Luminaire Property

Luminaire: PL SQ 06W

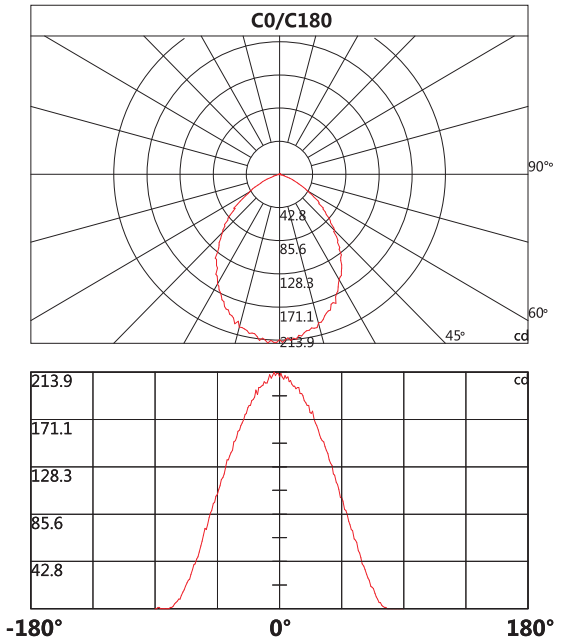
Report NO.:
Test NO.:
Lamp: 2835
Sum Lumens: 403.57 lm
Number of Lamps: 36
Diameter: mm
Length: 87mm
Photometric Type: Type C

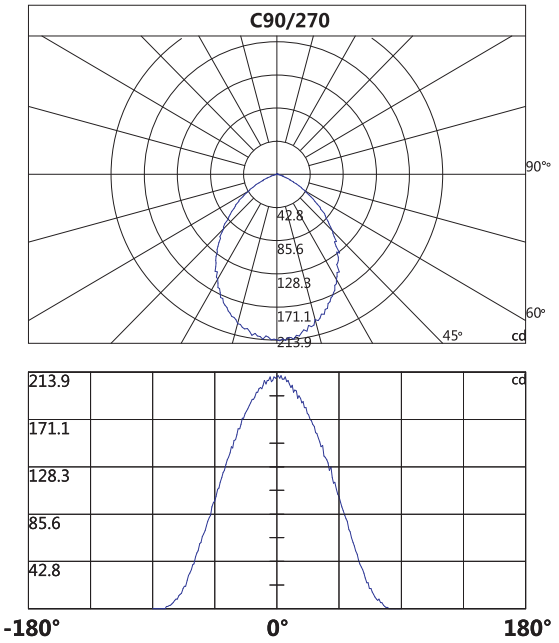
Voltage: 220.1 V
Current: 0.051 A
Power: 5.4 W
Power Factor: 0.968
Ballast Type:
Width: 87mm
Height: 20mm
Remark:

Photometric Results

Lumens: 403.57 lm
Effective luminous flux: 391.07 lm
Efficiency: N.A
Central Intensity: 209.635cd
Maximum Intensity: 213.908cd
Beam Angle(10%): Left: -65.8 Right:67.7

Angle of maximum intensity: C:150.0 G:4.0
Half Peak Side Angle(50%): Left: -43.1 Right:44.2
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	209.6	212.8	209.6	207.5	210.7	208.6	209.6	205.3	206.4	203.2
30.0	209.6	205.3	208.6	207.5	206.4	207.5	206.4	204.3	203.2	203.2
60.0	209.6	205.3	208.6	207.5	206.4	207.5	206.4	204.3	203.2	203.2
90.0	209.6	210.7	208.6	210.7	207.5	207.5	209.6	205.3	206.4	203.2
120.0	209.6	210.7	208.6	210.7	207.5	207.5	209.6	205.3	206.4	203.2
150.0	209.6	212.8	212.8	210.7	213.9	210.7	208.6	211.8	207.5	204.3
180.0	209.6	212.8	212.8	210.7	213.9	210.7	208.6	211.8	207.5	204.3
210.0	209.6	209.6	208.6	208.6	205.3	203.2	206.4	203.2	203.2	202.1
240.0	209.6	209.6	208.6	208.6	205.3	203.2	206.4	203.2	203.2	202.1
270.0	209.6	208.6	209.6	206.4	205.3	209.6	206.4	206.4	203.2	206.4
300.0	209.6	208.6	209.6	206.4	205.3	209.6	206.4	206.4	203.2	206.4
330.0	209.6	212.8	209.6	207.5	210.7	208.6	209.6	205.3	206.4	203.2
360.0	209.6	212.8	209.6	207.5	210.7	208.6	209.6	205.3	206.4	203.2

