Luminaire Property

Luminaire: RH-PL6262 48W 4000K

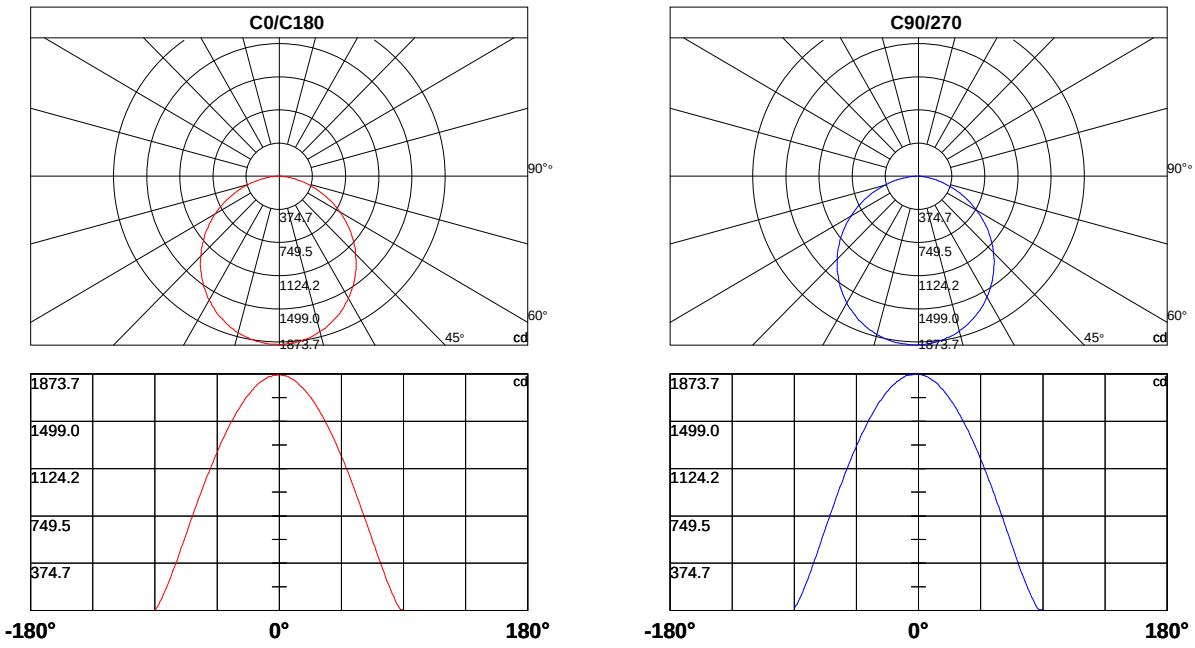
Report NO.:
Test NO.:
Lamp:
Sum Lumens: 5317.31 lm
Number of Lamps: 1
Diameter: mm
Length: 620mm
Photometric Type: Type C

Voltage: 221.7 V
Current: 0.215 A
Power: 47.1 W
Power Factor: 0.988
Ballast Type: 莱福德 1200mA
Width: 620mm
Height: 12mm
Remark: PS+216PCS三星SMD2835 0.5W

Photometric Results

Lumens: 5317.31 lm
Effective luminous flux: 5234.68 lm
Efficiency: 112.8941 lm/W
Central Intensity: 1868.045cd
Maximum Intensity: 1873.691cd
Beam Angle(10%): Left: -82.4 Right:78.7

Angle of maximum intensity: C:225.0 G:1.0
Half Peak Side Angle(50%): Left: -58.3 Right:54.2
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	1868.0	1866.9	1863.8	1860.8	1858.8	1860.2	1853.5	1848.5	1842.3	1835.1
45.0	1868.0	1869.9	1868.4	1863.8	1861.7	1856.2	1853.3	1845.6	1838.9	1834.1
90.0	1868.0	1869.9	1868.4	1863.8	1861.7	1856.2	1853.3	1845.6	1838.9	1834.1
135.0	1868.0	1866.0	1865.1	1864.1	1863.8	1860.0	1854.3	1851.4	1850.0	1841.5
180.0	1868.0	1866.0	1865.1	1864.1	1863.8	1860.0	1854.3	1851.4	1850.0	1841.5
225.0	1868.0	1873.7	1871.7	1873.0	1868.2	1866.9	1867.2	1864.6	1863.6	1860.5
270.0	1868.0	1873.7	1871.7	1873.0	1868.2	1866.9	1867.2	1864.6	1863.6	1860.5
315.0	1868.0	1866.9	1863.8	1860.8	1858.8	1860.2	1853.5	1848.5	1842.3	1835.1
360.0	1868.0	1866.9	1863.8	1860.8	1858.8	1860.2	1853.5	1848.5	1842.3	1835.1

