

Luminaire Property

Luminaire: DL RD 06W

Report NO.:

Test NO.:

Lamp: 2835

Sum Lumens: 428.42 lm

Number of Lamps: 36

Diameter: 87mm

Length: mm

Photometric Type: Type C

Voltage: 220.3 V

Current: 0.05 A

Power: 5.4 W

Power Factor: 0.973

Ballast Type:

Width: mm

Height: 30mm

Remark:

Photometric Results

Lumens: 428.42 lm

Effective luminous flux: 417.31 lm

Efficiency: N.A

Central Intensity: 240.652cd

Maximum Intensity: 241.715cd

Beam Angle(10%): Left: -64.5 Right:60.8

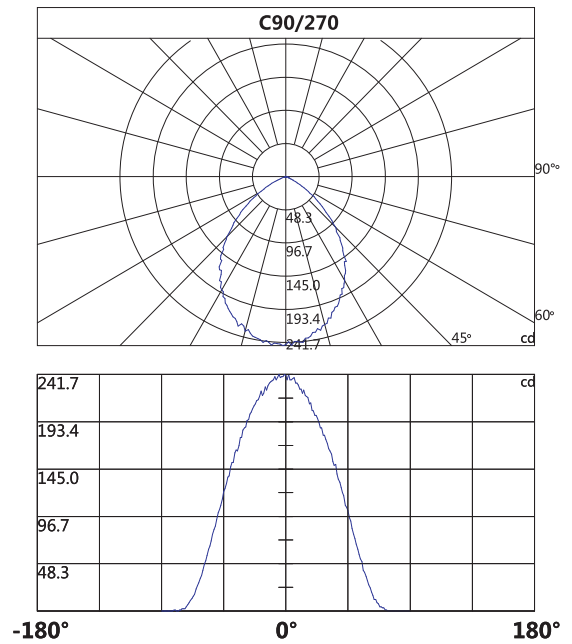
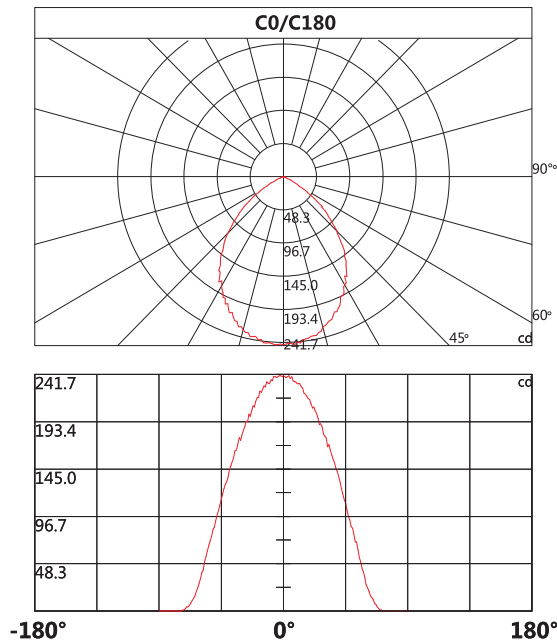
Angle of maximum intensity: C:90.0 G:2.0

Half Peak Side Angle(50%): Left: -45.1 Right:41.0

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	240.7	239.6	238.5	239.6	240.7	237.4	239.6	235.3	234.2	234.2
30.0	240.7	237.4	235.3	236.4	238.5	234.2	234.2	232.1	228.9	229.9
60.0	240.7	237.4	235.3	236.4	238.5	234.2	234.2	232.1	228.9	229.9
90.0	240.7	236.4	241.7	236.4	236.4	237.4	238.5	233.1	233.1	231.0
120.0	240.7	236.4	241.7	236.4	236.4	237.4	238.5	233.1	233.1	231.0
150.0	240.7	239.6	240.7	240.7	239.6	238.5	239.6	239.6	235.3	236.4
180.0	240.7	239.6	240.7	240.7	239.6	238.5	239.6	239.6	235.3	236.4
210.0	240.7	239.6	237.4	238.5	237.4	235.3	239.6	236.4	233.1	233.1
240.0	240.7	239.6	237.4	238.5	237.4	235.3	239.6	236.4	233.1	233.1
270.0	240.7	241.7	239.6	239.6	238.5	241.7	238.5	236.4	239.6	236.4
300.0	240.7	241.7	239.6	239.6	238.5	241.7	238.5	236.4	239.6	236.4
330.0	240.7	239.6	238.5	239.6	240.7	237.4	239.6	235.3	234.2	234.2
360.0	240.7	239.6	238.5	239.6	240.7	237.4	239.6	235.3	234.2	234.2

