

Luminaire Property

Luminaire: RH-PL6262 42W CCT

Report NO.:

Voltage: 220.3 V

Test NO.:

Current: 0.202 A

Lamp:

Power: 43.6 W

Sum Lumens: 3645.67 lm

Power Factor: 0.98

Number of Lamps: 1

Ballast Type: 伊戈尔1050mA

Diameter: mm

Width: 620mm

Length: 620mm

Height: mm

Photometric Type: Type C

Remark: 0.5W SMD2835

Photometric Results

Lumens: 3645.67 lm

Angle of maximum intensity: C:0.0 G:2.0

Effective luminous flux: 3590.46 lm

Half Peak Side Angle(50%): Left: -56.4 Right:55.7

Efficiency: 83.6163 lm/W

Light Out Rate(LOR) : 100.00%

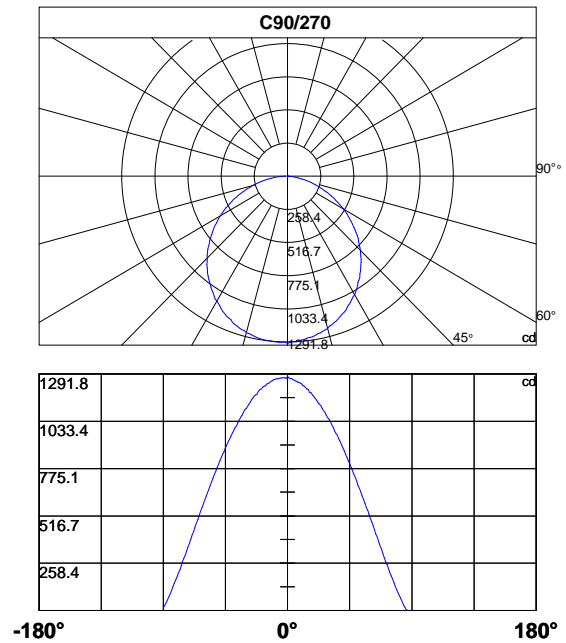
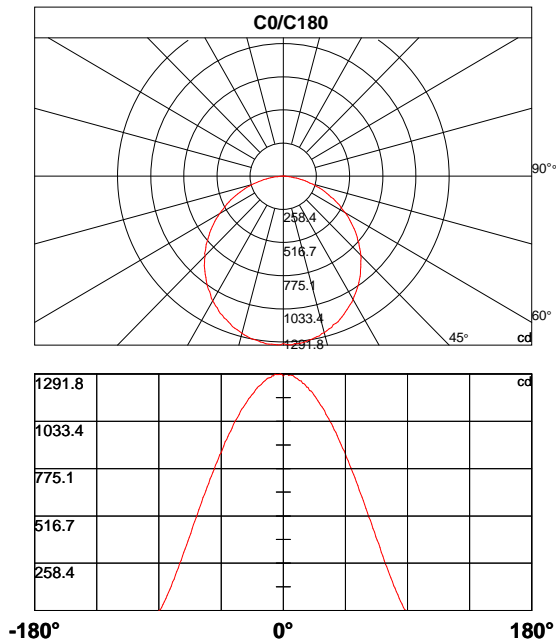
Central Intensity: 1280.522cd

Up Flux Rate: 0.0%

Maximum Intensity: 1291.763cd

Down Flux Rate: 100.0%

Beam Angle(10%): Left: -81.2 Right:80.4



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	1280.5	1287.9	1291.8	1290.4	1283.5	1286.4	1285.7	1283.5	1277.2	1272.1
45.0	1280.5	1270.3	1266.0	1266.9	1260.2	1257.1	1254.0	1248.0	1246.4	1243.2
90.0	1280.5	1270.3	1266.0	1266.9	1260.2	1257.1	1254.0	1248.0	1246.4	1243.2
135.0	1280.5	1289.1	1291.5	1289.7	1288.6	1289.1	1290.0	1282.4	1281.5	1272.5
180.0	1280.5	1289.1	1291.5	1289.7	1288.6	1289.1	1290.0	1282.4	1281.5	1272.5
225.0	1280.5	1267.8	1270.3	1271.2	1271.0	1270.1	1267.8	1266.5	1266.3	1262.7
270.0	1280.5	1267.8	1270.3	1271.2	1271.0	1270.1	1267.8	1266.5	1266.3	1262.7
315.0	1280.5	1287.9	1291.8	1290.4	1283.5	1286.4	1285.7	1283.5	1277.2	1272.1
360.0	1280.5	1287.9	1291.8	1290.4	1283.5	1286.4	1285.7	1283.5	1277.2	1272.1

