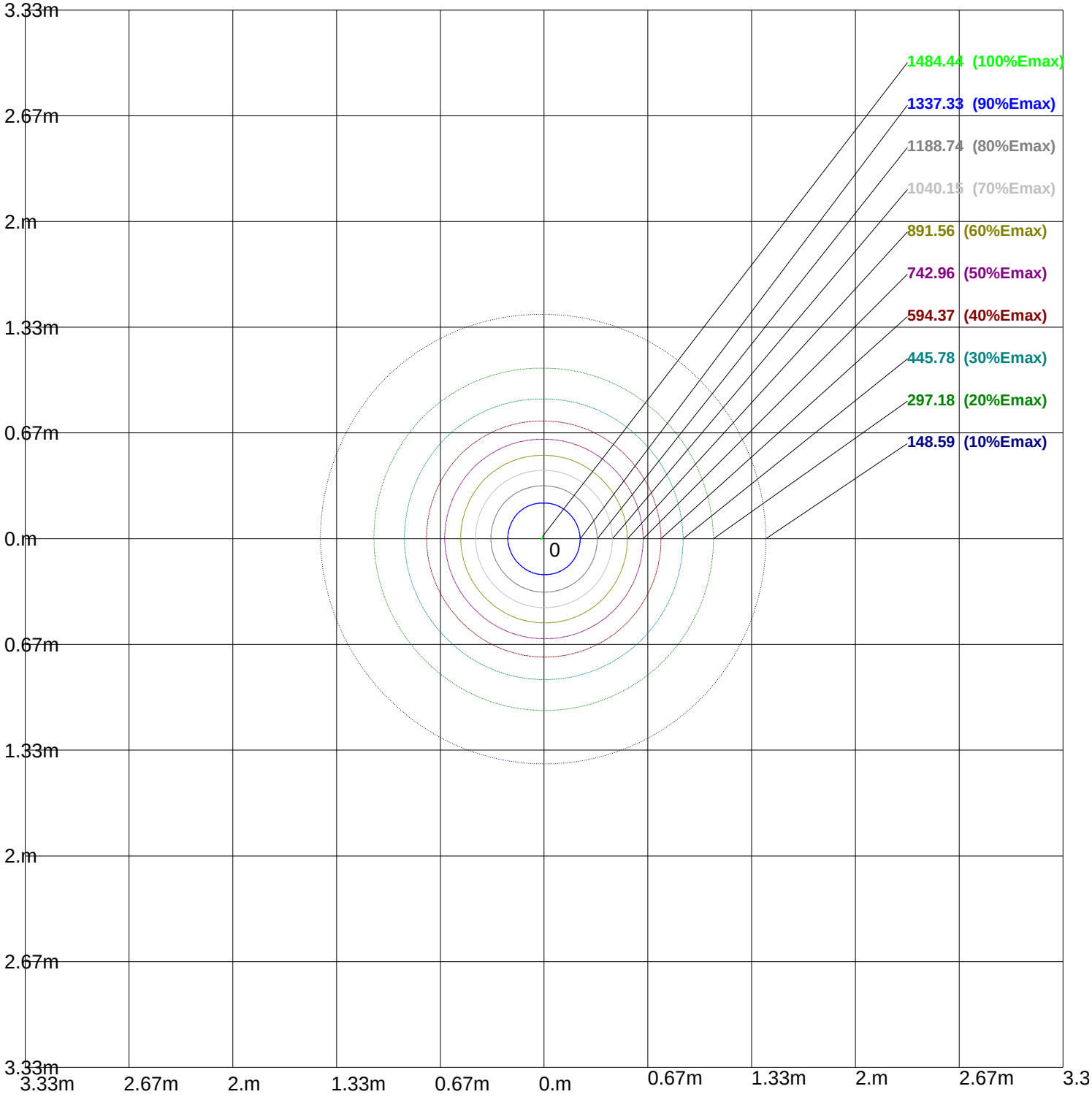
(cd) | C0/C180: C90/C270: C135:

Max Plane Light Distribution Curve [Unit: cd]





Iso-Lux[lx]



Height: 1 m
Max Illuminance : 1485.93lx

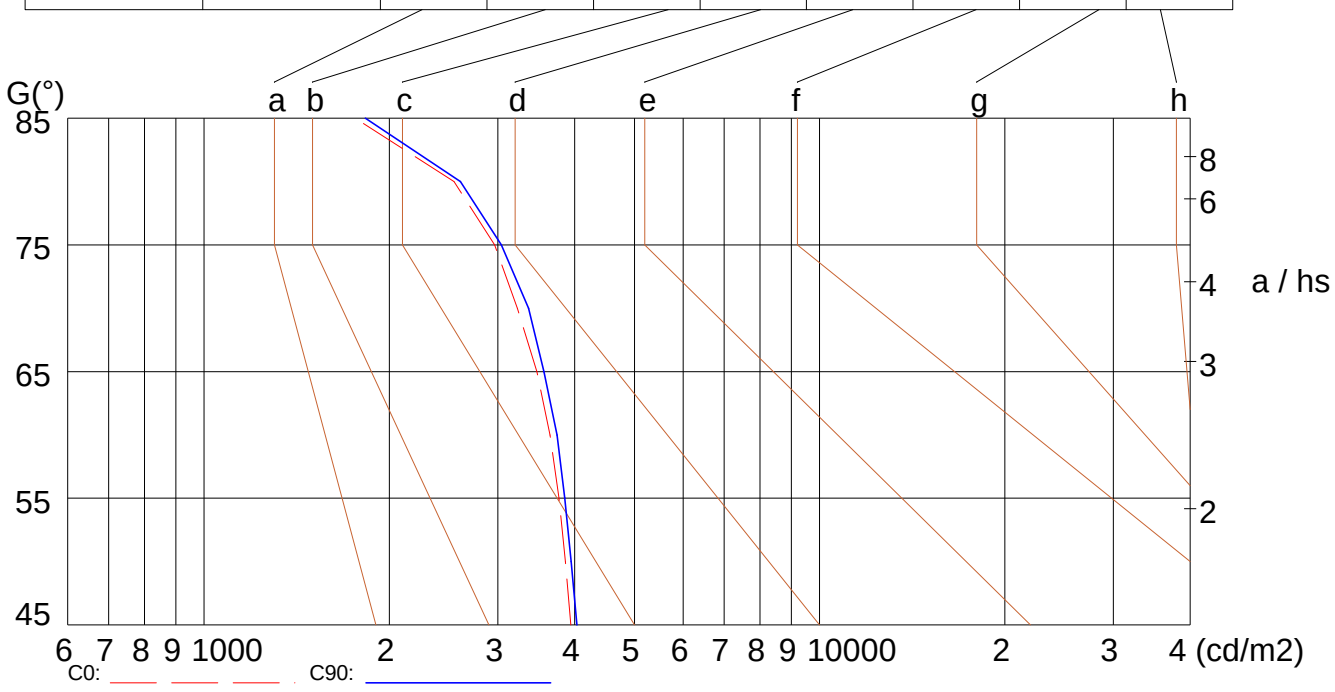
Luminance Limitting Curve

Diameter: mm
Length: 595mm
Width: 595mm
Height: mm

(cd/m2)