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	1830.3	1822.9	1816.4	1805.6	1794.1	1782.3	1771.5	1766.3	1752.4	1739.4
45.0	1821.6	1819.2	1811.6	1802.5	1791.9	1777.1	1766.3	1755.3	1744.7	1730.1
90.0	1821.6	1819.2	1811.6	1802.5	1791.9	1777.1	1766.3	1755.3	1744.7	1730.1
135.0	1836.5	1827.4	1820.2	1814.2	1807.0	1797.2	1789.8	1774.7	1768.0	1753.3
180.0	1836.5	1827.4	1820.2	1814.2	1807.0	1797.2	1789.8	1774.7	1768.0	1753.3
225.0	1852.3	1848.0	1841.1	1833.7	1824.1	1819.0	1810.7	1797.0	1789.8	1780.2
270.0	1852.3	1848.0	1841.1	1833.7	1824.1	1819.0	1810.7	1797.0	1789.8	1780.2
315.0	1830.3	1822.9	1816.4	1805.6	1794.1	1782.3	1771.5	1766.3	1752.4	1739.4
360.0	1830.3	1822.9	1816.4	1805.6	1794.1	1782.3	1771.5	1766.3	1752.4	1739.4

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	1724.8	1711.2	1697.3	1685.5	1669.9	1652.4	1636.6	1619.9	1597.3	1583.9
45.0	1716.0	1701.4	1686.0	1671.1	1654.8	1640.9	1621.5	1606.4	1587.7	1565.2
90.0	1716.0	1701.4	1686.0	1671.1	1654.8	1640.9	1621.5	1606.4	1587.7	1565.2
135.0	1740.7	1725.3	1711.4	1701.6	1688.6	1672.1	1654.6	1634.5	1621.3	1599.5
180.0	1740.7	1725.3	1711.4	1701.6	1688.6	1672.1	1654.6	1634.5	1621.3	1599.5
225.0	1769.7	1754.3	1743.0	1733.0	1716.2	1699.2	1685.3	1669.5	1657.7	1642.9
270.0	1769.7	1754.3	1743.0	1733.0	1716.2	1699.2	1685.3	1669.5	1657.7	1642.9
315.0	1724.8	1711.2	1697.3	1685.5	1669.9	1652.4	1636.6	1619.9	1597.3	1583.9
360.0	1724.8	1711.2	1697.3	1685.5	1669.9	1652.4	1636.6	1619.9	1597.3	1583.9

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	1560.9	1545.8	1523.5	1505.3	1482.0	1463.3	1440.8	1418.0	1396.0	1371.8
45.0	1546.5	1528.3	1505.3	1484.2	1463.1	1442.9	1423.6	1396.0	1372.9	1349.7
90.0	1546.5	1528.3	1505.3	1484.2	1463.1	1442.9	1423.6	1396.0	1372.9	1349.7
135.0	1584.1	1569.8	1545.5	1524.0	1506.9	1489.7	1465.5	1443.4	1425.0	1397.2
180.0	1584.1	1569.8	1545.5	1524.0	1506.9	1489.7	1465.5	1443.4	1425.0	1397.2
225.0	1625.1	1602.6	1586.0	1568.3	1547.2	1528.3	1511.0	1489.2	1462.4	1440.3
270.0	1625.1	1602.6	1586.0	1568.3	1547.2	1528.3	1511.0	1489.2	1462.4	1440.3
315.0	1560.9	1545.8	1523.5	1505.3	1482.0	1463.3	1440.8	1418.0	1396.0	1371.8
360.0	1560.9	1545.8	1523.5	1505.3	1482.0	1463.3	1440.8	1418.0	1396.0	1371.8

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	1352.1	1325.5	1298.4	1274.0	1244.5	1218.8	1199.9	1172.8	1141.0	1116.3
45.0	1323.4	1302.5	1279.0	1252.7	1224.8	1198.0	1170.7	1146.9	1115.7	1087.7
90.0	1323.4	1302.5	1279.0	1252.7	1224.8	1198.0	1170.7	1146.9	1115.7	1087.7
135.0	1376.1	1354.5	1331.5	1306.6	1279.2	1252.9	1226.5	1203.5	1175.2	1148.8
180.0	1376.1	1354.5	1331.5	1306.6	1279.2	1252.9	1226.5	1203.5	1175.2	1148.8
225.0	1419.9	1399.1	1376.8	1350.7	1325.2	1301.1	1275.4	1252.9	1226.7	1199.2
270.0	1419.9	1399.1	1376.8	1350.7	1325.2	1301.1	1275.4	1252.9	1226.7	1199.2
315.0	1352.1	1325.5	1298.4	1274.0	1244.5	1218.8	1199.9	1172.8	1141.0	1116.3
360.0	1352.1	1325.5	1298.4	1274.0	1244.5	1218.8	1199.9	1172.8	1141.0	1116.3