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	201.1	201.1	198.9	200.0	200.0	194.6	194.6	192.5	188.2	186.1
30.0	203.2	202.1	198.9	198.9	196.8	194.6	190.4	188.2	185.0	184.0
60.0	203.2	202.1	198.9	198.9	196.8	194.6	190.4	188.2	185.0	184.0
90.0	200.0	202.1	195.7	197.9	196.8	190.4	192.5	190.4	186.1	187.2
120.0	200.0	202.1	195.7	197.9	196.8	190.4	192.5	190.4	186.1	187.2
150.0	204.3	205.3	202.1	201.1	200.0	200.0	193.6	197.9	191.4	189.3
180.0	204.3	205.3	202.1	201.1	200.0	200.0	193.6	197.9	191.4	189.3
210.0	202.1	198.9	198.9	196.8	194.6	190.4	191.4	186.1	185.0	184.0
240.0	202.1	198.9	198.9	196.8	194.6	190.4	191.4	186.1	185.0	184.0
270.0	202.1	198.9	200.0	198.9	195.7	195.7	191.4	189.3	189.3	186.1
300.0	202.1	198.9	200.0	198.9	195.7	195.7	191.4	189.3	189.3	186.1
330.0	201.1	201.1	198.9	200.0	200.0	194.6	194.6	192.5	188.2	186.1
360.0	201.1	201.1	198.9	200.0	200.0	194.6	194.6	192.5	188.2	186.1

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	184.0	184.0	177.5	176.5	178.6	171.1	167.9	165.8	161.5	157.2
30.0	182.9	185.0	177.5	178.6	174.3	174.3	167.9	163.6	166.8	158.3
60.0	182.9	185.0	177.5	178.6	174.3	174.3	167.9	163.6	166.8	158.3
90.0	181.8	181.8	176.5	175.4	171.1	170.1	166.8	164.7	159.4	158.3
120.0	181.8	181.8	176.5	175.4	171.1	170.1	166.8	164.7	159.4	158.3
150.0	188.2	184.0	184.0	181.8	176.5	175.4	171.1	167.9	165.8	161.5
180.0	188.2	184.0	184.0	181.8	176.5	175.4	171.1	167.9	165.8	161.5
210.0	178.6	178.6	175.4	172.2	169.0	165.8	165.8	162.6	158.3	156.1
240.0	178.6	178.6	175.4	172.2	169.0	165.8	165.8	162.6	158.3	156.1
270.0	184.0	180.7	178.6	176.5	172.2	172.2	166.8	162.6	162.6	157.2
300.0	184.0	180.7	178.6	176.5	172.2	172.2	166.8	162.6	162.6	157.2
330.0	184.0	184.0	177.5	176.5	178.6	171.1	167.9	165.8	161.5	157.2
360.0	184.0	184.0	177.5	176.5	178.6	171.1	167.9	165.8	161.5	157.2

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	154.0	151.9	150.8	146.5	143.3	140.1	134.8	131.6	129.4	121.9
30.0	157.2	155.1	149.7	151.9	142.2	138.0	135.8	128.3	126.2	123.0
60.0	157.2	155.1	149.7	151.9	142.2	138.0	135.8	128.3	126.2	123.0
90.0	154.0	150.8	146.5	147.6	138.0	136.9	134.8	131.6	125.1	128.3
120.0	154.0	150.8	146.5	147.6	138.0	136.9	134.8	131.6	125.1	128.3
150.0	160.4	155.1	151.9	150.8	143.3	141.2	138.0	134.8	134.8	127.3
180.0	160.4	155.1	151.9	150.8	143.3	141.2	138.0	134.8	134.8	127.3
210.0	148.7	150.8	145.5	144.4	138.0	133.7	130.5	128.3	124.1	117.6
240.0	148.7	150.8	145.5	144.4	138.0	133.7	130.5	128.3	124.1	117.6
270.0	152.9	151.9	145.5	146.5	141.2	136.9	134.8	130.5	125.1	123.0
300.0	152.9	151.9	145.5	146.5	141.2	136.9	134.8	130.5	125.1	123.0
330.0	154.0	151.9	150.8	146.5	143.3	140.1	134.8	131.6	129.4	121.9
360.0	154.0	151.9	150.8	146.5	143.3	140.1	134.8	131.6	129.4	121.9