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	232.1	232.1	232.1	228.9	227.8	222.5	221.4	219.2	217.1	216.0
30.0	228.9	224.6	226.7	222.5	221.4	218.2	216.0	216.0	212.8	208.6
60.0	228.9	224.6	226.7	222.5	221.4	218.2	216.0	216.0	212.8	208.6
90.0	226.7	226.7	222.5	225.7	220.3	219.2	218.2	211.8	212.8	205.3
120.0	226.7	226.7	222.5	225.7	220.3	219.2	218.2	211.8	212.8	205.3
150.0	232.1	233.1	234.2	228.9	229.9	226.7	223.5	224.6	218.2	218.2
180.0	232.1	233.1	234.2	228.9	229.9	226.7	223.5	224.6	218.2	218.2
210.0	231.0	232.1	232.1	227.8	228.9	225.7	225.7	222.5	216.0	219.2
240.0	231.0	232.1	232.1	227.8	228.9	225.7	225.7	222.5	216.0	219.2
270.0	235.3	234.2	233.1	229.9	225.7	228.9	222.5	220.3	224.6	219.2
300.0	235.3	234.2	233.1	229.9	225.7	228.9	222.5	220.3	224.6	219.2
330.0	232.1	232.1	232.1	228.9	227.8	222.5	221.4	219.2	217.1	216.0
360.0	232.1	232.1	232.1	228.9	227.8	222.5	221.4	219.2	217.1	216.0

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	211.8	207.5	208.6	204.3	202.1	196.8	190.4	191.4	188.2	180.7
30.0	207.5	201.1	200.0	196.8	192.5	189.3	187.2	182.9	179.7	176.5
60.0	207.5	201.1	200.0	196.8	192.5	189.3	187.2	182.9	179.7	176.5
90.0	204.3	200.0	200.0	196.8	192.5	187.2	187.2	179.7	179.7	175.4
120.0	204.3	200.0	200.0	196.8	192.5	187.2	187.2	179.7	179.7	175.4
150.0	213.9	208.6	209.6	205.3	198.9	201.1	193.6	193.6	188.2	185.0
180.0	213.9	208.6	209.6	205.3	198.9	201.1	193.6	193.6	188.2	185.0
210.0	212.8	207.5	208.6	205.3	202.1	198.9	192.5	194.6	188.2	185.0
240.0	212.8	207.5	208.6	205.3	202.1	198.9	192.5	194.6	188.2	185.0
270.0	216.0	215.0	211.8	209.6	206.4	203.2	201.1	195.7	194.6	188.2
300.0	216.0	215.0	211.8	209.6	206.4	203.2	201.1	195.7	194.6	188.2
330.0	211.8	207.5	208.6	204.3	202.1	196.8	190.4	191.4	188.2	180.7
360.0	211.8	207.5	208.6	204.3	202.1	196.8	190.4	191.4	188.2	180.7

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	178.6	177.5	167.9	170.1	164.7	159.4	155.1	151.9	145.5	142.2
30.0	171.1	169.0	165.8	159.4	157.2	152.9	149.7	141.2	140.1	132.6
60.0	171.1	169.0	165.8	159.4	157.2	152.9	149.7	141.2	140.1	132.6
90.0	171.1	165.8	163.6	160.4	152.9	148.7	149.7	140.1	134.8	131.6
120.0	171.1	165.8	163.6	160.4	152.9	148.7	149.7	140.1	134.8	131.6
150.0	179.7	174.3	177.5	170.1	164.7	163.6	156.1	152.9	148.7	144.4
180.0	179.7	174.3	177.5	170.1	164.7	163.6	156.1	152.9	148.7	144.4
210.0	184.0	177.5	174.3	171.1	167.9	162.6	160.4	158.3	149.7	144.4
240.0	184.0	177.5	174.3	171.1	167.9	162.6	160.4	158.3	149.7	144.4
270.0	187.2	185.0	177.5	177.5	169.0	163.6	164.7	161.5	151.9	151.9
300.0	187.2	185.0	177.5	177.5	169.0	163.6	164.7	161.5	151.9	151.9
330.0	178.6	177.5	167.9	170.1	164.7	159.4	155.1	151.9	145.5	142.2
360.0	178.6	177.5	167.9	170.1	164.7	159.4	155.1	151.9	145.5	142.2