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	1268.7	1260.9	1256.0	1254.2	1241.5	1239.4	1230.3	1220.7	1218.2	1201.9
45.0	1238.5	1229.8	1225.4	1218.4	1209.9	1206.6	1191.4	1188.0	1176.4	1170.1
90.0	1238.5	1229.8	1225.4	1218.4	1209.9	1206.6	1191.4	1188.0	1176.4	1170.1
135.0	1270.5	1269.0	1264.3	1256.2	1250.6	1243.5	1234.8	1228.5	1223.6	1215.3
180.0	1270.5	1269.0	1264.3	1256.2	1250.6	1243.5	1234.8	1228.5	1223.6	1215.3
225.0	1260.2	1255.5	1252.2	1245.7	1239.7	1237.9	1228.3	1225.2	1220.4	1210.8
270.0	1260.2	1255.5	1252.2	1245.7	1239.7	1237.9	1228.3	1225.2	1220.4	1210.8
315.0	1268.7	1260.9	1256.0	1254.2	1241.5	1239.4	1230.3	1220.7	1218.2	1201.9
360.0	1268.7	1260.9	1256.0	1254.2	1241.5	1239.4	1230.3	1220.7	1218.2	1201.9

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	1199.0	1191.2	1178.4	1169.7	1158.9	1145.8	1134.4	1123.4	1112.0	1101.3
45.0	1159.6	1148.2	1137.5	1128.8	1119.8	1104.9	1092.1	1081.8	1065.5	1055.0
90.0	1159.6	1148.2	1137.5	1128.8	1119.8	1104.9	1092.1	1081.8	1065.5	1055.0
135.0	1204.8	1192.3	1183.1	1177.3	1164.5	1157.6	1145.8	1130.6	1121.4	1110.7
180.0	1204.8	1192.3	1183.1	1177.3	1164.5	1157.6	1145.8	1130.6	1121.4	1110.7
225.0	1206.8	1198.3	1182.7	1178.2	1170.6	1161.4	1151.6	1138.4	1125.6	1114.7
270.0	1206.8	1198.3	1182.7	1178.2	1170.6	1161.4	1151.6	1138.4	1125.6	1114.7
315.0	1199.0	1191.2	1178.4	1169.7	1158.9	1145.8	1134.4	1123.4	1112.0	1101.3
360.0	1199.0	1191.2	1178.4	1169.7	1158.9	1145.8	1134.4	1123.4	1112.0	1101.3

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	1091.0	1072.7	1058.3	1046.7	1032.4	1019.4	1004.3	986.6	973.4	956.4
45.0	1044.9	1030.6	1015.2	999.8	981.2	968.9	956.6	937.6	924.2	904.6
90.0	1044.9	1030.6	1015.2	999.8	981.2	968.9	956.6	937.6	924.2	904.6
135.0	1099.5	1088.3	1069.7	1054.3	1044.0	1030.0	1015.7	996.2	981.0	967.8
180.0	1099.5	1088.3	1069.7	1054.3	1044.0	1030.0	1015.7	996.2	981.0	967.8
225.0	1103.1	1095.5	1080.7	1065.8	1055.7	1039.3	1025.5	1010.1	999.1	981.9
270.0	1103.1	1095.5	1080.7	1065.8	1055.7	1039.3	1025.5	1010.1	999.1	981.9
315.0	1091.0	1072.7	1058.3	1046.7	1032.4	1019.4	1004.3	986.6	973.4	956.4
360.0	1091.0	1072.7	1058.3	1046.7	1032.4	1019.4	1004.3	986.6	973.4	956.4

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	938.3	920.4	904.8	887.1	871.9	854.5	834.6	815.6	796.5	779.1
45.0	887.8	873.9	855.3	835.2	818.9	803.0	781.2	764.6	744.4	727.9
90.0	887.8	873.9	855.3	835.2	818.9	803.0	781.2	764.6	744.4	727.9
135.0	950.6	933.1	920.9	898.3	880.8	862.1	850.4	829.2	811.8	794.3
180.0	950.6	933.1	920.9	898.3	880.8	862.1	850.4	829.2	811.8	794.3
225.0	971.4	951.2	936.3	923.8	903.2	888.5	869.6	852.5	835.4	818.7
270.0	971.4	951.2	936.3	923.8	903.2	888.5	869.6	852.5	835.4	818.7
315.0	938.3	920.4	904.8	887.1	871.9	854.5	834.6	815.6	796.5	779.1
360.0	938.3	920.4	904.8	887.1	871.9	854.5	834.6	815.6	796.5	779.1