C\G	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	120.9	114.4	112.3	108.0	100.5	100.5	97.3	89.8	88.8	85.6
30.0	117.6	116.6	113.4	108.0	104.8	101.6	95.2	94.1	88.8	85.6
60.0	117.6	116.6	113.4	108.0	104.8	101.6	95.2	94.1	88.8	85.6
90.0	118.7	113.4	114.4	108.0	103.7	101.6	96.3	92.0	88.8	84.5
120.0	118.7	113.4	114.4	108.0	103.7	101.6	96.3	92.0	88.8	84.5
150.0	121.9	118.7	116.6	111.2	108.0	103.7	101.6	96.3	95.2	88.8
180.0	121.9	118.7	116.6	111.2	108.0	103.7	101.6	96.3	95.2	88.8
210.0	116.6	110.2	108.0	104.8	102.7	96.3	94.1	90.9	85.6	82.4
240.0	116.6	110.2	108.0	104.8	102.7	96.3	94.1	90.9	85.6	82.4
270.0	118.7	114.4	109.1	108.0	101.6	97.3	96.3	92.0	84.5	82.4
300.0	118.7	114.4	109.1	108.0	101.6	97.3	96.3	92.0	84.5	82.4
330.0	120.9	114.4	112.3	108.0	100.5	100.5	97.3	89.8	88.8	85.6
360.0	120.9	114.4	112.3	108.0	100.5	100.5	97.3	89.8	88.8	85.6

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	79.1	75.9	71.7	70.6	63.1	62.0	59.9	52.4	50.3	46.0
30.0	81.3	78.1	77.0	70.6	67.4	64.2	59.9	54.6	47.1	44.9
60.0	81.3	78.1	77.0	70.6	67.4	64.2	59.9	54.6	47.1	44.9
90.0	81.3	79.1	71.7	69.5	64.2	59.9	56.7	52.4	49.2	43.9
120.0	81.3	79.1	71.7	69.5	64.2	59.9	56.7	52.4	49.2	43.9
150.0	86.6	82.4	75.9	71.7	72.7	66.3	61.0	56.7	51.3	47.1
180.0	86.6	82.4	75.9	71.7	72.7	66.3	61.0	56.7	51.3	47.1
210.0	81.3	73.8	72.7	67.4	62.0	59.9	56.7	51.3	46.0	46.0
240.0	81.3	73.8	72.7	67.4	62.0	59.9	56.7	51.3	46.0	46.0
270.0	79.1	74.9	70.6	67.4	65.2	59.9	58.8	52.4	50.3	47.1
300.0	79.1	74.9	70.6	67.4	65.2	59.9	58.8	52.4	50.3	47.1
330.0	79.1	75.9	71.7	70.6	63.1	62.0	59.9	52.4	50.3	46.0
360.0	79.1	75.9	71.7	70.6	63.1	62.0	59.9	52.4	50.3	46.0

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	40.6	38.5	35.3	31.0	27.8	25.7	20.3	19.3	18.2	13.9
30.0	46.0	39.6	37.4	33.2	28.9	27.8	22.5	20.3	18.2	18.2
60.0	46.0	39.6	37.4	33.2	28.9	27.8	22.5	20.3	18.2	18.2
90.0	40.6	37.4	35.3	32.1	27.8	23.5	23.5	18.2	18.2	15.0
120.0	40.6	37.4	35.3	32.1	27.8	23.5	23.5	18.2	18.2	15.0
150.0	44.9	40.6	39.6	35.3	31.0	26.7	25.7	23.5	20.3	17.1
180.0	44.9	40.6	39.6	35.3	31.0	26.7	25.7	23.5	20.3	17.1
210.0	41.7	38.5	33.2	32.1	30.0	26.7	22.5	19.3	18.2	13.9
240.0	41.7	38.5	33.2	32.1	30.0	26.7	22.5	19.3	18.2	13.9
270.0	40.6	39.6	35.3	32.1	30.0	25.7	20.3	20.3	18.2	13.9
300.0	40.6	39.6	35.3	32.1	30.0	25.7	20.3	20.3	18.2	13.9
330.0	40.6	38.5	35.3	31.0	27.8	25.7	20.3	19.3	18.2	13.9
360.0	40.6	38.5	35.3	31.0	27.8	25.7	20.3	19.3	18.2	13.9