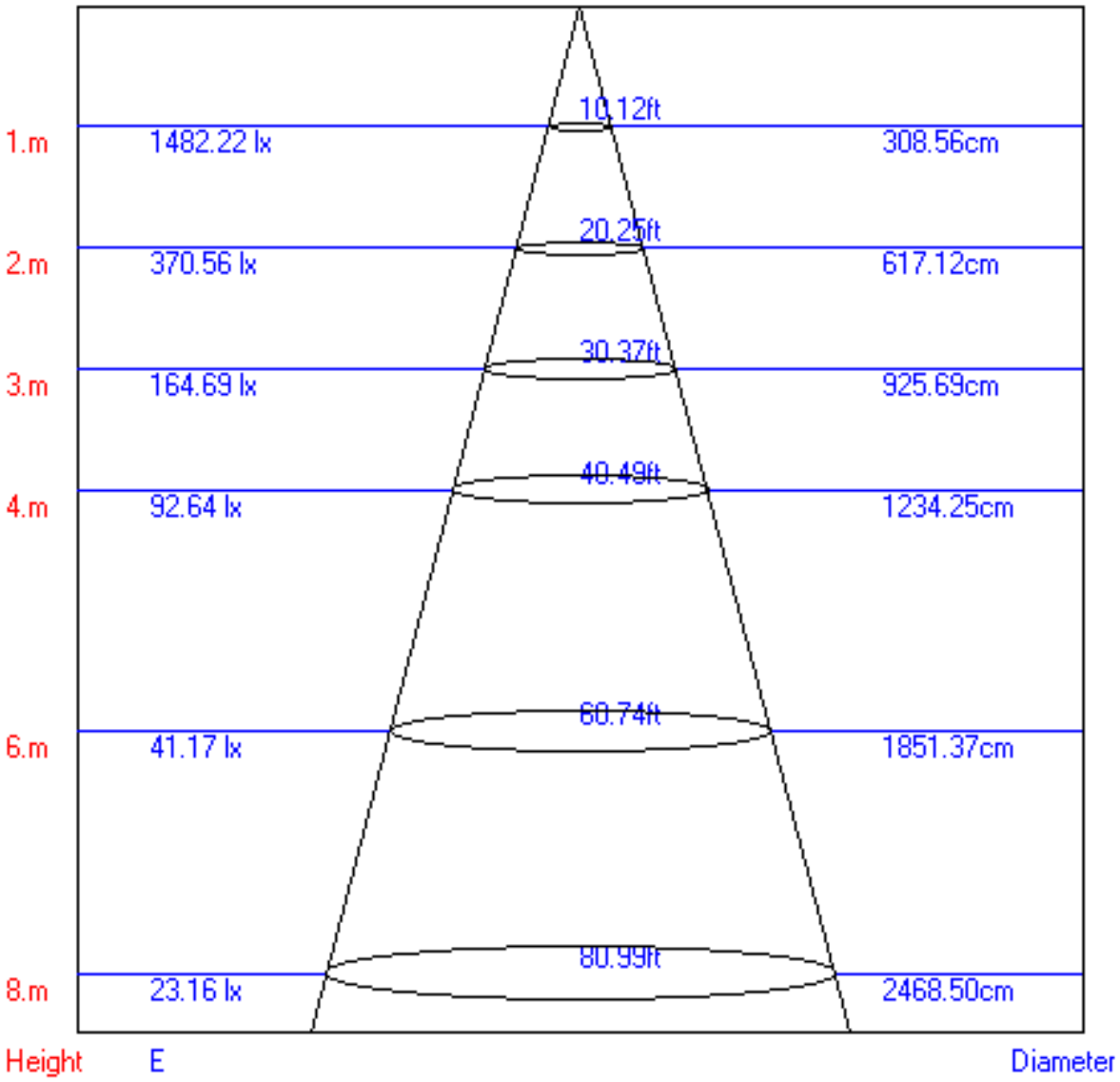
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	3942	3864	3771	3649	3471	3228	2965	2547	1758
C90	4034	3950	3853	3745	3565	3364	3040	2608	1828

Glare	Quality	Service Values Illuminance (lx)							
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					2000	1000	500	≤300



Lum. Limitting Curve (C0/C90)