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	756.6	740.9	723.0	702.7	682.1	657.7	639.6	619.0	600.0	579.0
45.0	709.1	684.3	666.7	647.0	626.2	605.2	583.7	565.2	545.3	523.6
90.0	709.1	684.3	666.7	647.0	626.2	605.2	583.7	565.2	545.3	523.6
135.0	771.1	754.8	732.6	718.1	695.1	674.3	653.9	634.2	617.0	592.2
180.0	771.1	754.8	732.6	718.1	695.1	674.3	653.9	634.2	617.0	592.2
225.0	797.0	780.4	761.2	741.8	722.1	703.1	685.2	661.5	643.8	625.1
270.0	797.0	780.4	761.2	741.8	722.1	703.1	685.2	661.5	643.8	625.1
315.0	756.6	740.9	723.0	702.7	682.1	657.7	639.6	619.0	600.0	579.0
360.0	756.6	740.9	723.0	702.7	682.1	657.7	639.6	619.0	600.0	579.0

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	557.8	533.0	509.9	492.1	473.0	447.1	428.8	402.8	383.9	365.3
45.0	501.7	480.7	460.8	438.8	416.3	398.4	374.0	355.3	333.3	311.0
90.0	501.7	480.7	460.8	438.8	416.3	398.4	374.0	355.3	333.3	311.0
135.0	573.4	549.7	528.5	508.6	486.7	468.1	445.8	420.7	398.9	380.3
180.0	573.4	549.7	528.5	508.6	486.7	468.1	445.8	420.7	398.9	380.3
225.0	601.6	581.1	562.7	539.9	517.8	496.6	475.7	457.0	431.9	412.5
270.0	601.6	581.1	562.7	539.9	517.8	496.6	475.7	457.0	431.9	412.5
315.0	557.8	533.0	509.9	492.1	473.0	447.1	428.8	402.8	383.9	365.3
360.0	557.8	533.0	509.9	492.1	473.0	447.1	428.8	402.8	383.9	365.3

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	343.4	319.3	296.9	275.2	253.7	239.0	215.1	194.9	177.8	157.2
45.0	290.8	269.4	251.1	230.3	209.7	189.6	172.8	150.9	131.2	112.9
90.0	290.8	269.4	251.1	230.3	209.7	189.6	172.8	150.9	131.2	112.9
135.0	358.6	336.4	317.2	296.0	274.5	256.2	233.0	212.4	194.5	171.3
180.0	358.6	336.4	317.2	296.0	274.5	256.2	233.0	212.4	194.5	171.3
225.0	390.3	368.4	346.5	327.3	303.8	285.1	267.4	242.6	221.8	204.3
270.0	390.3	368.4	346.5	327.3	303.8	285.1	267.4	242.6	221.8	204.3
315.0	343.4	319.3	296.9	275.2	253.7	239.0	215.1	194.9	177.8	157.2
360.0	343.4	319.3	296.9	275.2	253.7	239.0	215.1	194.9	177.8	157.2

