

Luminaire Property

Luminaire: DL SQ 6W

Report NO.:

Test NO.:

Lamp: 2835

Sum Lumens: 378.73 lm

Number of Lamps: 36

Diameter: mm

Length: 87mm

Photometric Type: Type C

Voltage: 220.9 V

Current: 0.051 A

Power: 5.4 W

Power Factor: 0.973

Ballast Type:

Width: 87mm

Height: 30mm

Remark:

Photometric Results

Lumens: 378.73 lm

Effective luminous flux: 367.93 lm

Efficiency: N.A

Central Intensity: 212.423cd

Maximum Intensity: 216.036cd

Beam Angle(10%): Left: -61.6 Right:62.7

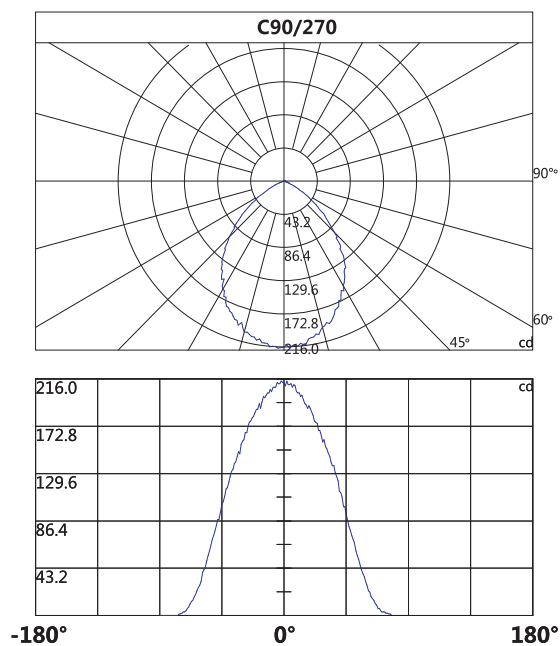
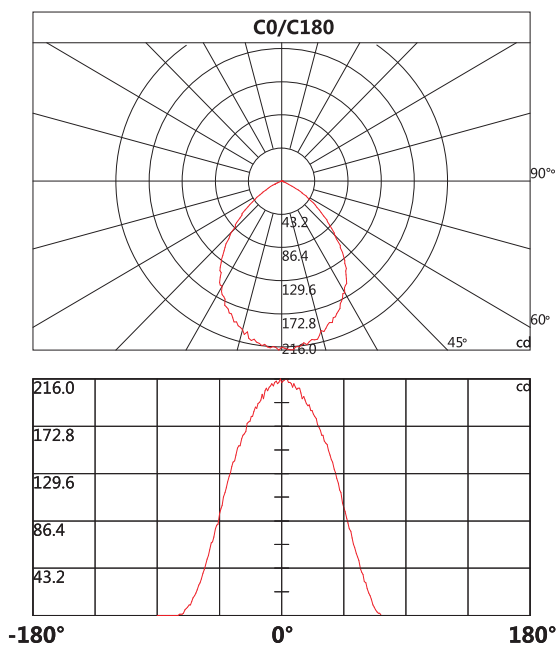
Angle of maximum intensity: C:0.0 G:3.0

Half Peak Side Angle(50%): Left: -42.0 Right:43.4

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	212.4	213.9	215.0	216.0	216.0	212.8	212.8	211.8	208.6	211.8
30.0	212.4	210.7	209.6	208.6	209.6	207.5	208.6	209.6	208.6	207.5
60.0	212.4	210.7	209.6	208.6	209.6	207.5	208.6	209.6	208.6	207.5
90.0	212.4	209.6	213.9	210.7	210.7	211.8	208.6	210.7	209.6	204.3
120.0	212.4	209.6	213.9	210.7	210.7	211.8	208.6	210.7	209.6	204.3
150.0	212.4	216.0	212.8	211.8	213.9	212.8	209.6	211.8	209.6	208.6
180.0	212.4	216.0	212.8	211.8	213.9	212.8	209.6	211.8	209.6	208.6
210.0	212.4	212.8	209.6	210.7	209.6	207.5	209.6	206.4	205.3	203.2
240.0	212.4	212.8	209.6	210.7	209.6	207.5	209.6	206.4	205.3	203.2
270.0	212.4	212.8	213.9	211.8	211.8	212.8	208.6	208.6	208.6	204.3
300.0	212.4	212.8	213.9	211.8	211.8	212.8	208.6	208.6	208.6	204.3
330.0	212.4	213.9	215.0	216.0	216.0	212.8	212.8	211.8	208.6	211.8
360.0	212.4	213.9	215.0	216.0	216.0	212.8	212.8	211.8	208.6	211.8