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	1086.8	1059.9	1033.8	1005.0	971.2	944.6	913.3	881.6	855.0	821.4
45.0	1060.2	1030.7	1003.8	975.8	943.7	914.9	881.1	849.2	822.2	789.3
90.0	1060.2	1030.7	1003.8	975.8	943.7	914.9	881.1	849.2	822.2	789.3
135.0	1120.3	1093.5	1071.7	1043.2	1012.9	980.3	954.2	923.8	895.0	867.9
180.0	1120.3	1093.5	1071.7	1043.2	1012.9	980.3	954.2	923.8	895.0	867.9
225.0	1169.9	1144.1	1118.9	1089.2	1060.2	1028.3	1001.9	975.8	946.1	914.4
270.0	1169.9	1144.1	1118.9	1089.2	1060.2	1028.3	1001.9	975.8	946.1	914.4
315.0	1086.8	1059.9	1033.8	1005.0	971.2	944.6	913.3	881.6	855.0	821.4
360.0	1086.8	1059.9	1033.8	1005.0	971.2	944.6	913.3	881.6	855.0	821.4

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	790.3	761.3	726.8	698.2	666.8	637.1	604.5	569.8	536.7	508.9
45.0	757.4	728.9	693.4	664.2	631.4	600.7	570.2	535.3	505.3	473.4
90.0	757.4	728.9	693.4	664.2	631.4	600.7	570.2	535.3	505.3	473.4
135.0	834.1	804.9	774.5	742.1	715.7	680.7	652.2	616.9	584.1	552.5
180.0	834.1	804.9	774.5	742.1	715.7	680.7	652.2	616.9	584.1	552.5
225.0	882.8	849.0	819.5	786.0	760.5	726.0	695.4	663.0	630.1	599.0
270.0	882.8	849.0	819.5	786.0	760.5	726.0	695.4	663.0	630.1	599.0
315.0	790.3	761.3	726.8	698.2	666.8	637.1	604.5	569.8	536.7	508.9
360.0	790.3	761.3	726.8	698.2	666.8	637.1	604.5	569.8	536.7	508.9

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	477.0	444.4	412.3	384.2	353.3	326.9	296.3	263.4	233.7	209.2
45.0	445.1	413.0	377.5	346.1	316.1	288.1	263.2	230.4	205.4	177.9
90.0	445.1	413.0	377.5	346.1	316.1	288.1	263.2	230.4	205.4	177.9
135.0	524.9	496.4	461.2	430.0	398.3	367.5	340.6	313.5	280.9	254.8
180.0	524.9	496.4	461.2	430.0	398.3	367.5	340.6	313.5	280.9	254.8
225.0	569.2	533.3	500.0	466.9	434.3	406.8	374.9	346.4	311.8	284.5
270.0	569.2	533.3	500.0	466.9	434.3	406.8	374.9	346.4	311.8	284.5
315.0	477.0	444.4	412.3	384.2	353.3	326.9	296.3	263.4	233.7	209.2
360.0	477.0	444.4	412.3	384.2	353.3	326.9	296.3	263.4	233.7	209.2

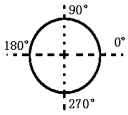
Photometric Data Table [cd]

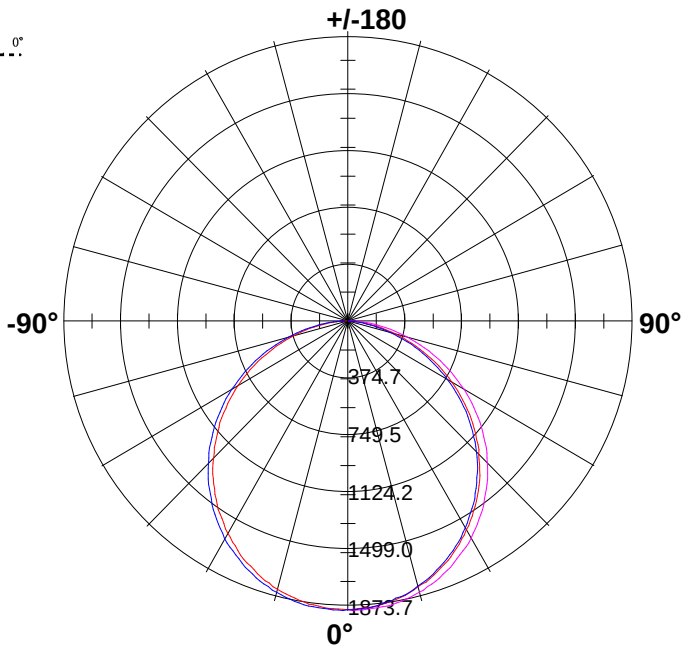
C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	185.8	155.8	129.9	108.1	81.2	59.2	38.6	21.3	7.2	5.5
45.0	151.0	125.6	104.5	81.2	58.7	37.6	19.9	8.6	6.0	4.3
90.0	151.0	125.6	104.5	81.2	58.7	37.6	19.9	8.6	6.0	4.3
135.0	223.6	195.6	172.1	146.5	124.2	96.6	74.3	53.9	32.8	18.7
180.0	223.6	195.6	172.1	146.5	124.2	96.6	74.3	53.9	32.8	18.7
225.0	251.7	228.7	197.5	172.8	143.6	121.3	97.3	73.1	51.1	34.5
270.0	251.7	228.7	197.5	172.8	143.6	121.3	97.3	73.1	51.1	34.5
315.0	185.8	155.8	129.9	108.1	81.2	59.2	38.6	21.3	7.2	5.5
360.0	185.8	155.8	129.9	108.1	81.2	59.2	38.6	21.3	7.2	5.5

