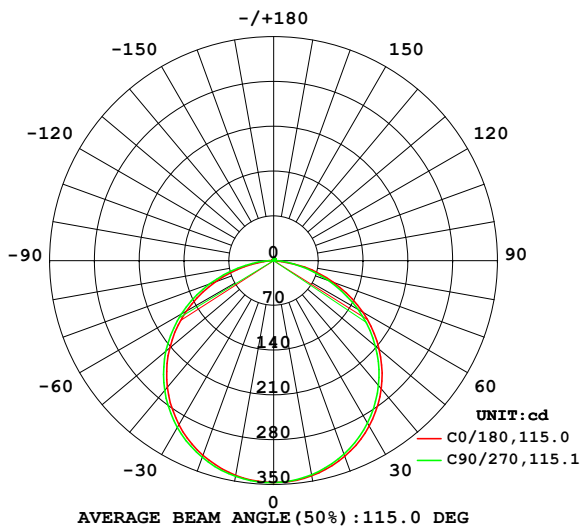


LUMINAIRE PHOTOMETRIC TEST REPORT

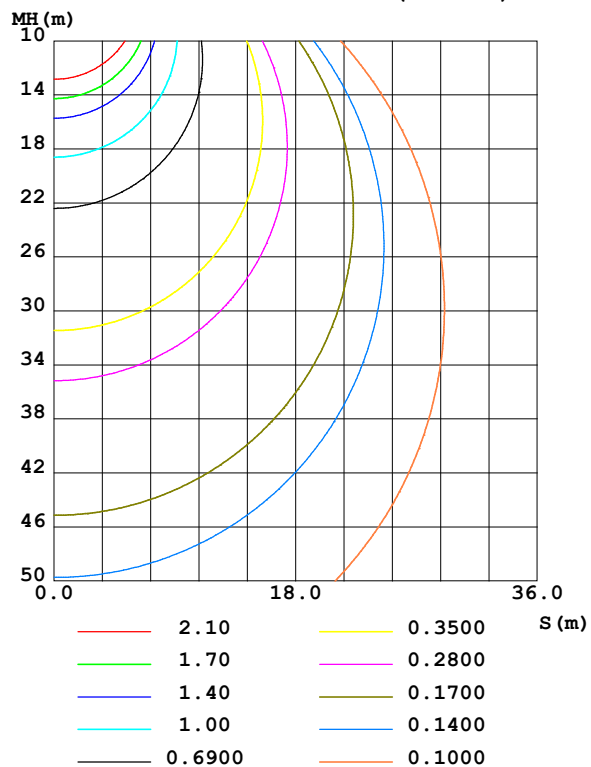
NAME: 2835 IP20	TYPE: 2835 210LED 24V	WEIGHT:
SPEC.: 202-00312-00	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 109.06 lm/W
MODEL	3000K	I <sub>max</sub> (cd)	346.9	S/MH(C0/180)	1.27	
NOMINAL POWER(W)	9.6	LOR(%)	100.0	S/MH(C90/270)	1.29	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1026.3	□ UP,DN(C0-180)	0.7,48.3	
NOMINAL FLUX(lm)	4.88691	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.6,50.4	
LAMPS INSIDE	210	□ up (%)	1.3	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	□ down (%)	98.7	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-03-16