C\G	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	138.0	131.6	125.1	119.8	113.4	110.2	103.7	96.3	93.1	86.6
30.0	128.3	125.1	116.6	111.2	108.0	101.6	98.4	92.0	85.6	81.3
60.0	128.3	125.1	116.6	111.2	108.0	101.6	98.4	92.0	85.6	81.3
90.0	126.2	120.9	117.6	108.0	105.9	102.7	95.2	92.0	84.5	78.1
120.0	126.2	120.9	117.6	108.0	105.9	102.7	95.2	92.0	84.5	78.1
150.0	136.9	132.6	129.4	125.1	119.8	114.4	108.0	102.7	98.4	92.0
180.0	136.9	132.6	129.4	125.1	119.8	114.4	108.0	102.7	98.4	92.0
210.0	142.2	135.8	131.6	127.3	120.9	117.6	113.4	104.8	99.5	94.1
240.0	142.2	135.8	131.6	127.3	120.9	117.6	113.4	104.8	99.5	94.1
270.0	147.6	138.0	136.9	130.5	125.1	121.9	114.4	108.0	103.7	100.5
300.0	147.6	138.0	136.9	130.5	125.1	121.9	114.4	108.0	103.7	100.5
330.0	138.0	131.6	125.1	119.8	113.4	110.2	103.7	96.3	93.1	86.6
360.0	138.0	131.6	125.1	119.8	113.4	110.2	103.7	96.3	93.1	86.6

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	84.5	78.1	70.6	70.6	62.0	54.6	50.3	42.8	39.6	34.2
30.0	75.9	70.6	64.2	61.0	55.6	50.3	46.0	42.8	37.4	32.1
60.0	75.9	70.6	64.2	61.0	55.6	50.3	46.0	42.8	37.4	32.1
90.0	73.8	68.5	63.1	57.8	53.5	50.3	41.7	39.6	35.3	31.0
120.0	73.8	68.5	63.1	57.8	53.5	50.3	41.7	39.6	35.3	31.0
150.0	85.6	83.4	75.9	71.7	67.4	61.0	55.6	51.3	41.7	39.6
180.0	85.6	83.4	75.9	71.7	67.4	61.0	55.6	51.3	41.7	39.6
210.0	94.1	83.4	80.2	78.1	70.6	64.2	59.9	53.5	50.3	44.9
240.0	94.1	83.4	80.2	78.1	70.6	64.2	59.9	53.5	50.3	44.9
270.0	93.1	86.6	83.4	78.1	71.7	66.3	63.1	56.7	51.3	48.1
300.0	93.1	86.6	83.4	78.1	71.7	66.3	63.1	56.7	51.3	48.1
330.0	84.5	78.1	70.6	70.6	62.0	54.6	50.3	42.8	39.6	34.2
360.0	84.5	78.1	70.6	70.6	62.0	54.6	50.3	42.8	39.6	34.2

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	26.7	23.5	20.3	15.0	13.9	11.8	7.5	6.4	4.3	2.1
30.0	28.9	22.5	22.5	18.2	15.0	12.8	11.8	8.5	7.5	5.4
60.0	28.9	22.5	22.5	18.2	15.0	12.8	11.8	8.5	7.5	5.4
90.0	26.7	23.5	19.3	16.0	11.8	11.8	8.5	7.5	4.3	4.3
120.0	26.7	23.5	19.3	16.0	11.8	11.8	8.5	7.5	4.3	4.3
150.0	33.2	27.8	23.5	20.3	15.0	12.8	10.7	8.5	5.4	4.3
180.0	33.2	27.8	23.5	20.3	15.0	12.8	10.7	8.5	5.4	4.3
210.0	40.6	34.2	33.2	26.7	23.5	22.5	16.0	13.9	11.8	9.6
240.0	40.6	34.2	33.2	26.7	23.5	22.5	16.0	13.9	11.8	9.6
270.0	41.7	36.4	33.2	28.9	25.7	22.5	17.1	15.0	12.8	10.7
300.0	41.7	36.4	33.2	28.9	25.7	22.5	17.1	15.0	12.8	10.7
330.0	26.7	23.5	20.3	15.0	13.9	11.8	7.5	6.4	4.3	2.1
360.0	26.7	23.5	20.3	15.0	13.9	11.8	7.5	6.4	4.3	2.1