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	208.6	206.4	207.5	207.5	203.2	197.9	200.0	196.8	193.6	191.4
30.0	206.4	205.3	203.2	201.1	201.1	195.7	195.7	196.8	195.7	189.3
60.0	206.4	205.3	203.2	201.1	201.1	195.7	195.7	196.8	195.7	189.3
90.0	203.2	203.2	200.0	201.1	196.8	193.6	192.5	189.3	191.4	189.3
120.0	203.2	203.2	200.0	201.1	196.8	193.6	192.5	189.3	191.4	189.3
150.0	205.3	207.5	205.3	197.9	202.1	196.8	194.6	193.6	189.3	190.4
180.0	205.3	207.5	205.3	197.9	202.1	196.8	194.6	193.6	189.3	190.4
210.0	202.1	201.1	200.0	198.9	195.7	193.6	194.6	189.3	182.9	186.1
240.0	202.1	201.1	200.0	198.9	195.7	193.6	194.6	189.3	182.9	186.1
270.0	206.4	203.2	203.2	201.1	198.9	200.0	194.6	189.3	193.6	188.2
300.0	206.4	203.2	203.2	201.1	198.9	200.0	194.6	189.3	193.6	188.2
330.0	208.6	206.4	207.5	207.5	203.2	197.9	200.0	196.8	193.6	191.4
360.0	208.6	206.4	207.5	207.5	203.2	197.9	200.0	196.8	193.6	191.4

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	192.5	187.2	187.2	184.0	181.8	179.7	174.3	172.2	169.0	164.7
30.0	189.3	186.1	184.0	180.7	179.7	175.4	173.3	169.0	169.0	162.6
60.0	189.3	186.1	184.0	180.7	179.7	175.4	173.3	169.0	169.0	162.6
90.0	186.1	182.9	177.5	176.5	175.4	169.0	169.0	163.6	158.3	160.4
120.0	186.1	182.9	177.5	176.5	175.4	169.0	169.0	163.6	158.3	160.4
150.0	186.1	181.8	181.8	177.5	176.5	175.4	167.9	165.8	164.7	161.5
180.0	186.1	181.8	181.8	177.5	176.5	175.4	167.9	165.8	164.7	161.5
210.0	180.7	179.7	179.7	172.2	173.3	172.2	165.8	163.6	159.4	152.9
240.0	180.7	179.7	179.7	172.2	173.3	172.2	165.8	163.6	159.4	152.9
270.0	188.2	185.0	181.8	180.7	177.5	176.5	173.3	166.8	166.8	160.4
300.0	188.2	185.0	181.8	180.7	177.5	176.5	173.3	166.8	166.8	160.4
330.0	192.5	187.2	187.2	184.0	181.8	179.7	174.3	172.2	169.0	164.7
360.0	192.5	187.2	187.2	184.0	181.8	179.7	174.3	172.2	169.0	164.7

Photometric Data Table [cd]

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	164.7	159.4	157.2	156.1	150.8	146.5	142.2	140.1	133.7	130.5
30.0	160.4	159.4	156.1	151.9	148.7	145.5	140.1	135.8	132.6	129.4
60.0	160.4	159.4	156.1	151.9	148.7	145.5	140.1	135.8	132.6	129.4
90.0	154.0	151.9	148.7	145.5	140.1	136.9	136.9	130.5	127.3	123.0
120.0	154.0	151.9	148.7	145.5	140.1	136.9	136.9	130.5	127.3	123.0
150.0	155.1	155.1	152.9	146.5	141.2	140.1	135.8	130.5	127.3	121.9
180.0	155.1	155.1	152.9	146.5	141.2	140.1	135.8	130.5	127.3	121.9
210.0	154.0	151.9	144.4	141.2	138.0	139.0	130.5	128.3	125.1	119.8
240.0	154.0	151.9	144.4	141.2	138.0	139.0	130.5	128.3	125.1	119.8
270.0	159.4	156.1	147.6	149.7	145.5	140.1	139.0	133.7	131.6	127.3
300.0	159.4	156.1	147.6	149.7	145.5	140.1	139.0	133.7	131.6	127.3
330.0	164.7	159.4	157.2	156.1	150.8	146.5	142.2	140.1	133.7	130.5
360.0	164.7	159.4	157.2	156.1	150.8	146.5	142.2	140.1	133.7	130.5

C\G	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	125.1	120.9	114.4	112.3	102.7	98.4	95.2	88.8	84.5	79.1
30.0	123.0	120.9	118.7	111.2	107.0	103.7	97.3	92.0	90.9	83.4
60.0	123.0	120.9	118.7	111.2	107.0	103.7	97.3	92.0	90.9	83.4
90.0	113.4	112.3	109.1	99.5	99.5	93.1	86.6	81.3	78.1	72.7
120.0	113.4	112.3	109.1	99.5	99.5	93.1	86.6	81.3	78.1	72.7
150.0	116.6	112.3	108.0	100.5	97.3	93.1	83.4	82.4	79.1	71.7
180.0	116.6	112.3	108.0	100.5	97.3	93.1	83.4	82.4	79.1	71.7
210.0	115.5	113.4	109.1	102.7	101.6	92.0	89.8	85.6	80.2	73.8
240.0	115.5	113.4	109.1	102.7	101.6	92.0	89.8	85.6	80.2	73.8
270.0	121.9	116.6	115.5	109.1	103.7	101.6	95.2	87.7	87.7	82.4
300.0	121.9	116.6	115.5	109.1	103.7	101.6	95.2	87.7	87.7	82.4
330.0	125.1	120.9	114.4	112.3	102.7	98.4	95.2	88.8	84.5	79.1
360.0	125.1	120.9	114.4	112.3	102.7	98.4	95.2	88.8	84.5	79.1