Lux-Distance Curve

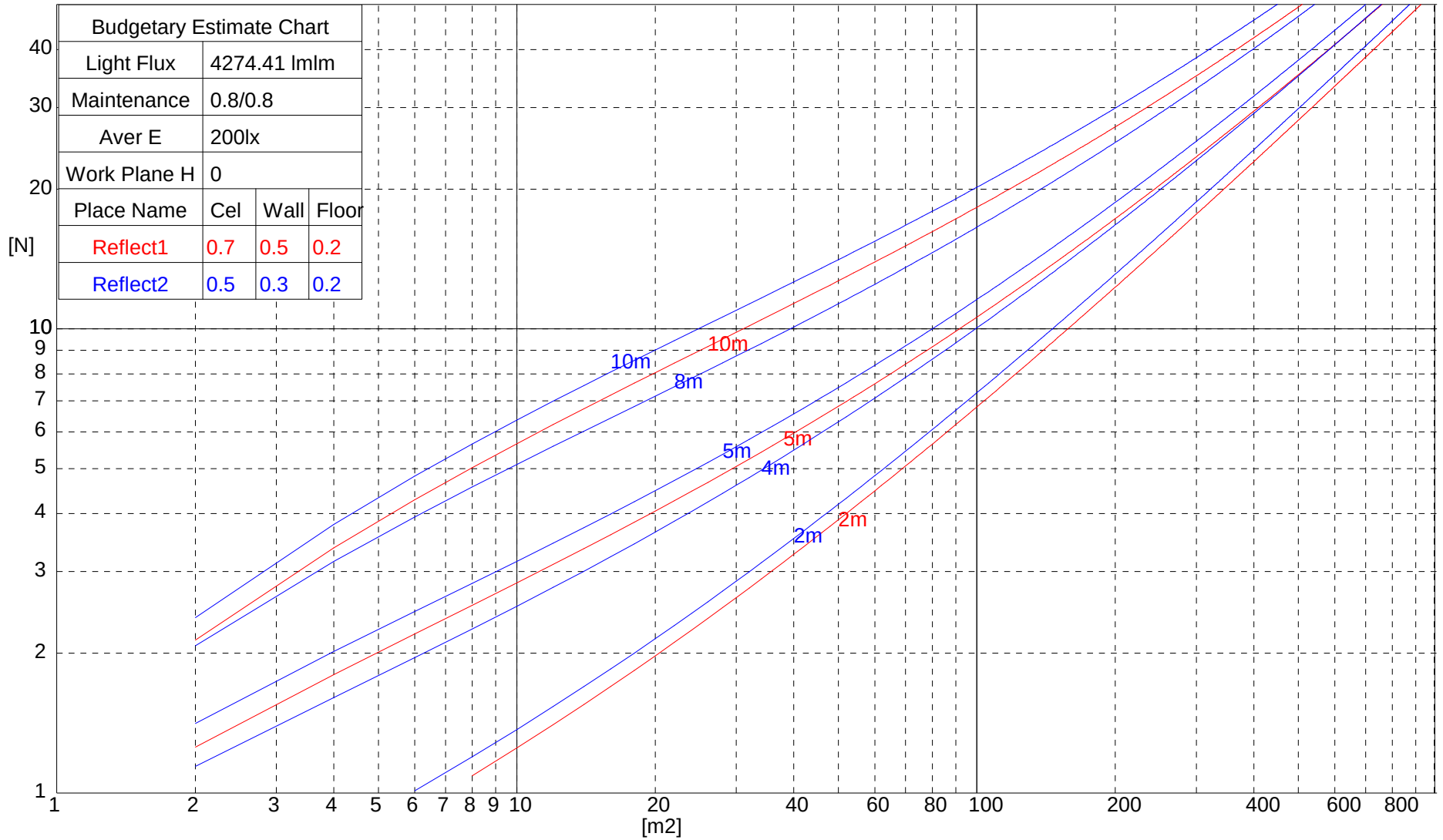


Beam Angle:114.10°

Utilization Coefficient Table

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION FOR RHOFC=20															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.04	1.02	1.01	1.03	1.01	0.99	0.99	0.97	0.95	0.95	0.92	0.90	0.88	0.86	0.84	0.78
2	0.88	0.86	0.84	0.88	0.85	0.82	0.86	0.82	0.79	0.82	0.78	0.75	0.78	0.74	0.70	0.65
3	0.75	0.72	0.70	0.75	0.72	0.69	0.74	0.70	0.66	0.72	0.67	0.63	0.69	0.64	0.59	0.55
4	0.65	0.62	0.60	0.65	0.62	0.59	0.65	0.60	0.57	0.64	0.58	0.54	0.62	0.56	0.51	0.47
5	0.57	0.54	0.52	0.57	0.53	0.51	0.58	0.53	0.49	0.57	0.51	0.47	0.56	0.49	0.44	0.40
6	0.50	0.47	0.45	0.51	0.47	0.44	0.51	0.46	0.43	0.51	0.45	0.41	0.51	0.44	0.39	0.35
7	0.44	0.42	0.40	0.45	0.42	0.39	0.46	0.41	0.38	0.47	0.41	0.36	0.46	0.40	0.34	0.31
8	0.40	0.37	0.36	0.41	0.37	0.35	0.42	0.37	0.34	0.43	0.37	0.32	0.43	0.36	0.31	0.28
9	0.36	0.34	0.32	0.37	0.34	0.31	0.38	0.34	0.30	0.39	0.33	0.29	0.40	0.33	0.28	0.25
10	0.33	0.30	0.29	0.34	0.31	0.29	0.35	0.31	0.27	0.36	0.30	0.26	0.37	0.30	0.25	0.23

Budgetary Estimate Chart			
Light Flux	4274.41 lmlm		
Maintenance	0.8/0.8		
Aver E	200lx		
Work Plane H	0		
Place Name	Cel	Wall	Floor
Reflect1	0.7	0.5	0.2
Reflect2	0.5	0.3	0.2



UGR Glare Index