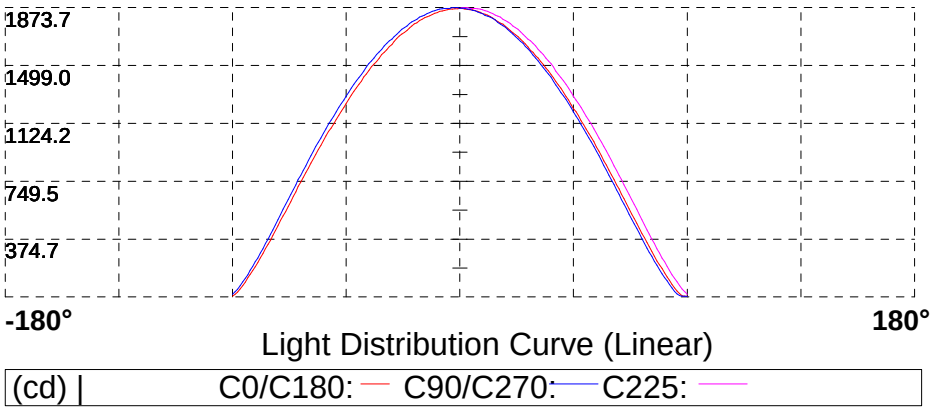
C\G	90.0
0.0	5.0
45.0	3.8
90.0	3.8
135.0	6.0
180.0	6.0
225.0	17.7
270.0	17.7
315.0	5.0
360.0	5.0

Light Distribution Curve [Unit: cd]