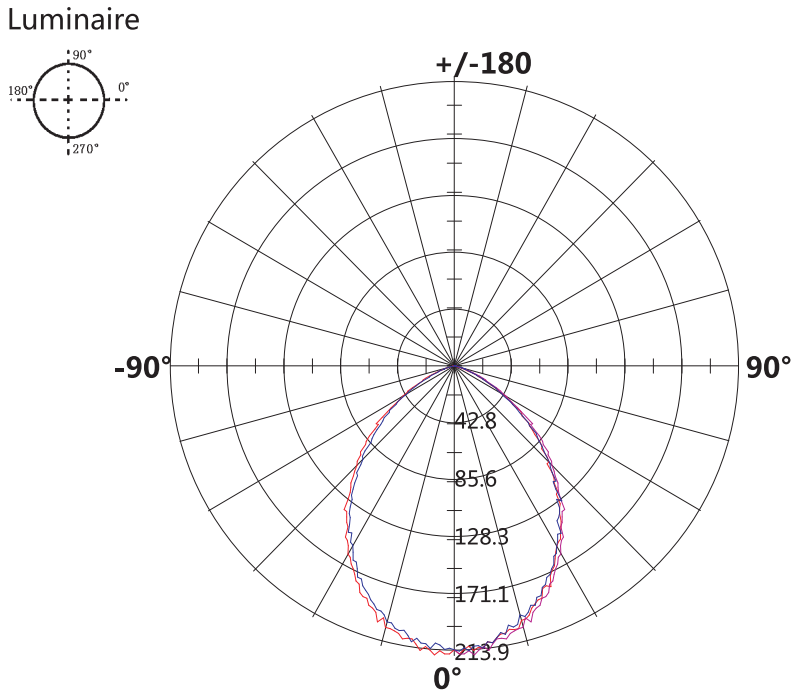
C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	10.7	8.5	5.4	5.4	3.2	2.1	1.1	1.1	0.0	0.0
30.0	13.9	10.7	10.7	8.5	7.5	6.4	4.3	3.2	3.2	2.1
60.0	13.9	10.7	10.7	8.5	7.5	6.4	4.3	3.2	3.2	2.1
90.0	12.8	10.7	8.5	7.5	8.5	5.4	5.4	3.2	2.1	1.1
120.0	12.8	10.7	8.5	7.5	8.5	5.4	5.4	3.2	2.1	1.1
150.0	15.0	11.8	8.5	8.5	7.0	5.4	4.3	2.1	1.1	1.1
180.0	15.0	11.8	8.5	8.5	7.0	5.4	4.3	2.1	1.1	1.1
210.0	13.9	10.7	8.5	8.5	6.4	6.4	4.3	3.2	2.1	1.6
240.0	13.9	10.7	8.5	8.5	6.4	6.4	4.3	3.2	2.1	1.6
270.0	12.8	11.8	8.5	8.5	7.5	5.4	4.3	3.2	2.7	2.1
300.0	12.8	11.8	8.5	8.5	7.5	5.4	4.3	3.2	2.7	2.1
330.0	10.7	8.5	5.4	5.4	3.2	2.1	1.1	1.1	0.0	0.0
360.0	10.7	8.5	5.4	5.4	3.2	2.1	1.1	1.1	0.0	0.0

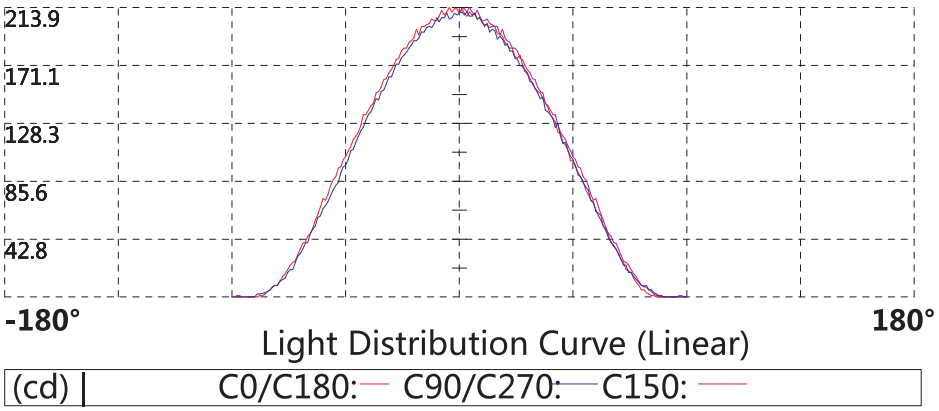
C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
60.0	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
90.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	0.0
210.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0	2.1	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]

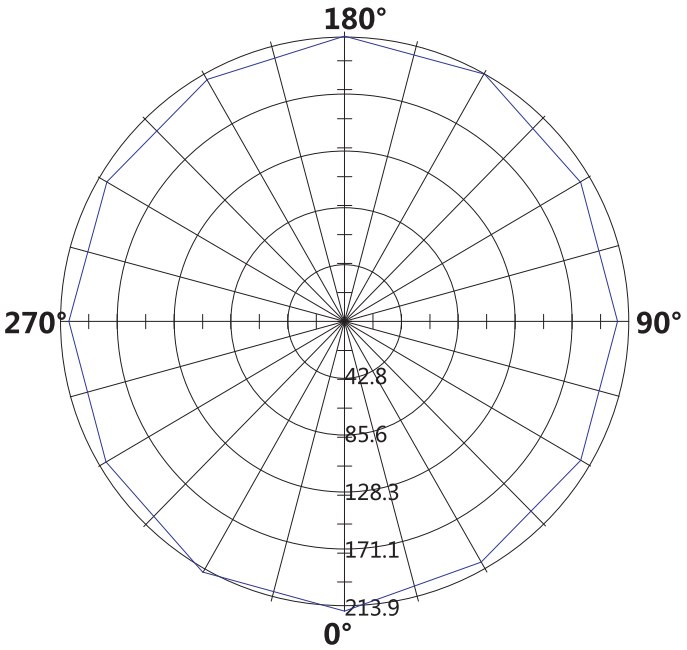
C\G	90.0
0.0	0.0
30.0	0.0
60.0	0.0
90.0	0.0
120.0	0.0
150.0	0.0
180.0	0.0
210.0	0.0
240.0	0.0
270.0	0.0
300.0	0.0
330.0	0.0
360.0	0.0