□ Range: 0 - 180DEG  
□ Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity: 65.0%  
Test Distance: 5.749m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	341.6	340.4	339.8	340.0	340.8	342.0	342.5	342.3	0- 10	32.84	32.84	3.2,3.2
20	325.4	323.1	321.8	322.2	323.7	326.0	327.1	326.8	10- 20	94.35	127.2	12.4,12.4
30	298.6	295.1	293.3	293.8	296.1	299.5	301.1	300.7	20- 30	143.9	271.1	26.4,26.4
40	261.6	257.1	254.8	255.7	258.6	263.1	265.1	264.5	30- 40	175.1	446.2	43.5,43.5
50	215.3	210.0	207.4	208.5	212.0	217.5	220.0	219.0	40- 50	183.5	629.7	61.4,61.4
60	160.7	154.7	151.9	153.4	157.3	163.8	166.6	165.1	50- 60	167.3	797.0	77.7,77.7
70	99.50	93.16	90.63	92.15	96.30	103.5	106.5	104.5	60- 70	127.8	924.8	90.1,90.1
80	33.50	32.96	31.09	32.34	35.78	42.37	45.06	42.93	70- 80	71.02	995.8	97,97
90	0.3284	1.786	1.543	1.536	0.3171	2.830	4.022	3.067	80- 90	16.76	1013	98.7,98.7
100	0.8257	0.9202	1.012	0.9261	0.7294	0.6834	0.6802	0.6707	90-100	0.9786	1014	98.8,98.8
110	1.559	1.586	1.622	1.596	1.382	1.245	1.229	1.234	100-110	1.164	1015	98.9,98.9
120	2.286	2.236	2.278	2.261	2.051	1.854	1.842	1.847	110-120	1.731	1016	99,99
130	2.924	2.816	2.851	2.865	2.656	2.430	2.403	2.413	120-130	2.121	1019	99.2,99.2
140	3.429	3.297	3.310	3.364	3.151	2.937	2.855	2.902	130-140	2.252	1021	99.5,99.5
150	3.844	3.742	3.700	3.795	3.544	3.370	3.240	3.344	140-150	2.110	1023	99.7,99.7
160	4.179	4.116	4.140	4.125	3.916	3.774	3.718	3.772	150-160	1.739	1025	99.8,99.8
170	4.510	4.477	4.529	4.450	4.335	4.245	4.248	4.273	160-170	1.175	1026	100,100
180	4.801	4.768	4.848	4.805	4.799	4.768	4.846	4.802	170-180	0.4330	1026	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 556.81 lm

%lum = 54.3%

%lamp = 54.3%

Conical surface Flux(120deg): 797 lm

%lum = 77.7%

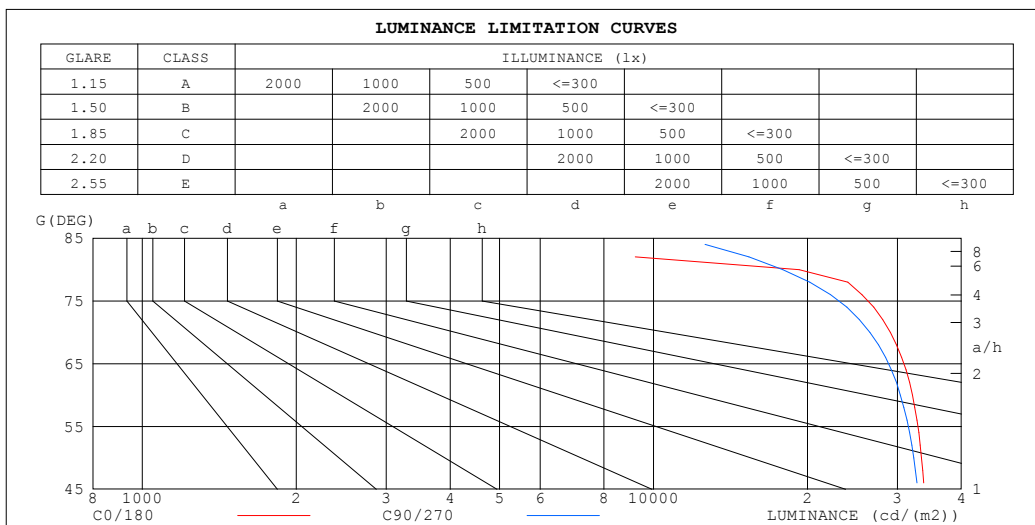
%lamp = 77.7%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-03-16

□ Range: 0 - 180DEG  
□ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

NAME: 2835 IP20	TYPE: 2835 210LED 24V	WEIGHT:
SPEC.: 202-00312-00	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	473	15128
80	19263	17913
75	28718	25445
70	29049	26514
65	32338	30281
60	32092	30401
55	33843	32455
50	33441	32279
45	34473	33514