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	77.0	70.6	65.2	62.0	56.7	53.5	50.3	42.8	39.6	37.4
30.0	78.1	75.9	70.6	65.2	58.8	52.4	48.1	44.9	39.6	36.4
60.0	78.1	75.9	70.6	65.2	58.8	52.4	48.1	44.9	39.6	36.4
90.0	69.5	66.3	58.8	54.6	51.3	46.0	41.7	38.5	35.3	31.0
120.0	69.5	66.3	58.8	54.6	51.3	46.0	41.7	38.5	35.3	31.0
150.0	67.4	66.3	59.9	54.6	51.3	46.0	41.7	38.5	33.2	30.0
180.0	67.4	66.3	59.9	54.6	51.3	46.0	41.7	38.5	33.2	30.0
210.0	69.5	64.2	62.0	57.8	50.3	47.1	42.8	36.4	33.2	28.9
240.0	69.5	64.2	62.0	57.8	50.3	47.1	42.8	36.4	33.2	28.9
270.0	77.0	72.7	69.5	63.1	58.8	54.6	50.3	43.9	41.7	39.6
300.0	77.0	72.7	69.5	63.1	58.8	54.6	50.3	43.9	41.7	39.6
330.0	77.0	70.6	65.2	62.0	56.7	53.5	50.3	42.8	39.6	37.4
360.0	77.0	70.6	65.2	62.0	56.7	53.5	50.3	42.8	39.6	37.4

Photometric Data Table [cd]

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	31.0	30.0	24.6	20.3	18.2	15.0	9.6	7.5	5.4	3.2
30.0	31.0	28.9	24.6	20.3	18.2	16.0	13.9	10.7	9.6	7.5
60.0	31.0	28.9	24.6	20.3	18.2	16.0	13.9	10.7	9.6	7.5
90.0	27.8	22.5	21.4	17.1	15.5	13.9	10.7	9.6	6.4	6.4
120.0	27.8	22.5	21.4	17.1	15.5	13.9	10.7	9.6	6.4	6.4
150.0	27.8	23.5	20.3	18.2	16.0	12.8	9.6	9.6	7.5	6.4
180.0	27.8	23.5	20.3	18.2	16.0	12.8	9.6	9.6	7.5	6.4
210.0	25.7	21.4	19.3	16.0	13.9	11.8	9.6	9.6	7.5	5.4
240.0	25.7	21.4	19.3	16.0	13.9	11.8	9.6	9.6	7.5	5.4
270.0	31.0	27.8	25.7	22.5	19.3	17.1	13.9	12.8	10.7	7.5
300.0	31.0	27.8	25.7	22.5	19.3	17.1	13.9	12.8	10.7	7.5
330.0	31.0	30.0	24.6	20.3	18.2	15.0	9.6	7.5	5.4	3.2
360.0	31.0	30.0	24.6	20.3	18.2	15.0	9.6	7.5	5.4	3.2

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	6.4	5.4	3.2	3.2	2.1	1.1	1.1	1.1	1.1	0.0
60.0	6.4	5.4	3.2	3.2	2.1	1.1	1.1	1.1	1.1	0.0
90.0	4.3	3.2	3.2	3.2	2.1	2.1	1.6	1.1	0.0	0.0
120.0	4.3	3.2	3.2	3.2	2.1	2.1	1.6	1.1	0.0	0.0
150.0	5.4	2.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
180.0	5.4	2.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
210.0	4.3	3.7	3.2	2.1	1.1	1.1	1.1	1.1	1.1	0.0
240.0	4.3	3.7	3.2	2.1	1.1	1.1	1.1	1.1	1.1	0.0
270.0	6.4	4.3	3.2	3.2	2.1	1.6	1.1	0.0	0.0	0.0
300.0	6.4	4.3	3.2	3.2	2.1	1.6	1.1	0.0	0.0	0.0
330.0	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