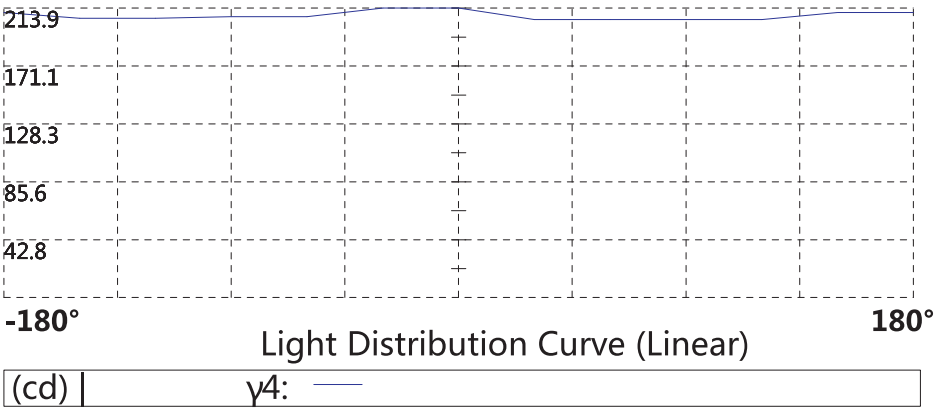
Light Distribution Curve [Unit: cd]