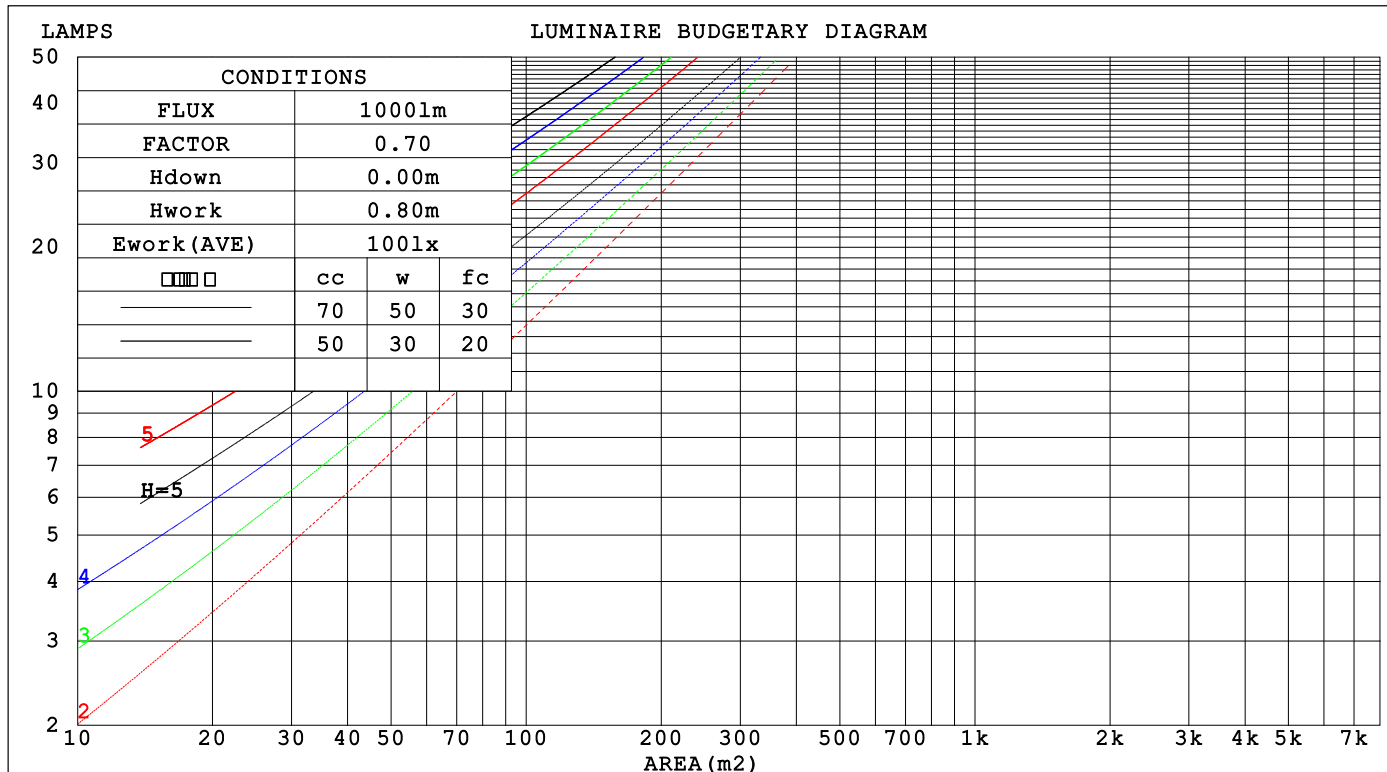
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-03-16

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity: 65.0%  
Test Distance: 5.749m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 2835 IP20	TYPE: 2835 210LED 24V	WEIGHT:
SPEC.: 202-00312-00	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio                      Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.78	.88	.82	.77	.84	.79	.75	.81	.76	.73	.78	.74	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.71	.66	.61	.68	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.32
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.30	.26	.36	.30	.25	.35	.30	.25	.23



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-03-16

□ Range: 0 - 180DEG  
□ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### WEC AND CCEC