Ceiling		70	70	50	50	30	70	70	50	50	30
Wall		50	30	50	30	30	50	30	50	30	30
Floor		20	20	20	20	20	20	20	20	20	20
Room Size		Weft to light axis direction of observation					Direction of light axis parallel observation				
X	Y										
2H	2H	14.8	15.9	15.1	15.9	16.3	14.7	15.9	14.9	15.9	16.3
	3H	16.2	17.4	16.7	17.7	18.0	16.2	17.4	16.5	17.9	18.0
	4H	16.9	18.1	17.4	18.6	18.7	17.0	18.0	17.3	18.6	18.8
	6H	17.5	18.5	18.0	18.9	19.0	17.3	18.3	17.8	18.8	19.1
	8H	17.9	18.9	18.2	18.9	19.3	17.8	18.7	18.0	19.0	19.3
	12H	18.0	18.8	18.2	19.3	19.5	17.8	18.6	18.0	19.2	19.5
4H	2H	15.6	16.6	15.9	16.9	17.1	15.6	16.6	15.8	16.8	17.0
	3H	17.5	18.4	17.8	18.3	18.7	17.3	18.2	17.5	18.4	18.8
	4H	18.2	19.0	18.5	19.1	19.5	18.0	18.9	18.4	19.2	19.5
	6H	18.8	19.5	19.2	19.8	20.1	18.8	19.4	19.0	19.7	20.1
	8H	19.0	19.8	19.5	19.9	20.4	19.0	19.6	19.2	19.9	20.3
	12H	19.3	19.9	19.7	20.2	20.4	19.2	19.7	19.6	20.2	20.5
8H	4H	18.6	19.2	18.8	19.4	19.9	18.4	19.0	18.8	19.4	19.8
	6H	19.4	19.8	19.7	20.2	20.7	19.2	19.9	19.7	20.2	20.6
	8H	19.8	20.2	20.1	20.5	20.9	19.6	20.0	20.0	20.5	20.9
	12H	19.9	20.5	20.4	20.7	21.3	19.9	20.4	20.2	20.7	21.1
12H	4H	18.6	19.1	18.9	19.5	19.9	18.4	19.0	18.8	19.6	19.9
	6H	19.6	20.0	19.9	20.2	20.6	19.3	19.8	19.8	20.2	20.7
	8H	19.9	20.4	20.3	20.7	21.1	19.9	20.3	20.2	20.6	21.1