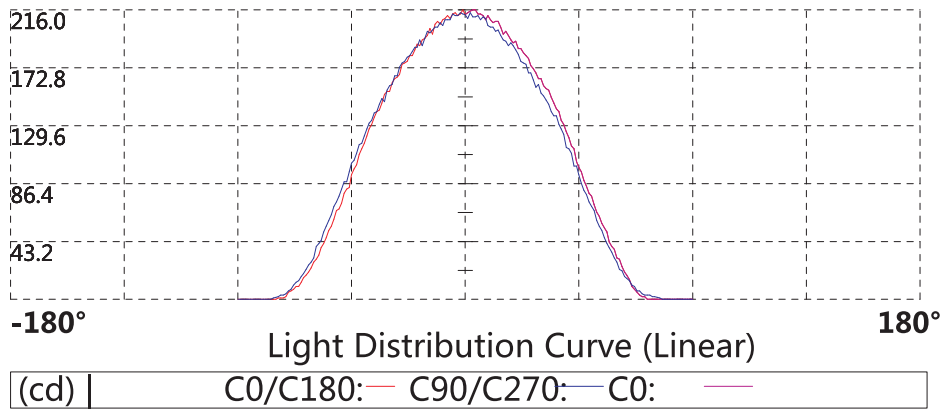
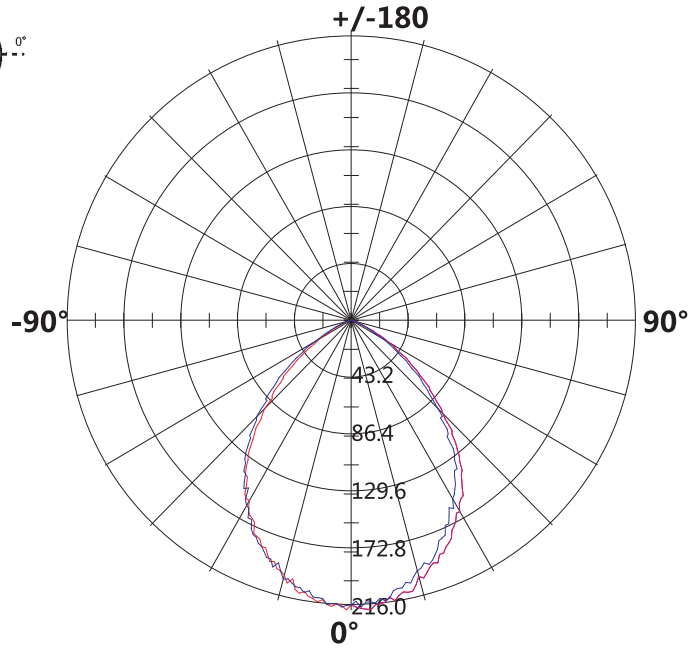
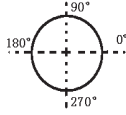
C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Photometric Data Table [cd]

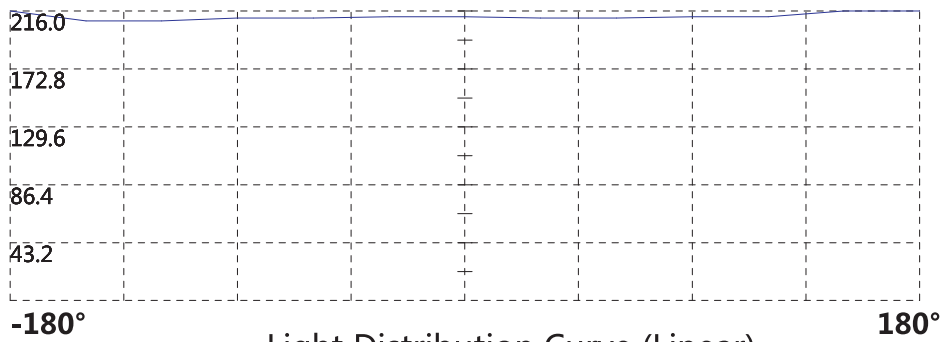
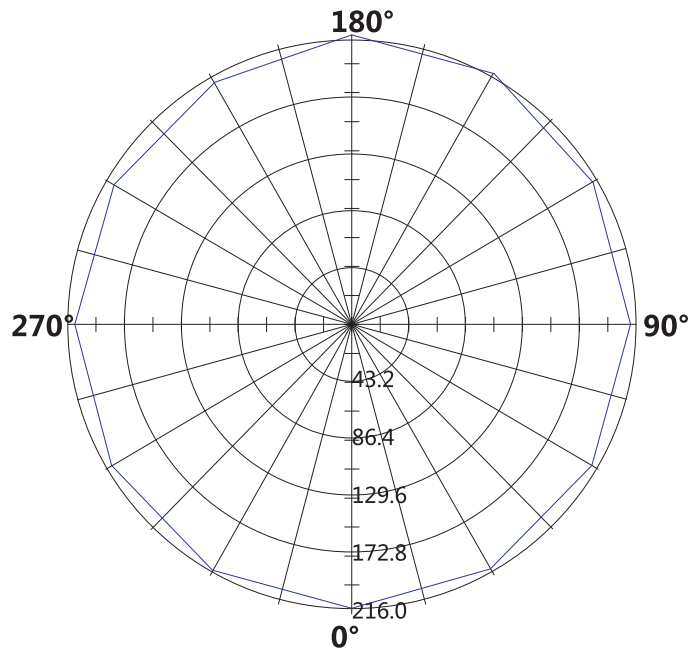
C\G	90.0
0.0	0.0
30.0	0.0
60.0	0.0
90.0	0.0
120.0	0.0
150.0	0.0
180.0	0.0
210.0	0.0
240.0	0.0
270.0	0.0
300.0	0.0
330.0	0.0
360.0	0.0