Luminaire



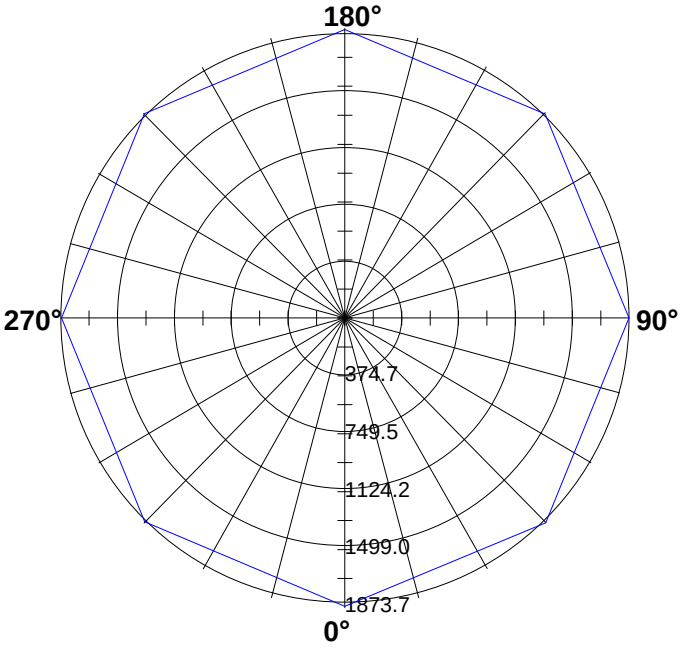


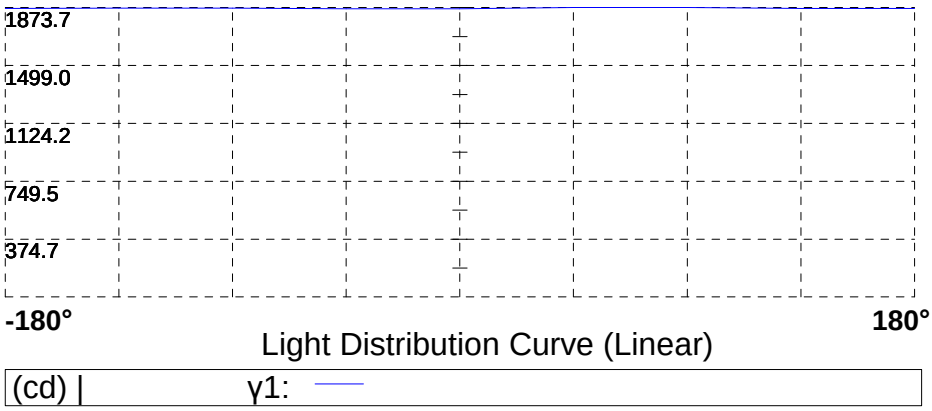


Light Distribution Curve (Linear)

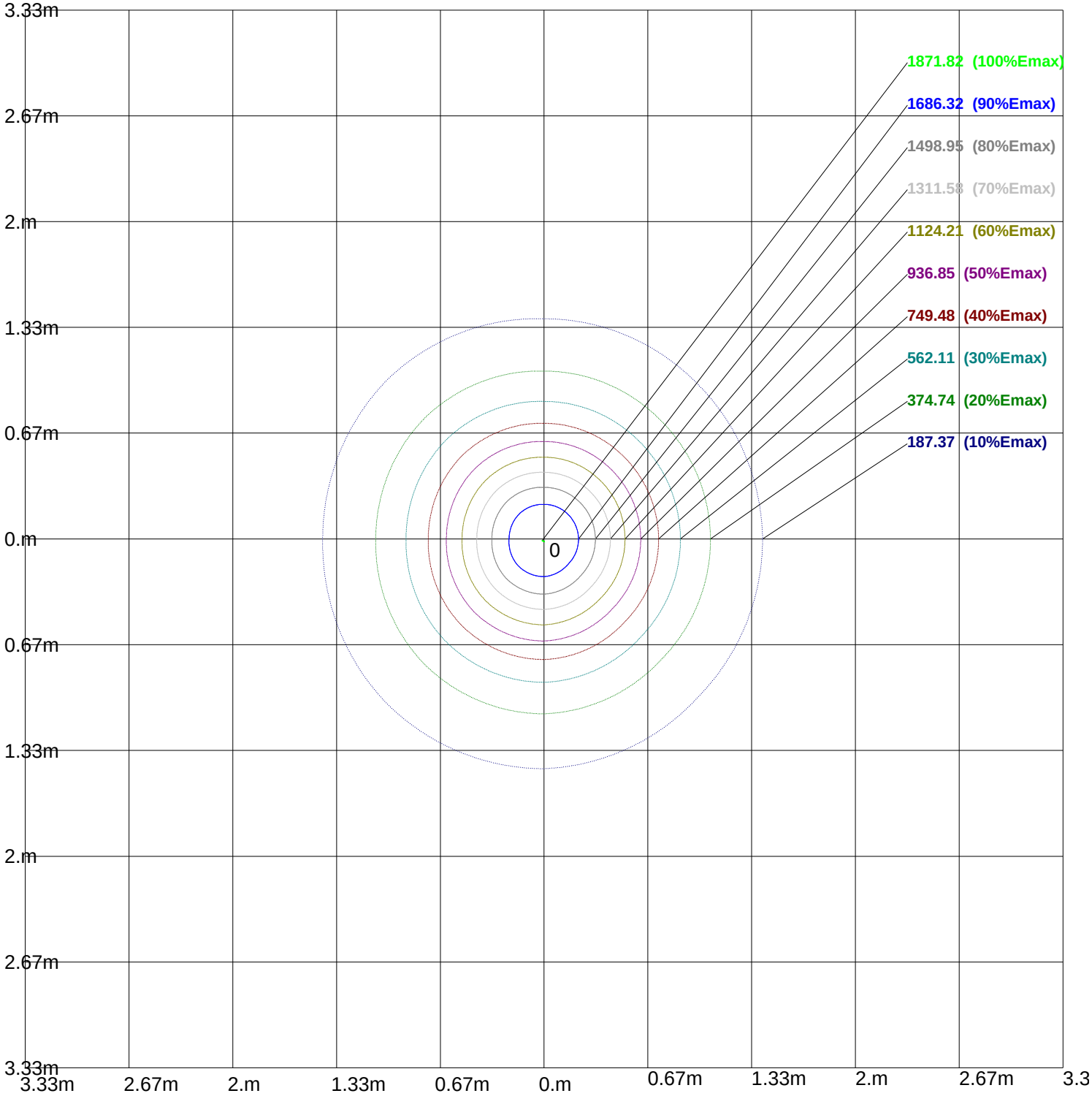
(cd) | C0/C180: C90/C270: C225:

Max Plane Light Distribution Curve [Unit: cd]





Iso-Lux[lx]



Height: 1 m
Max Illuminance : 1873.69lx

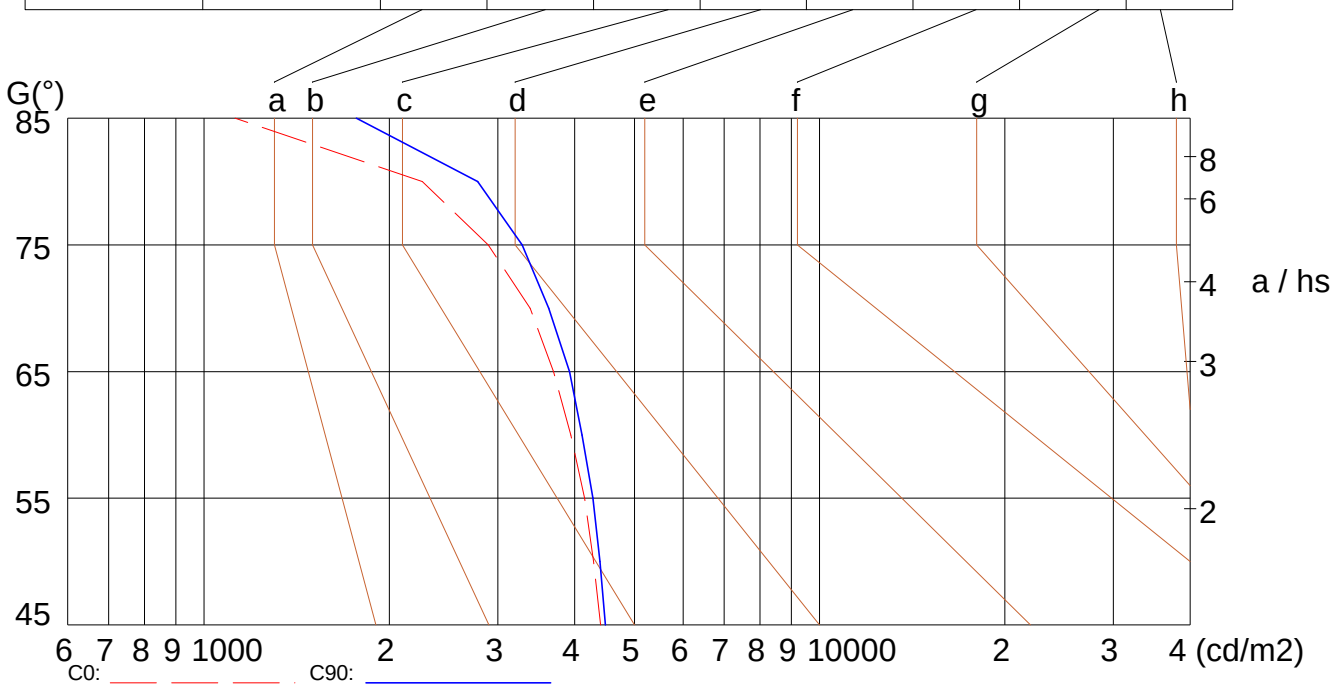
Luminance Limitting Curve

Diameter: mm
Length: 620mm
Width: 620mm
Height: 12mm

(cd/m2)