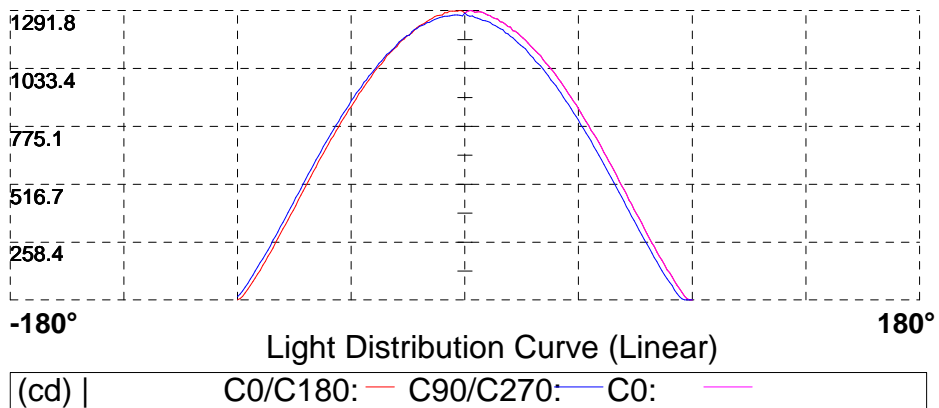
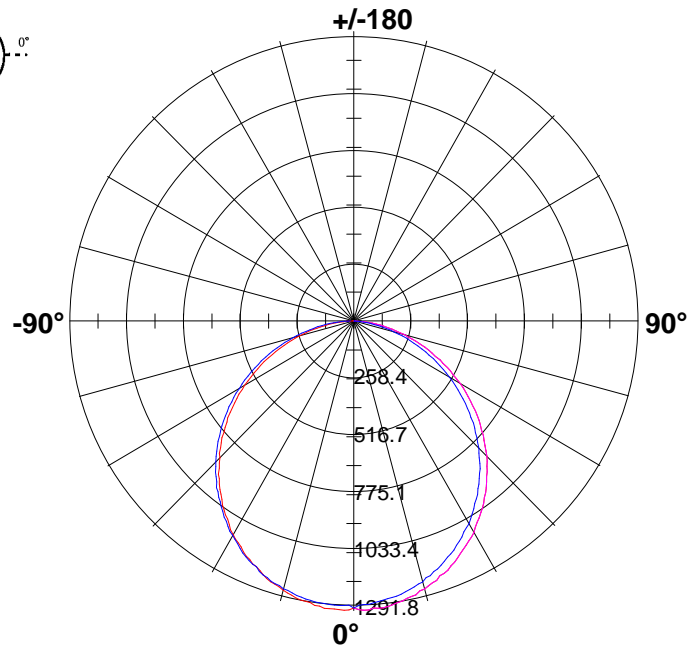
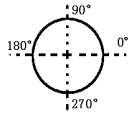
Photometric Data Table [cd]

C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	135.0	121.4	102.9	84.7	67.1	49.8	33.7	17.0	4.7	0.5
45.0	94.6	79.6	64.4	45.1	29.1	15.0	5.6	0.0	0.0	0.0
90.0	94.6	79.6	64.4	45.1	29.1	15.0	5.6	0.0	0.0	0.0
135.0	154.7	132.4	116.3	97.9	82.7	64.4	47.9	32.2	16.8	5.8
180.0	154.7	132.4	116.3	97.9	82.7	64.4	47.9	32.2	16.8	5.8
225.0	184.2	167.9	147.8	129.2	110.7	93.0	73.1	57.9	41.4	26.6
270.0	184.2	167.9	147.8	129.2	110.7	93.0	73.1	57.9	41.4	26.6
315.0	135.0	121.4	102.9	84.7	67.1	49.8	33.7	17.0	4.7	0.5
360.0	135.0	121.4	102.9	84.7	67.1	49.8	33.7	17.0	4.7	0.5