Light Distribution Curve [Unit: cd]

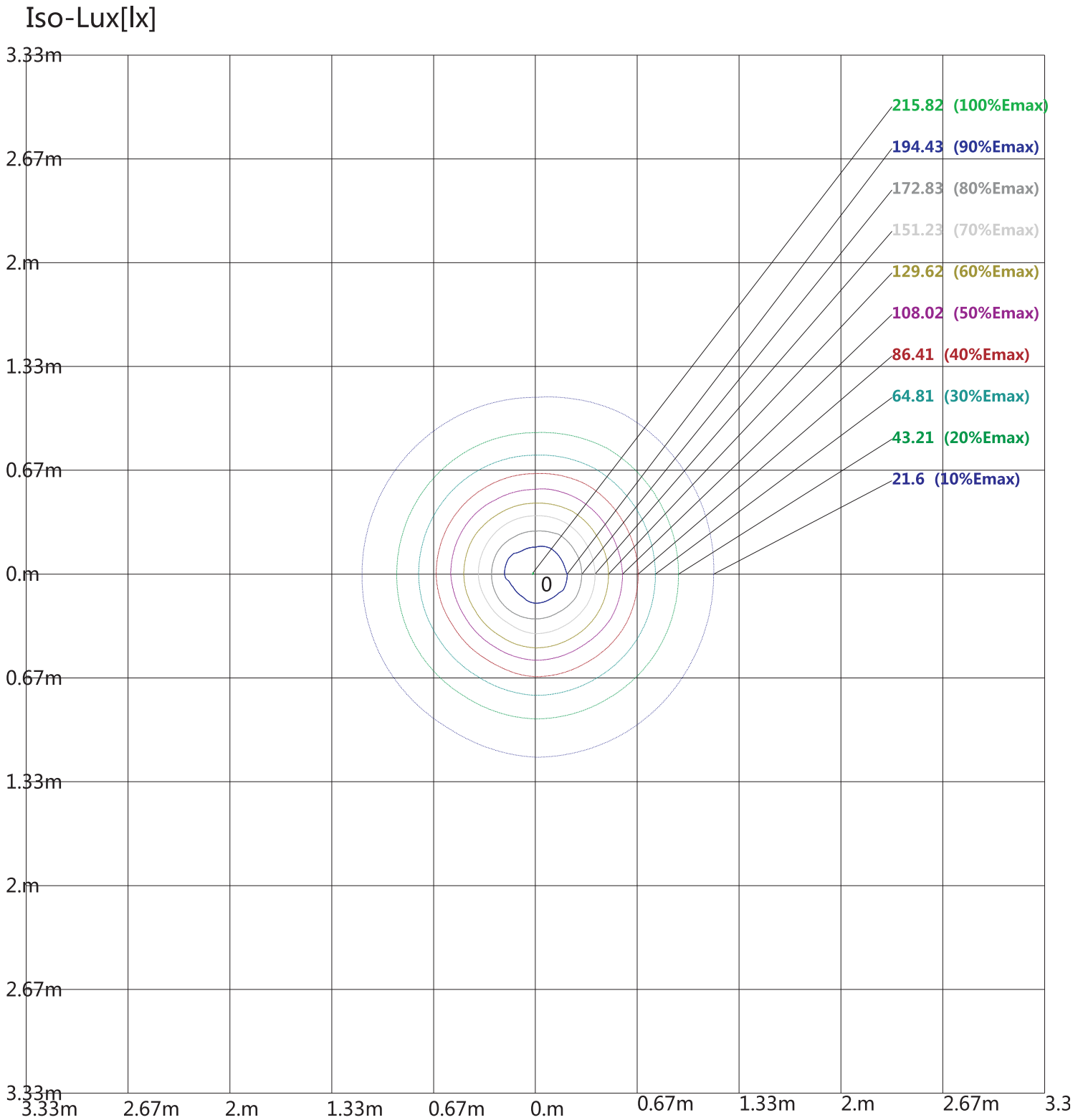
Luminaire



Max Plane Light Distribution Curve [Unit: cd]