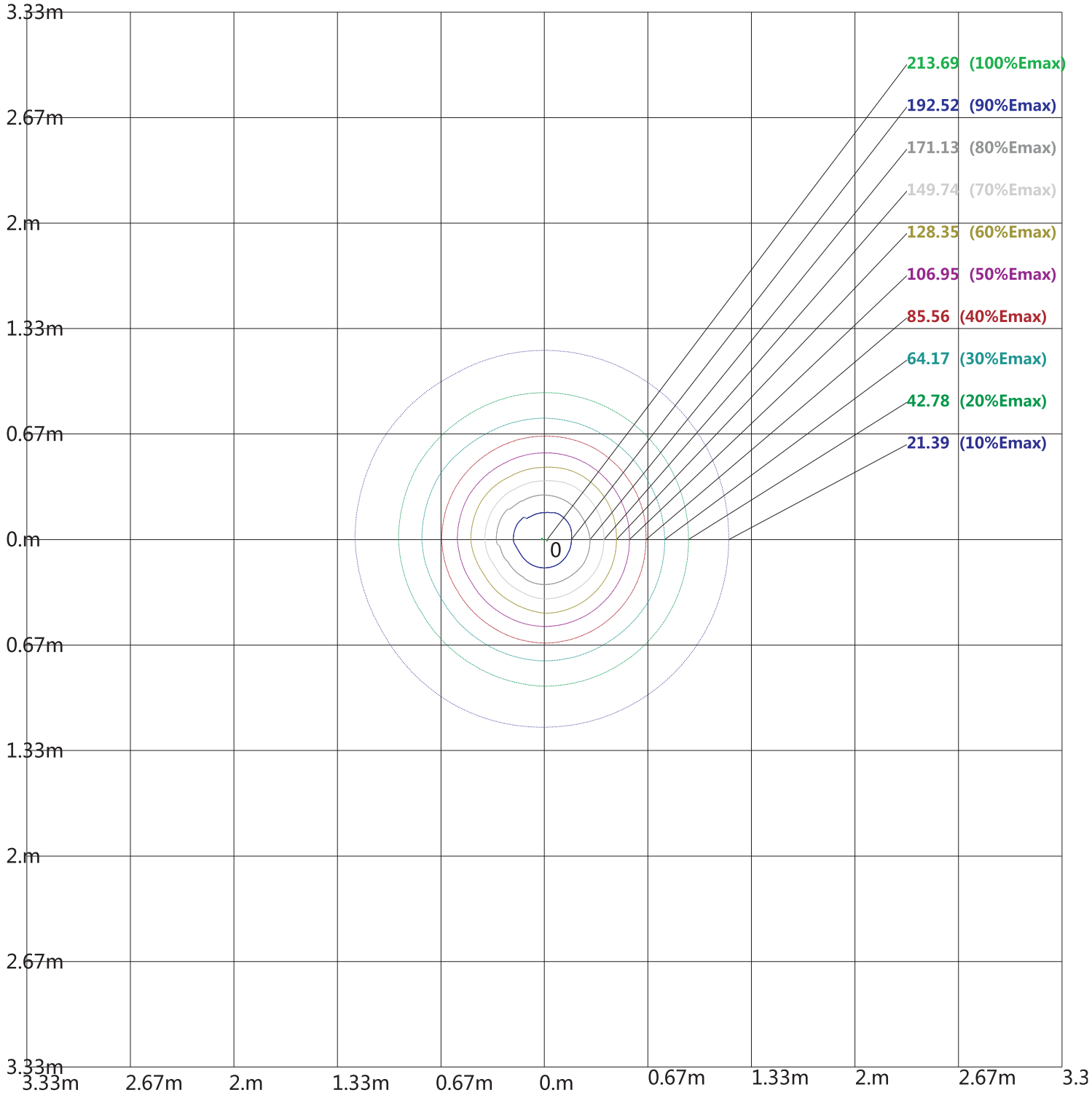


Max Plane Light Distribution Curve [Unit: cd]





Iso-Lux[lx]



Height: 1 m
Max Illuminance : 213.91lx

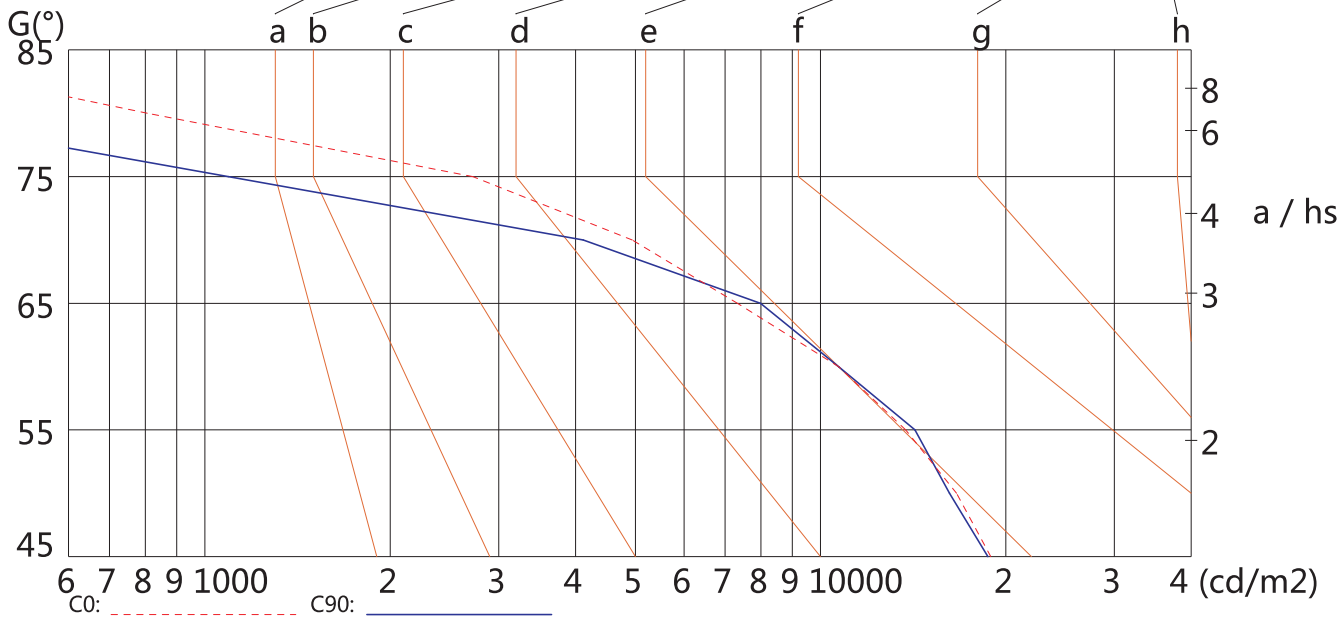
Luminance Limitting Curve

Diameter: mm
Length: 87mm
Width: 87mm
Height: 20mm

(cd/m2)