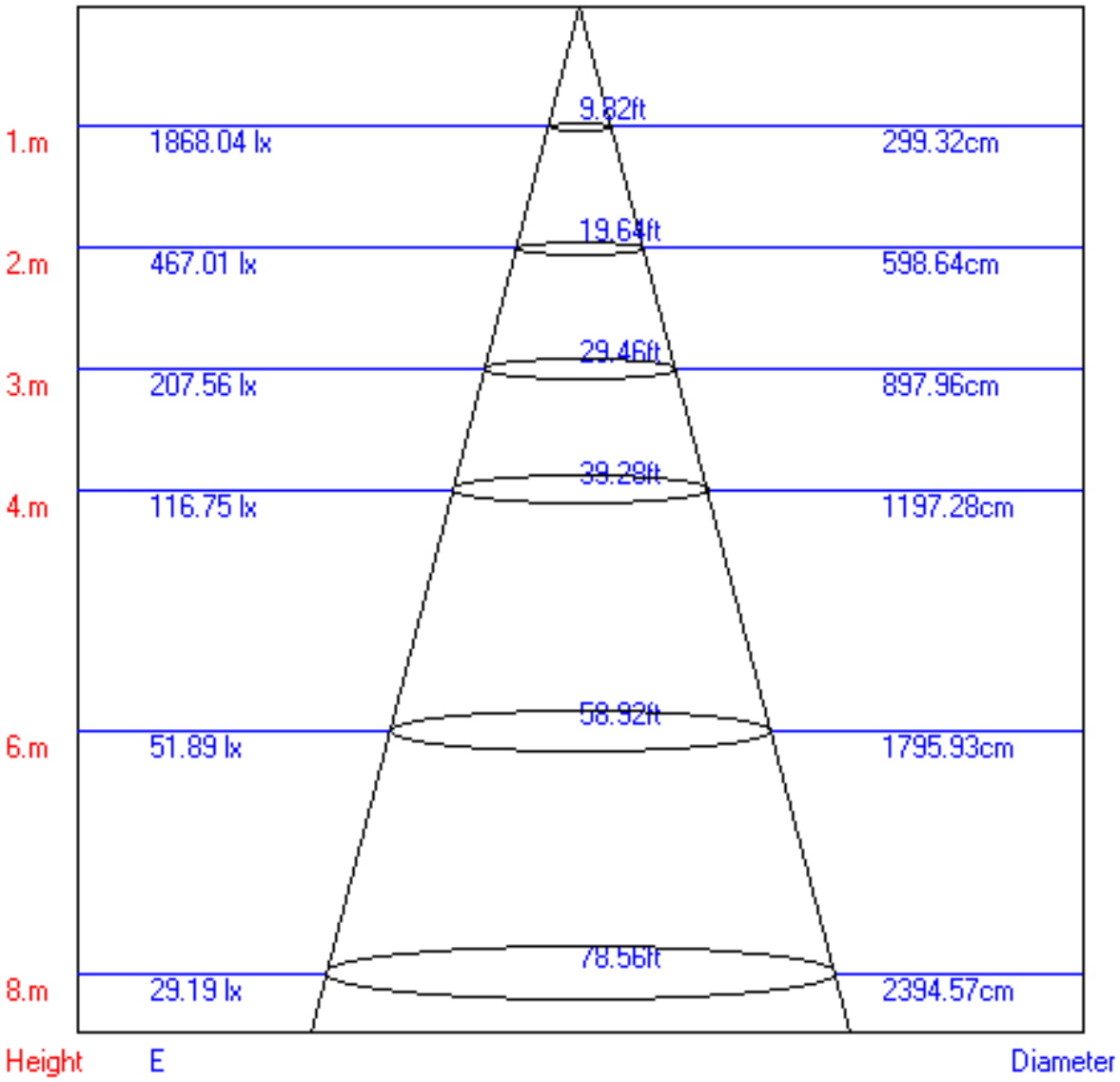
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	4407	4291	4149	3941	3698	3386	2896	2262	1123
C90	4484	4398	4284	4112	3922	3628	3286	2783	1767