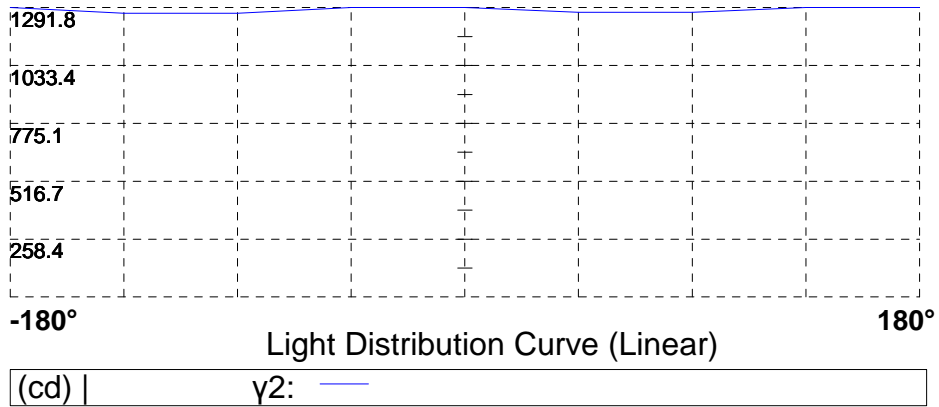
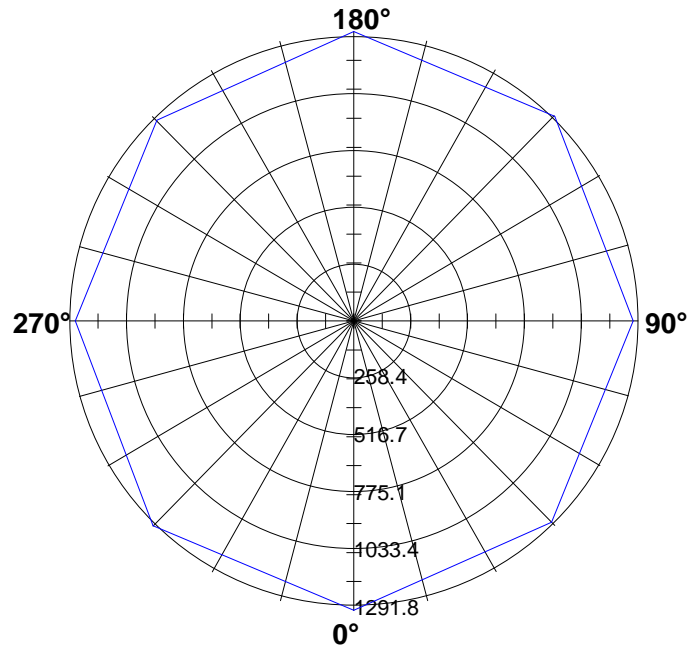
C\G	90.0
0.0	0.0
45.0	0.0
90.0	0.0
135.0	0.0
180.0	0.0
225.0	15.4
270.0	15.4
315.0	0.0
360.0	0.0

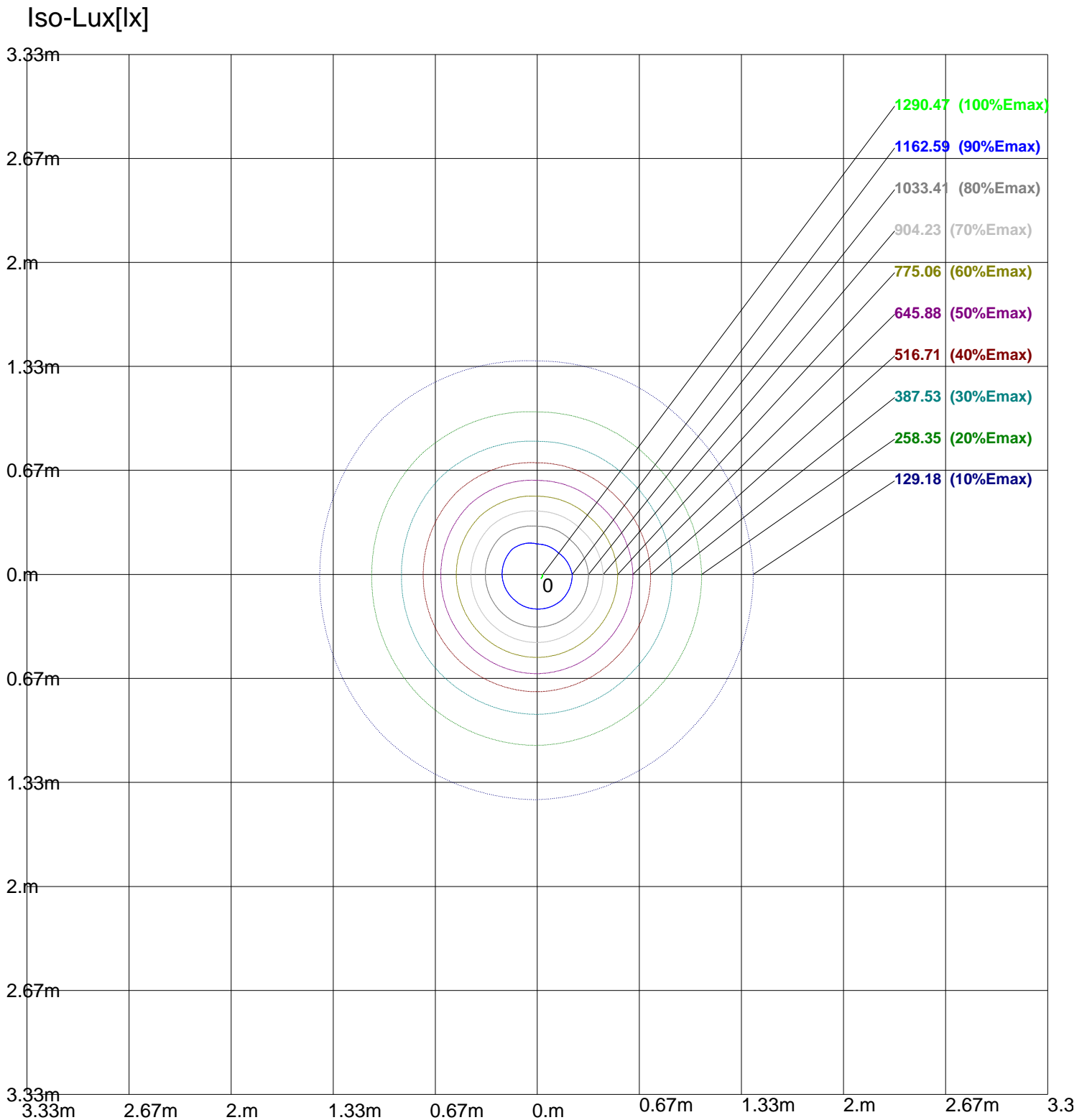
Light Distribution Curve [Unit: cd]