(cd) | γ_3 : —



Height: 1 m
Max Illuminance : 216.04lx

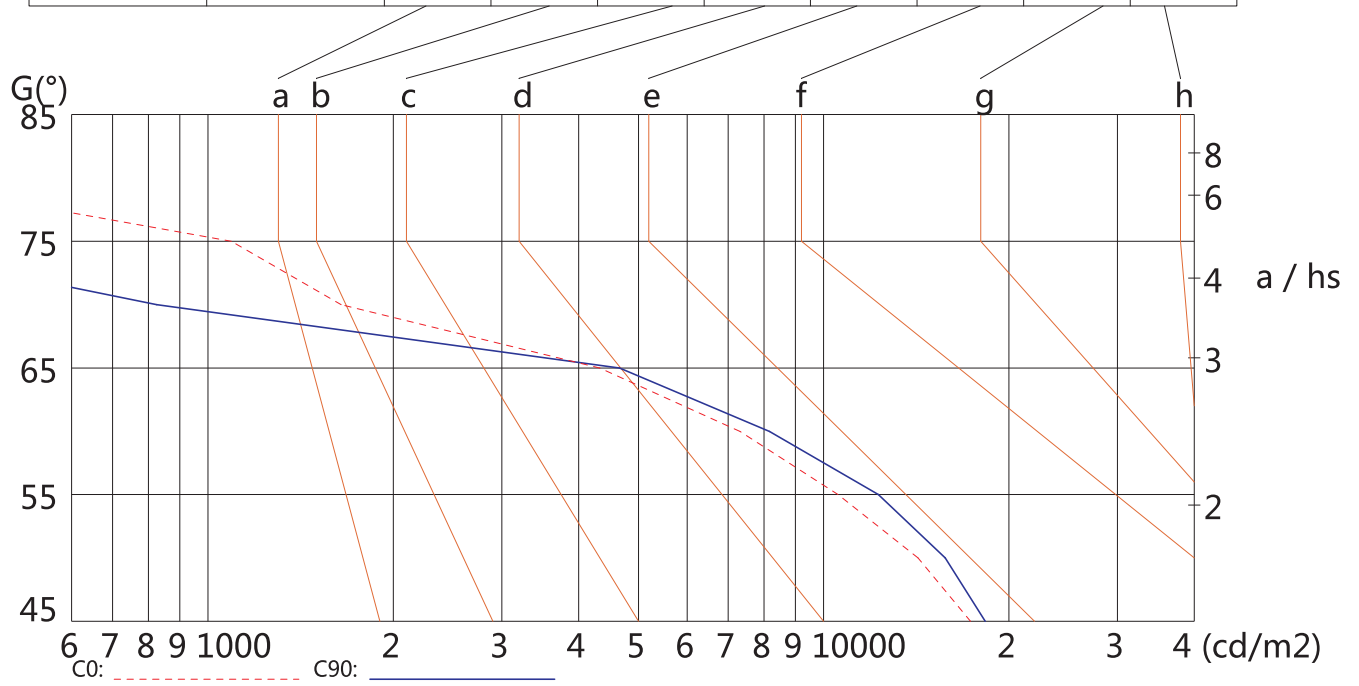
Luminance Limiting Curve

Diameter: mm
Length: 87mm
Width: 87mm
Height: 30mm

(cd/m²)