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

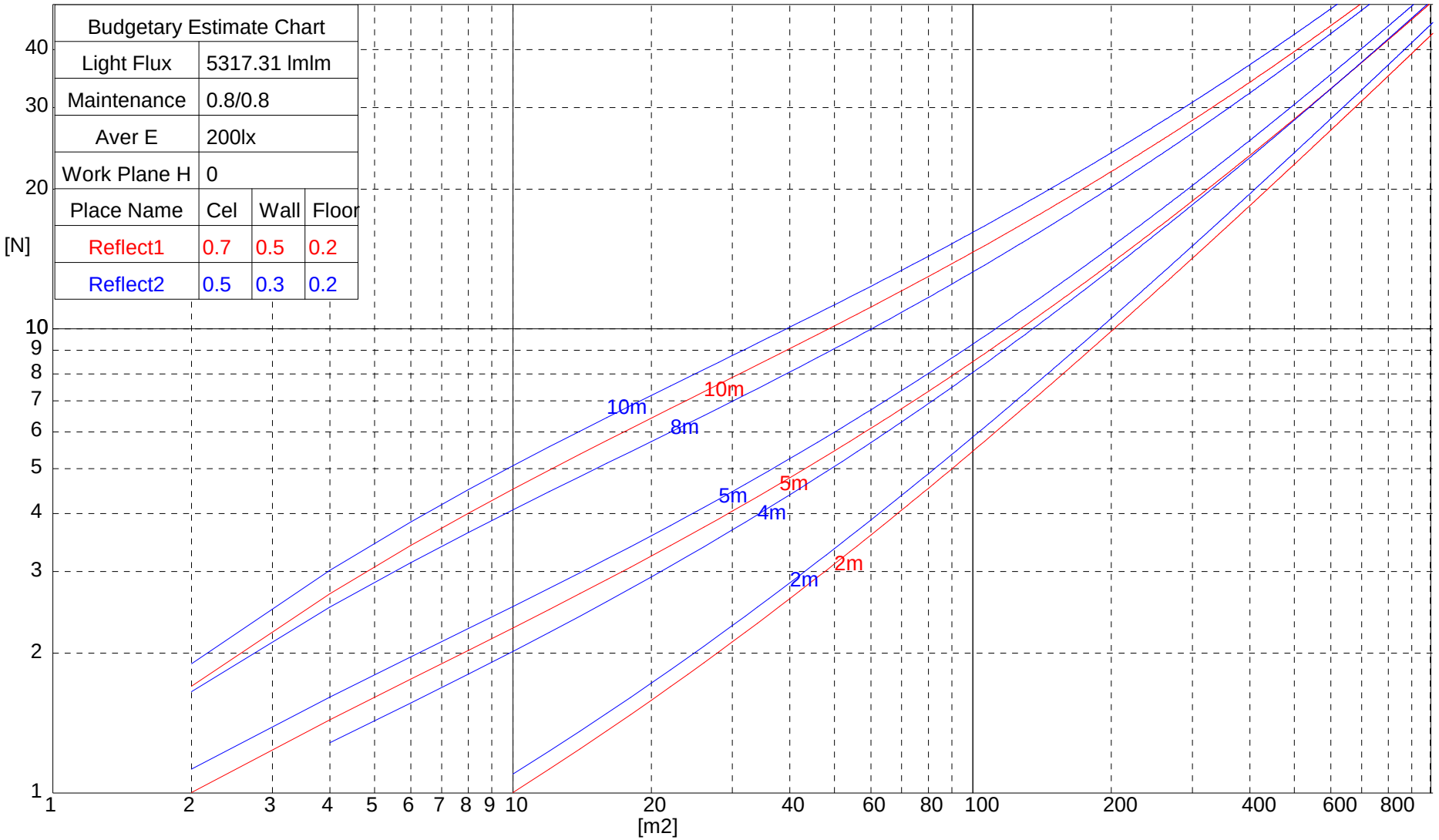


Beam Angle:112.50°

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	0.73	0.71	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	0.54	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	0.45	0.52	0.47	0.43	0.52	0.46	0.41	0.51	0.44	0.39	0.35
7	0.45	0.42	0.40	0.45	0.42	0.39	0.46	0.41	0.38	0.47	0.41	0.36	0.47	0.40	0.35	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	0.32	0.38	0.34	0.30	0.39	0.33	0.29	0.40	0.33	0.28	0.25
10	0.33	0.31	0.29	0.34	0.31	0.29	0.35	0.31	0.28	0.36	0.31	0.27	0.37	0.30	0.25	0.23

Budgetary Estimate Chart			
Light Flux	5317.31 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	14.7	16.0	14.9	15.9	16.5	14.7	15.9	14.8	16.0	16.5
	3H	16.3	17.4	16.7	17.9	17.9	16.2	17.4	16.4	17.8	18.0
	4H	16.9	18.1	17.4	18.7	18.8	16.9	18.1	17.3	18.5	18.8
	6H	17.6	18.5	18.0	18.9	18.9	17.4	18.3	17.8	18.9	19.0
	8H	17.8	18.9	18.1	19.0	19.3	17.7	18.7	17.9	19.0	19.3
	12H	17.9	18.8	18.1	19.2	19.5	17.7	18.7	18.1	19.2	19.6
4H	2H	15.7	16.6	15.9	16.8	17.0	15.6	16.6	15.8	16.9	17.0
	3H	17.5	18.4	17.7	18.4	18.8	17.3	18.2	17.6	18.3	18.7
	4H	18.3	18.9	18.5	19.1	19.5	18.0	18.9	18.4	19.1	19.6
	6H	18.8	19.5	19.1	19.8	20.2	18.7	19.5	18.9	19.7	20.0
	8H	19.0	19.7	19.4	20.0	20.3	19.0	19.5	19.3	20.0	20.3
	12H	19.2	19.8	19.7	20.0	20.5	19.1	19.8	19.5	20.1	20.5
8H	4H	18.5	19.2	18.8	19.4	19.8	18.5	19.1	18.7	19.4	19.8
	6H	19.3	19.8	19.8	20.2	20.6	19.2	19.7	19.6	20.2	20.5
	8H	19.8	20.2	20.2	20.5	20.9	19.6	20.0	20.1	20.4	21.0
	12H	20.0	20.4	20.4	20.9	21.1	19.8	20.3	20.3	20.8	21.2
12H	4H	18.6	19.2	19.1	19.6	19.8	18.5	19.0	18.9	19.4	19.8
	6H	19.5	20.0	19.9	20.2	20.7	19.4	19.9	19.8	20.2	20.6
	8H	19.9	20.3	20.4	20.5	21.1	19.8	20.2	20.3	20.6	21.0