Luminaire



Max Plane Light Distribution Curve [Unit: cd]





Height: 1 m
Max Illuminance : 1291.76lx

Luminance Limiting Curve

Diameter: mm

Length: 620mm

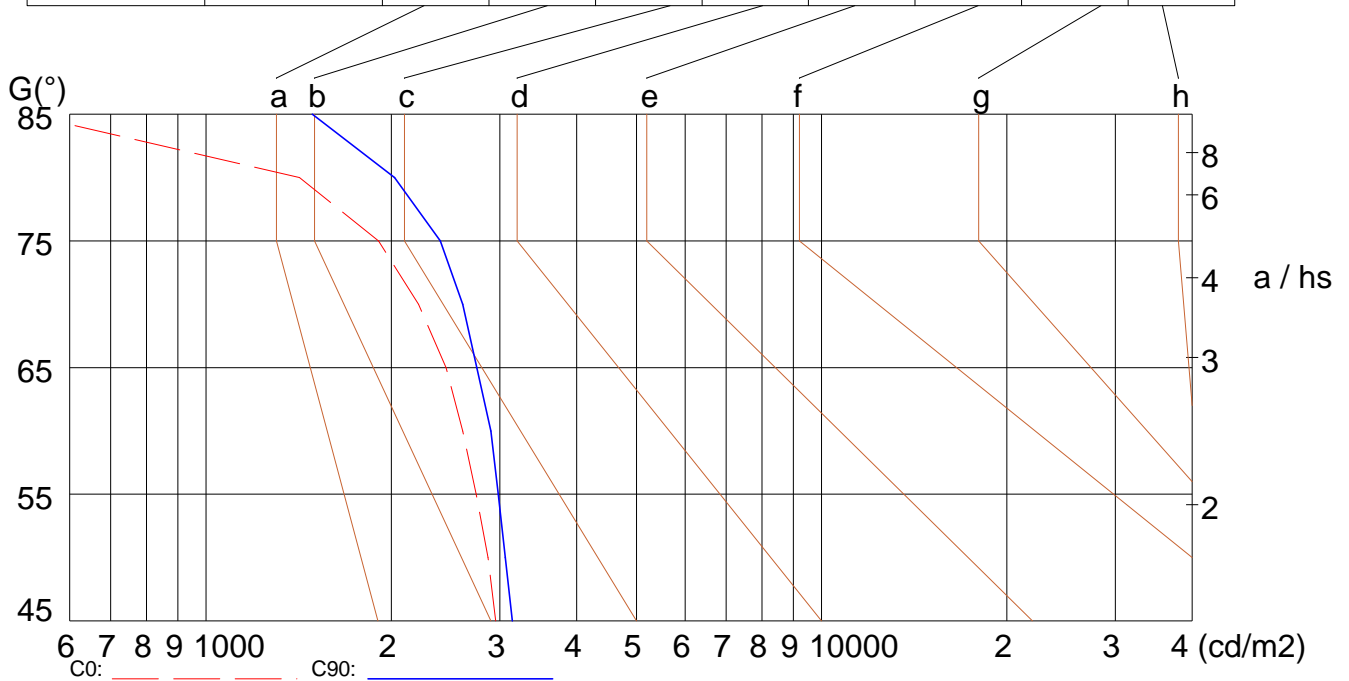
Width: 620mm

Height: mm

(cd/m²)