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.2	3.2	3.2	3.2	2.1	1.1	0.0	0.0	0.0	0.0
60.0	3.2	3.2	3.2	3.2	2.1	1.1	0.0	0.0	0.0	0.0
90.0	3.2	3.2	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
120.0	3.2	3.2	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
150.0	4.3	2.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
180.0	4.3	2.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
210.0	8.5	7.5	4.3	4.3	3.2	2.1	1.1	0.0	0.0	0.0
240.0	8.5	7.5	4.3	4.3	3.2	2.1	1.1	0.0	0.0	0.0
270.0	8.5	6.4	4.3	2.1	2.1	2.1	1.1	1.1	0.0	0.0
300.0	8.5	6.4	4.3	2.1	2.1	2.1	1.1	1.1	0.0	0.0
330.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

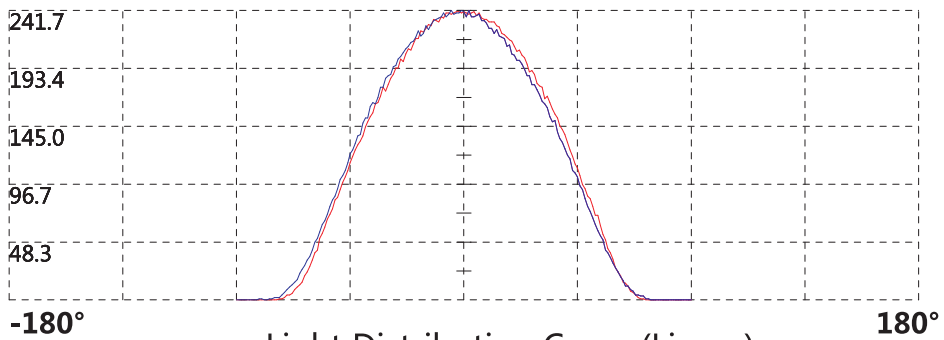
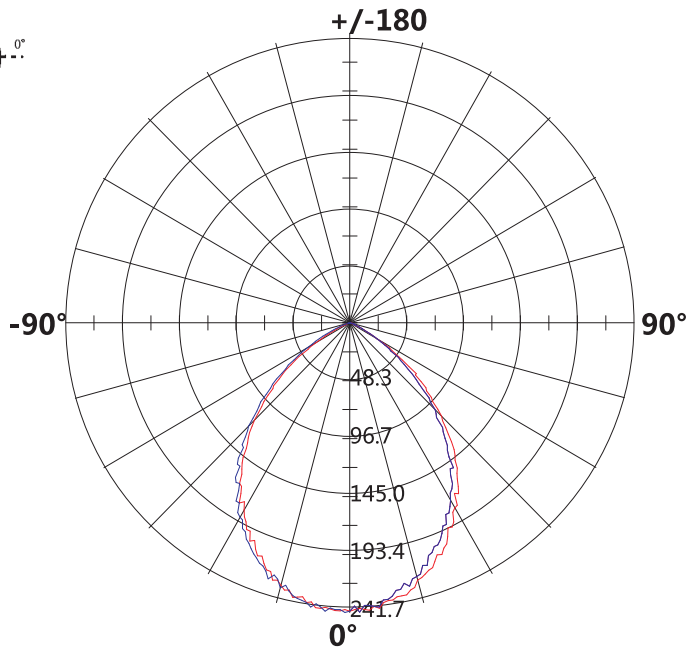
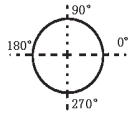
C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0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