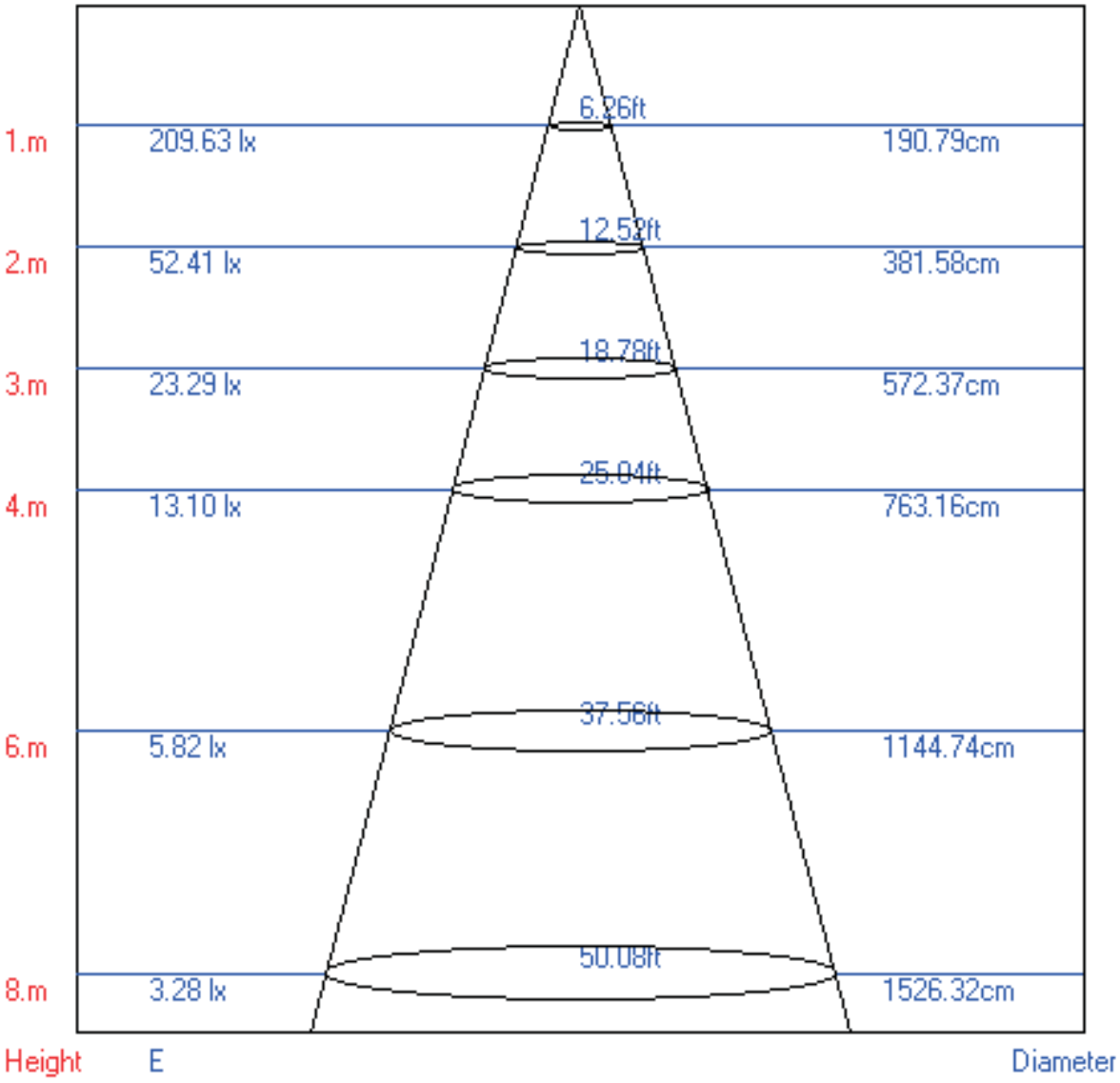
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	18905	16637	13738	10697	7327	4940	2723		
C90	18708	16201	14231	10697	7989	4114	1091		