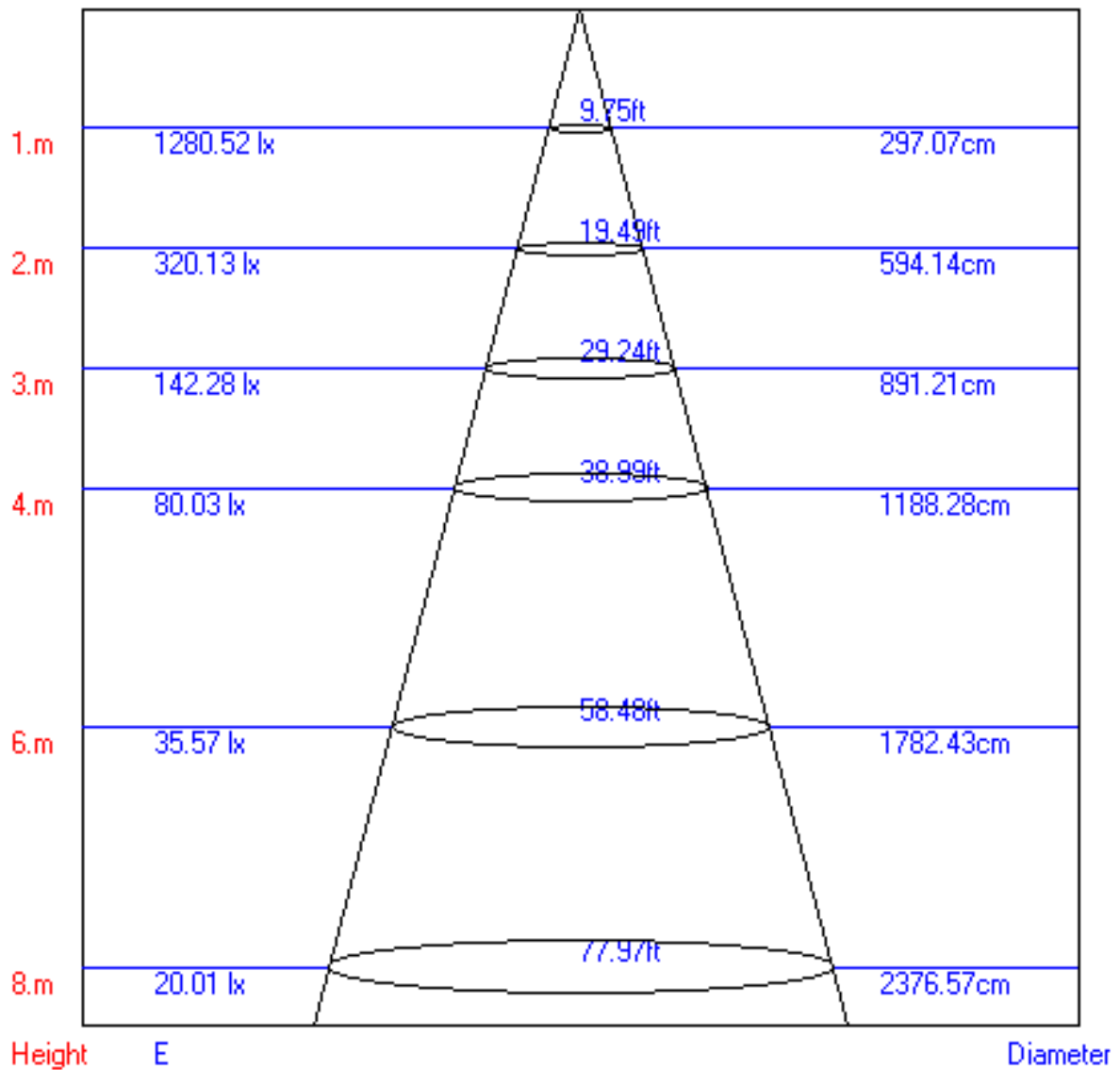
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	2954	2870	2745	2610	2452	2212	1905	1417	447
C90	3144	3062	2983	2902	2752	2612	2402	2023	1488

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. Limiting Curve (C0/C90)