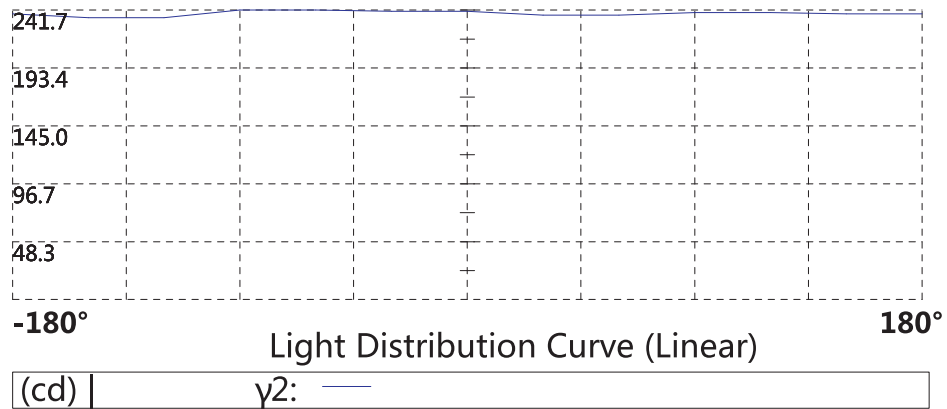
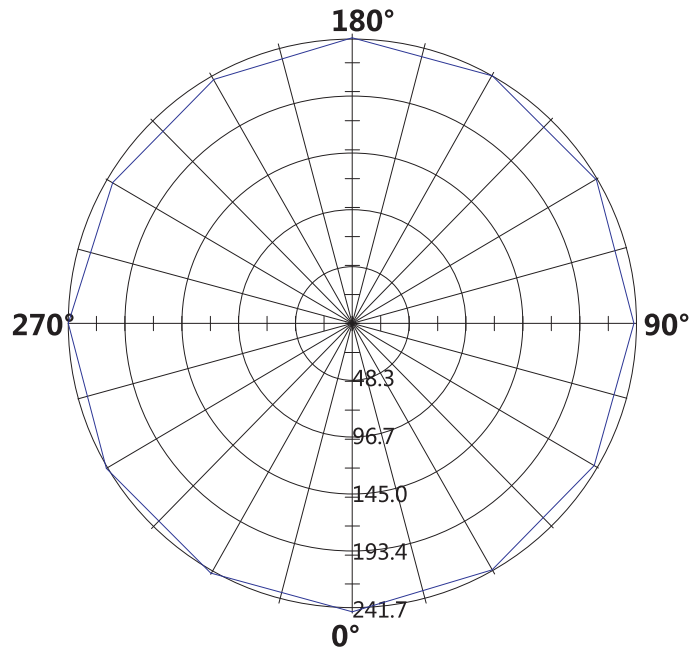
Luminaire



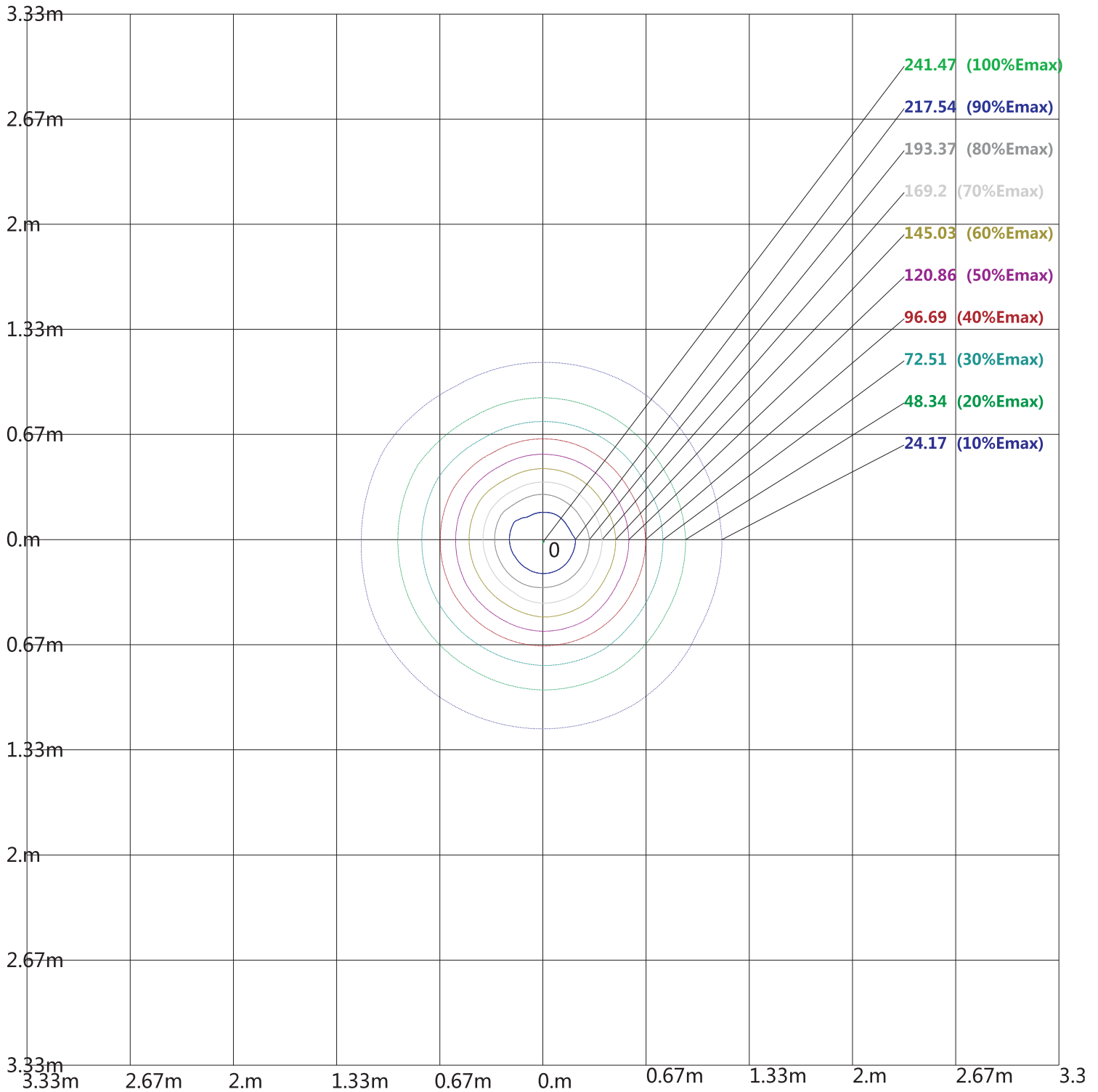
Light Distribution Curve (Linear)