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



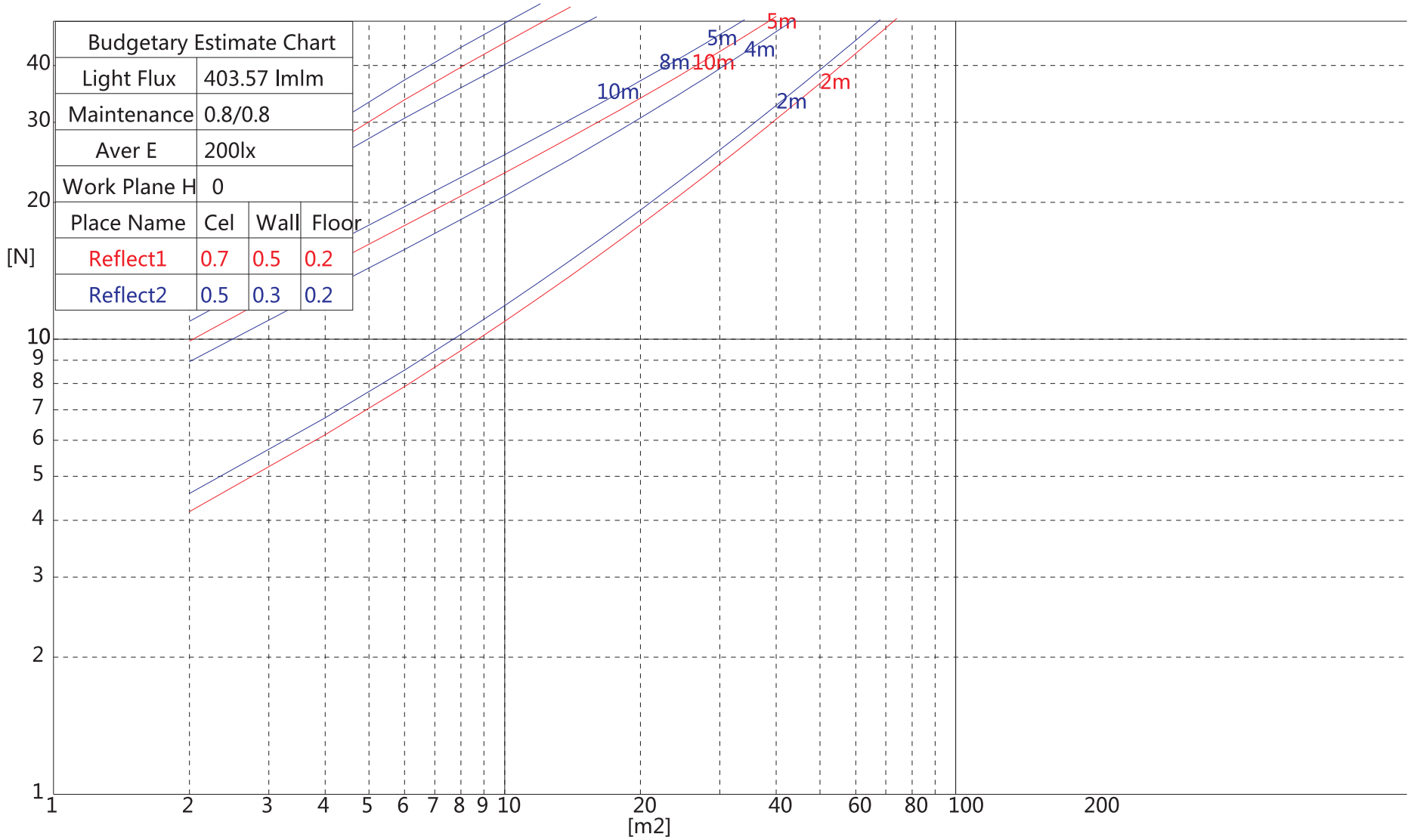
Beam Angle:87.30°

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	1.09	1.08	1.07	1.08	1.06	1.05	1.04	1.02	1.01	0.99	0.97	0.95	0.92	0.90	0.88	0.83
2	0.97	0.95	0.93	0.96	0.93	0.91	0.93	0.90	0.88	0.89	0.86	0.83	0.84	0.80	0.77	0.73
3	0.85	0.83	0.81	0.85	0.82	0.80	0.83	0.79	0.76	0.80	0.76	0.73	0.76	0.72	0.68	0.64
4	0.76	0.73	0.72	0.75	0.72	0.70	0.74	0.70	0.67	0.72	0.68	0.64	0.69	0.64	0.60	0.56
5	0.67	0.65	0.63	0.68	0.64	0.62	0.67	0.63	0.59	0.66	0.60	0.57	0.63	0.58	0.53	0.50
6	0.60	0.58	0.57	0.61	0.58	0.55	0.61	0.56	0.53	0.60	0.54	0.50	0.58	0.52	0.48	0.44
7	0.55	0.52	0.51	0.55	0.52	0.50	0.55	0.51	0.48	0.55	0.49	0.45	0.54	0.48	0.43	0.40
8	0.50	0.47	0.46	0.50	0.47	0.45	0.51	0.46	0.43	0.50	0.45	0.41	0.50	0.44	0.39	0.36
9	0.45	0.43	0.42	0.46	0.43	0.41	0.46	0.42	0.39	0.47	0.41	0.37	0.46	0.40	0.36	0.33
10	0.42	0.39	0.38	0.42	0.39	0.37	0.43	0.39	0.36	0.43	0.38	0.34	0.43	0.37	0.33	0.30

SUPERLIGHT
LED test report

Budgetary Estimate Chart			
Light Flux	403.57 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



Equipment:LINKCOLOR LCG-GONIO
Temperature:25 Deg
Date:2018-08-22
Humidity:60%
Operator:Ms.Delia

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
	12H	16.9	17.8	17.1	18.1	18.4	16.7	17.6	17.1	18.1	18.5
4H	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	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
8H	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	18.9	19.3	19.2	19.7	20.0	18.7	19.2	19.2	19.7	20.0
12H	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