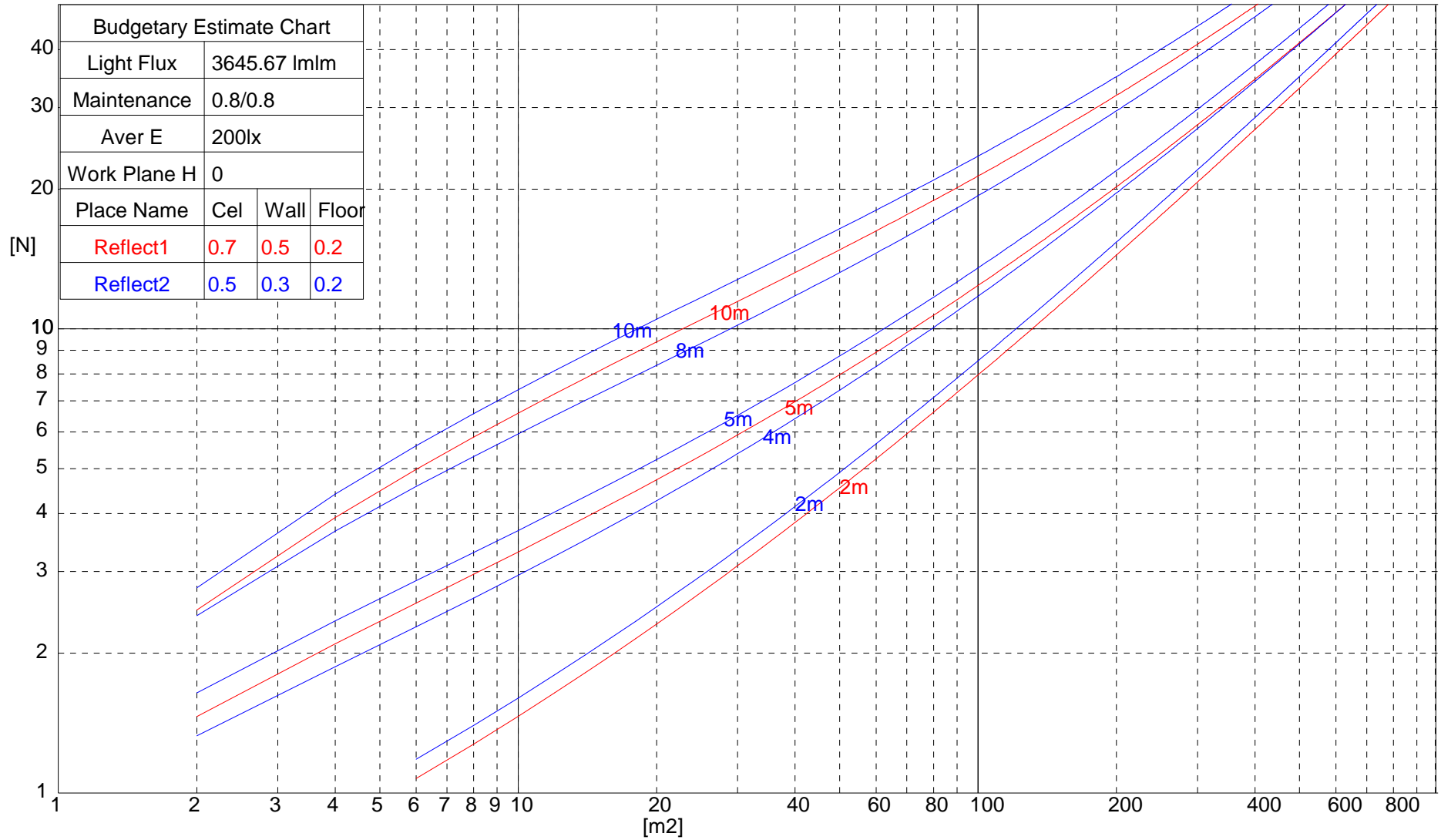
Lux-Distance Curve



Beam Angle:112.10°

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	COEFFICIENTS 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	0.46	0.43	0.52	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	0.47	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



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 X Y	Weft to light axis direction of observation					Direction of light axis parallel observation					
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
4H	12H	17.9	18.8	18.1	19.2	19.5	17.7	18.7	18.1	19.2	19.6
	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	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
	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	12H	20.0	20.4	20.4	20.9	21.1	19.8	20.3	20.3	20.8	21.2
	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