(cd) | C0/C180: — C90/C270: — C90: —

Max Plane Light Distribution Curve [Unit: cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 241.71lx

Luminance Limiting Curve

Diameter: 87mm

Length: mm

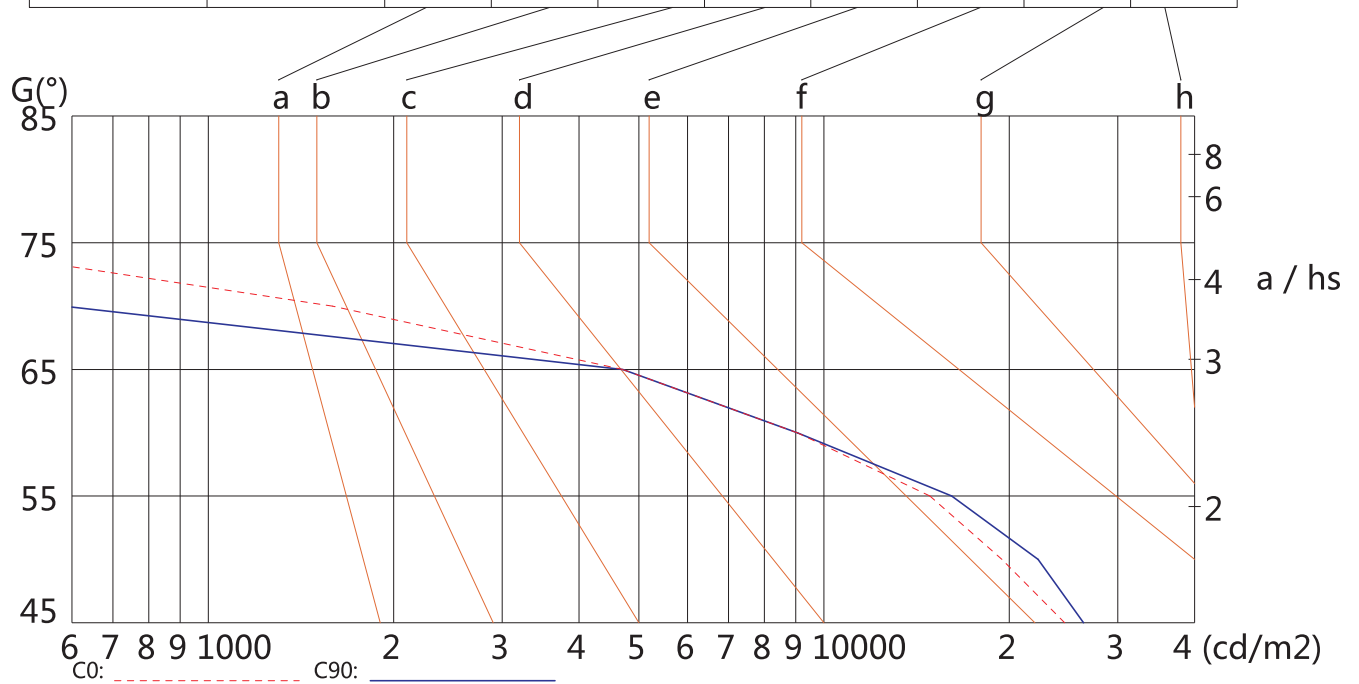
Width: mm

Height: 30mm

(cd/m²)