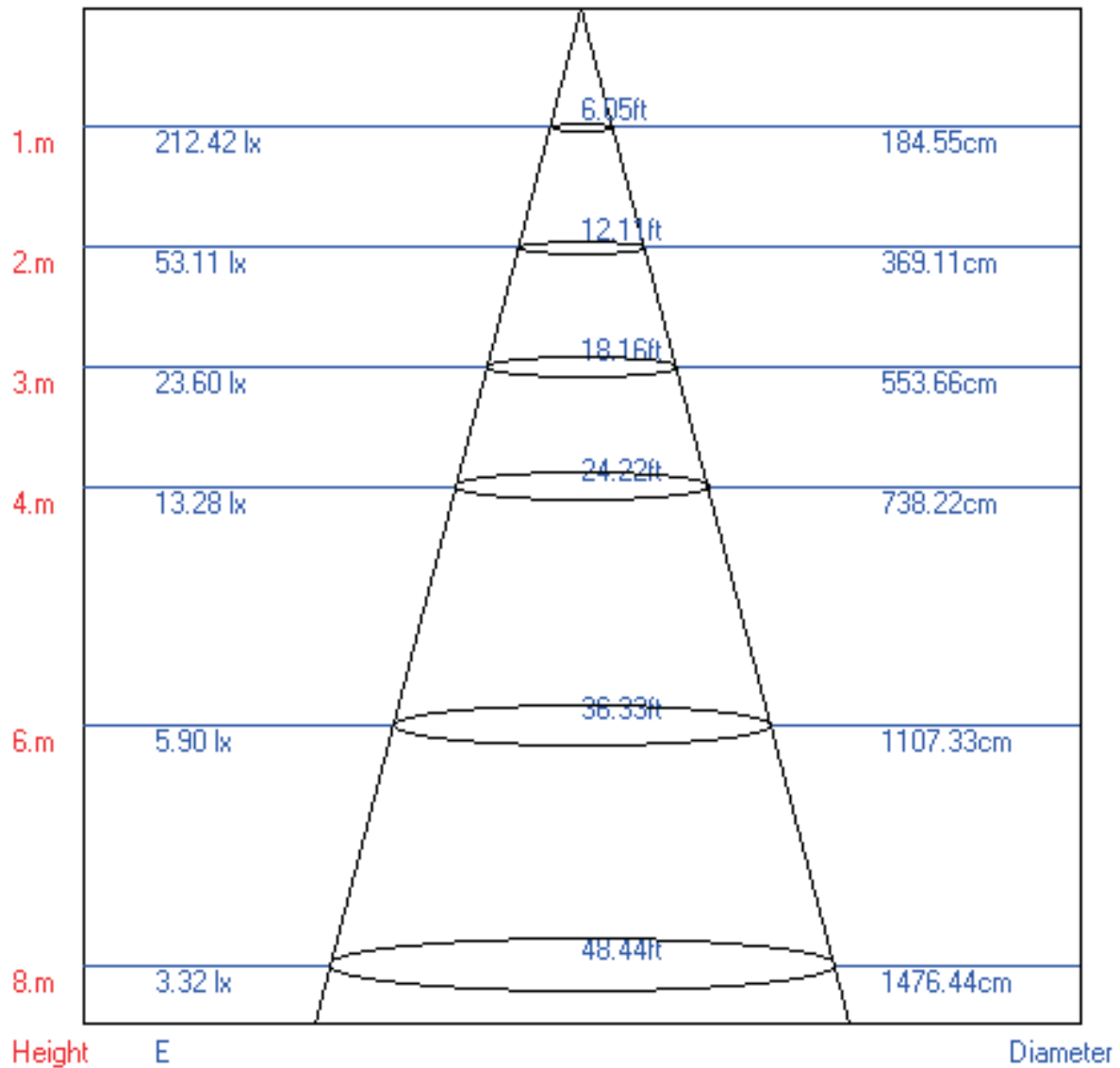
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	17315	14230	10549	7318	4329	1644			
C90	18308	15762	12266	8162	4660	826			

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)

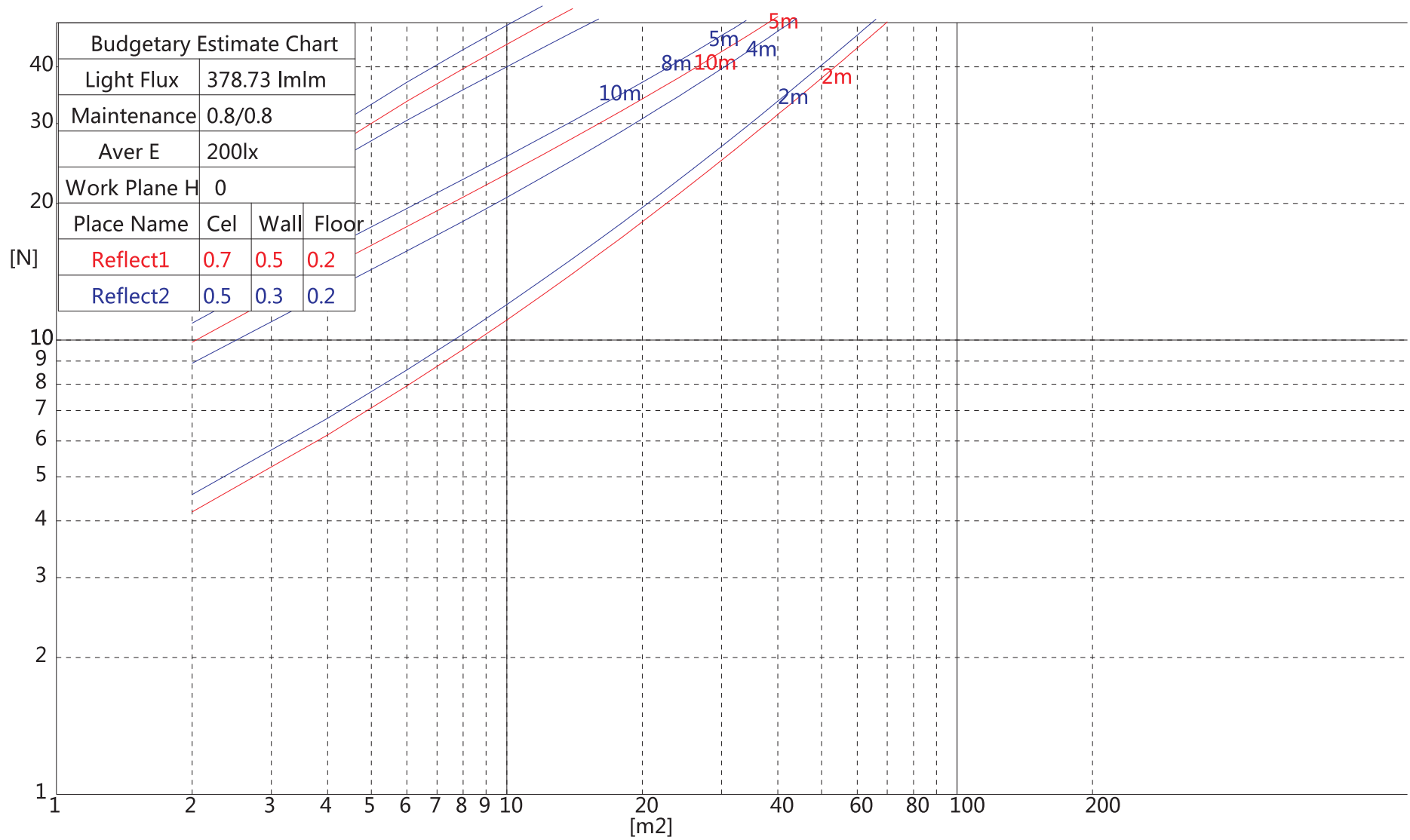
Lux-Distance Curve



Beam Angle:85.40

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	1.11	1.09	1.08	1.09	1.08	1.06	1.05	1.03	1.02	1.00	0.98	0.96	0.93	0.91	0.89	0.84
2	0.99	0.97	0.96	0.98	0.95	0.94	0.95	0.92	0.90	0.90	0.88	0.85	0.85	0.82	0.79	0.75
3	0.88	0.86	0.85	0.87	0.85	0.83	0.85	0.82	0.79	0.82	0.78	0.75	0.78	0.74	0.70	0.66
4	0.79	0.76	0.75	0.78	0.75	0.73	0.77	0.73	0.70	0.75	0.70	0.67	0.72	0.67	0.63	0.59
5	0.71	0.68	0.67	0.71	0.68	0.65	0.70	0.66	0.63	0.68	0.63	0.59	0.66	0.60	0.56	0.52
6	0.64	0.61	0.60	0.64	0.61	0.59	0.63	0.59	0.56	0.62	0.57	0.53	0.61	0.55	0.50	0.47
7	0.58	0.55	0.54	0.58	0.55	0.53	0.58	0.54	0.51	0.57	0.52	0.48	0.56	0.50	0.46	0.42
8	0.53	0.50	0.49	0.53	0.50	0.48	0.53	0.49	0.46	0.53	0.48	0.44	0.52	0.46	0.42	0.38
9	0.48	0.46	0.45	0.49	0.46	0.44	0.49	0.45	0.42	0.49	0.44	0.40	0.48	0.42	0.38	0.35
10	0.44	0.42	0.41	0.45	0.42	0.40	0.45	0.41	0.38	0.45	0.40	0.37	0.45	0.39	0.35	0.32



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	13.9	15.1	14.1	15.0	15.6	13.9	15.1	14.0	15.1	15.6
	3H	15.4	16.5	15.8	16.9	16.9	15.3	16.4	15.5	16.8	17.0
	4H	16.0	17.1	16.4	17.6	17.8	16.0	17.1	16.4	17.5	17.8
	6H	16.7	17.5	17.0	17.9	17.9	16.5	17.3	16.8	17.9	17.9
	8H	16.8	17.8	17.1	18.0	18.2	16.8	17.7	16.9	17.9	18.2
4H	12H	16.9	17.8	17.1	18.1	18.4	16.7	17.6	17.1	18.1	18.5
	2H	14.8	15.7	15.0	15.8	16.0	14.8	15.6	14.9	15.9	16.0
	3H	16.5	17.4	16.7	17.4	17.7	16.3	17.2	16.6	17.3	17.7
	4H	17.3	17.9	17.5	18.0	18.4	17.0	17.8	17.4	18.0	18.5
	6H	17.8	18.5	18.1	18.7	19.1	17.7	18.4	17.9	18.6	18.9
8H	8H	18.0	18.6	18.3	18.9	19.2	18.0	18.4	18.2	18.9	19.2
	12H	18.2	18.7	18.6	18.9	19.4	18.1	18.7	18.4	19.0	19.3
	4H	17.4	18.1	17.8	18.3	18.7	17.5	18.0	17.7	18.4	18.7
	6H	18.2	18.7	18.7	19.0	19.4	18.1	18.6	18.5	19.1	19.4
	8H	18.7	19.1	19.1	19.4	19.7	18.5	18.9	19.0	19.3	19.9
12H	12H	18.9	19.3	19.2	19.7	20.0	18.7	19.2	19.2	19.7	20.0
	4H	17.6	18.2	18.0	18.5	18.7	17.5	18.0	17.9	18.4	18.7
	6H	18.5	19.0	18.8	19.0	19.5	18.3	18.8	18.8	19.1	19.5
	8H	18.8	19.2	19.2	19.4	19.9	18.7	19.0	19.1	19.5	19.9