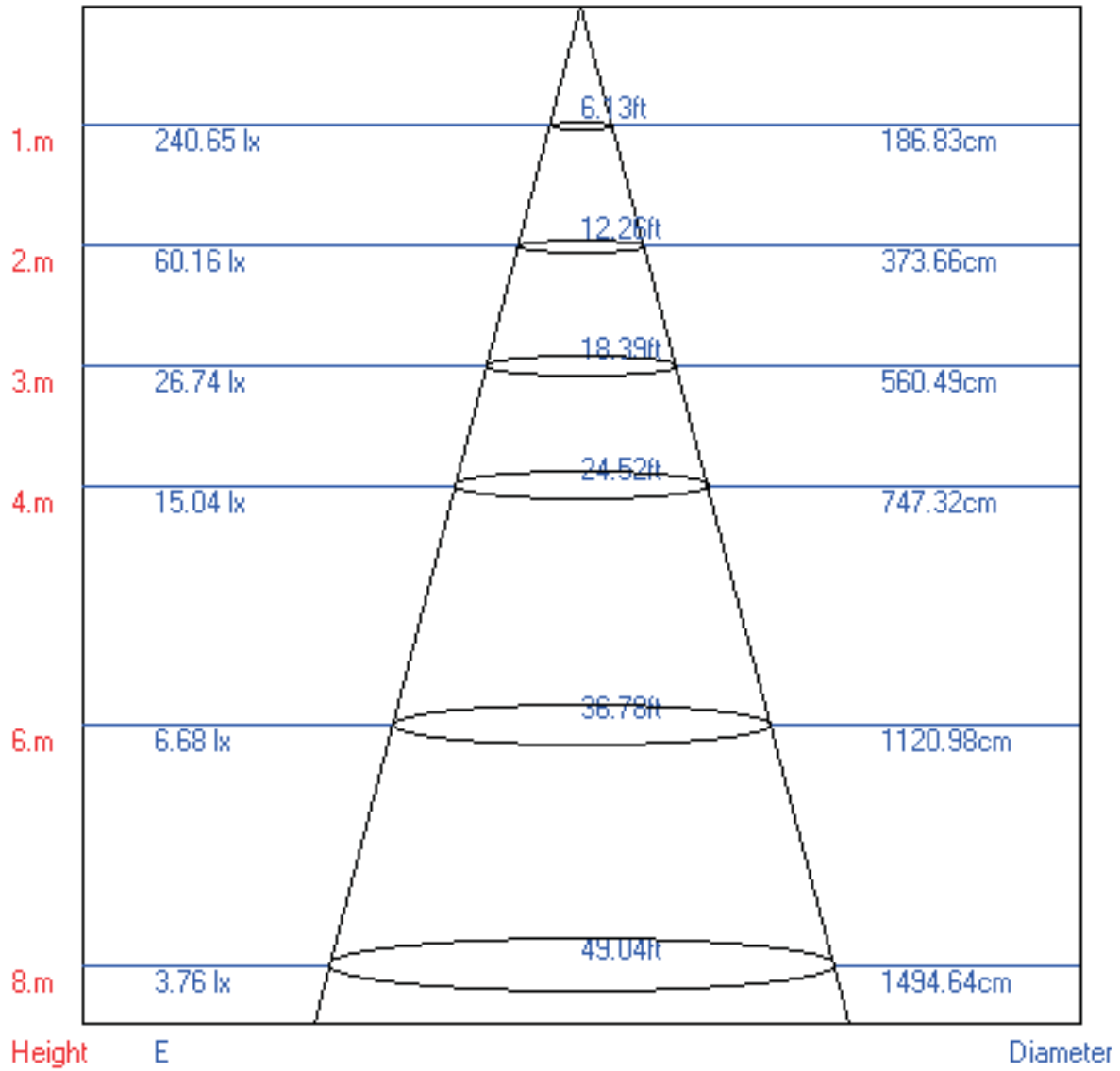
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	24612	19457	14857	9065	4715	1591			
C90	26406	22277	16120	9065	4715	527			

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

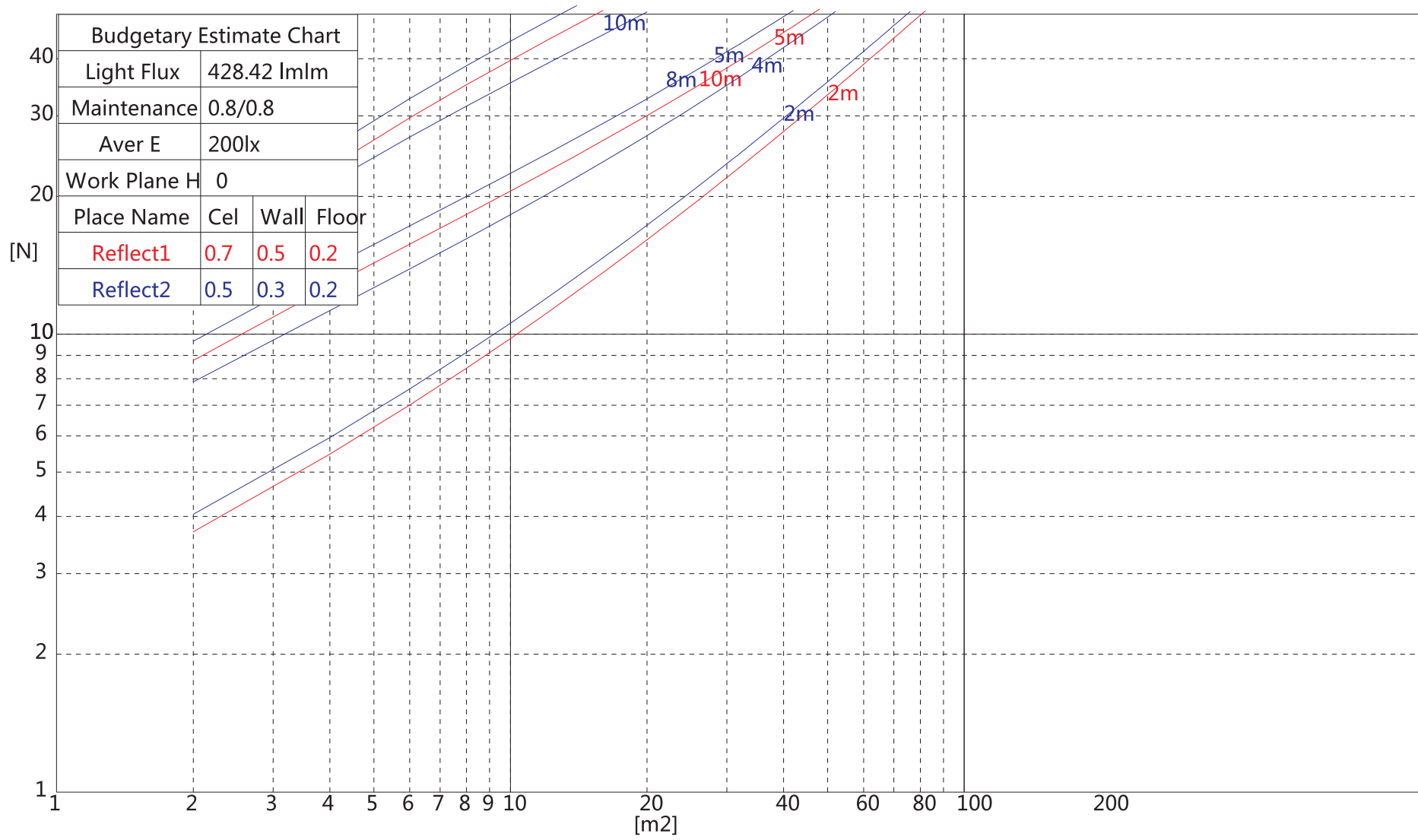
Lux-Distance Curve



Beam Angle:86.10

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	1.11	1.09	1.08	1.09	1.08	1.06	1.05	1.03	1.02	1.00	0.98	0.97	0.93	0.91	0.90	0.84
2	0.99	0.97	0.96	0.98	0.96	0.94	0.95	0.92	0.90	0.91	0.88	0.85	0.85	0.82	0.79	0.75
3	0.88	0.86	0.85	0.88	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	0.77	0.75	0.78	0.76	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	0.60	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		Weft to light axis direction of observation					Direction of light axis parallel observation				
X	Y										
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