NAME: 2835 IP20	TYPE: 2835 210LED 24V	WEIGHT:
SPEC.: 202-00312-00	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio					Wall Exitance Coefficients(WEC)
0.0						
1.0	.308 .175 .056	.301 .172 .054	.287 .164 .053	.274 .158 .051	.262 .152 .049	
2.0	.291 .160 .049	.285 .157 .048	.272 .151 .047	.261 .146 .046	.250 .142 .045	
3.0	.270 .144 .043	.264 .141 .043	.253 .137 .042	.243 .133 .041	.233 .129 .040	
4.0	.249 .130 .038	.244 .128 .038	.234 .124 .037	.225 .121 .036	.217 .118 .036	
5.0	.231 .118 .034	.226 .116 .034	.217 .113 .033	.209 .110 .033	.202 .108 .032	
6.0	.214 .107 .031	.210 .106 .030	.202 .104 .030	.195 .101 .030	.188 .099 .029	
7.0	.199 .098 .028	.195 .097 .028	.188 .095 .027	.182 .093 .027	.176 .091 .027	
8.0	.186 .091 .026	.183 .090 .025	.176 .088 .025	.170 .086 .025	.165 .085 .025	
9.0	.174 .084 .024	.171 .083 .023	.166 .082 .023	.160 .080 .023	.155 .079 .023	
10.0	.164 .079 .022	.161 .078 .022	.156 .076 .022	.151 .075 .021	.147 .074 .021	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio					Ceiling Cavity Exitance Coefficients(CCEC)
0.0	.201 .201 .201	.171 .171 .171	.117 .117 .117	.067 .067 .067	.021 .021 .021	
1.0	.190 .166 .145	.163 .143 .125	.111 .098 .086	.064 .057 .050	.021 .018 .016	
2.0	.182 .142 .108	.156 .122 .094	.107 .085 .065	.062 .049 .038	.020 .016 .012	
3.0	.175 .125 .085	.150 .108 .073	.103 .075 .051	.059 .044 .030	.019 .014 .010	
4.0	.167 .111 .069	.144 .096 .060	.099 .067 .042	.057 .039 .025	.018 .013 .008	
5.0	.160 .101 .058	.137 .087 .050	.095 .061 .035	.055 .036 .021	.018 .012 .007	
6.0	.153 .093 .050	.131 .080 .043	.091 .056 .031	.053 .033 .018	.017 .011 .006	
7.0	.146 .086 .044	.126 .074 .038	.087 .052 .027	.050 .031 .016	.016 .010 .005	
8.0	.140 .080 .039	.120 .069 .034	.083 .049 .024	.048 .029 .014	.016 .009 .005	
9.0	.134 .075 .036	.115 .065 .031	.080 .046 .022	.046 .027 .013	.015 .009 .004	
10.0	.128 .071 .033	.110 .062 .029	.076 .043 .020	.045 .026 .012	.014 .008 .004	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-03-16

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

NAME: 2835 IP20					TYPE: 2835 210LED 24V			WEIGHT:			
SPEC.: 202-00312-00					DIM.:			SERIAL No.:			
MFR.:					SUR.: 0.01*0.5			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	2H	24.9	26.4	25.1	26.6	26.8	24.7	26.2	25.0	26.4	26.6
	3H	26.4	27.8	26.7	28.0	28.3	26.1	27.5	26.4	27.7	28.0
	4H	27.0	28.3	27.3	28.6	28.8	26.6	27.9	26.9	28.2	28.5
	6H	27.3	28.6	27.7	28.8	29.2	26.9	28.1	27.2	28.4	28.7
	8H	27.3	28.5	27.7	28.8	29.1	26.9	28.1	27.3	28.4	28.7
	12H	27.2	28.4	27.6	28.7	29.0	26.9	28.1	27.3	28.4	28.7
4H	2H	25.4	26.8	25.8	27.0	27.3	25.3	26.6	25.6	26.9	27.2
	3H	27.1	28.3	27.5	28.6	28.9	26.9	28.0	27.2	28.3	28.7
	4H	27.8	28.9	28.2	29.2	29.6	27.5	28.5	27.9	28.9	29.2
	6H	28.2	29.2	28.7	29.6	30.0	27.8	28.8	28.3	29.2	29.6
	8H	28.3	29.1	28.7	29.5	29.9	27.9	28.8	28.4	29.2	29.6
	12H	28.2	29.0	28.7	29.4	29.9	27.9	28.7	28.4	29.2	29.6
8H	4H	28.0	28.9	28.4	29.3	29.7	27.7	28.6	28.1	29.0	29.4
	6H	28.6	29.3	29.0	29.7	30.2	28.2	28.9	28.6	29.3	29.8
	8H	28.6	29.3	29.1	29.7	30.2	28.3	29.0	28.8	29.4	29.9
	12H	28.6	29.2	29.1	29.7	30.2	28.4	28.9	28.9	29.4	29.9
12H	4H	28.0	28.8	28.4	29.2	29.6	27.7	28.5	28.1	28.9	29.3
	6H	28.6	29.2	29.1	29.7	30.1	28.2	28.9	28.7	29.3	29.8
	8H	28.7	29.2	29.2	29.7	30.2	28.4	28.9	28.9	29.4	29.9
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H		+ 0.1 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1026 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.1)  
Area: 0.01 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-03-16

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity:65.0%  
Test Distance:5.749m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

NAME: 2835 IP20	TYPE: 2835 210LED 24V	WEIGHT:
SPEC.: 202-00312-00	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

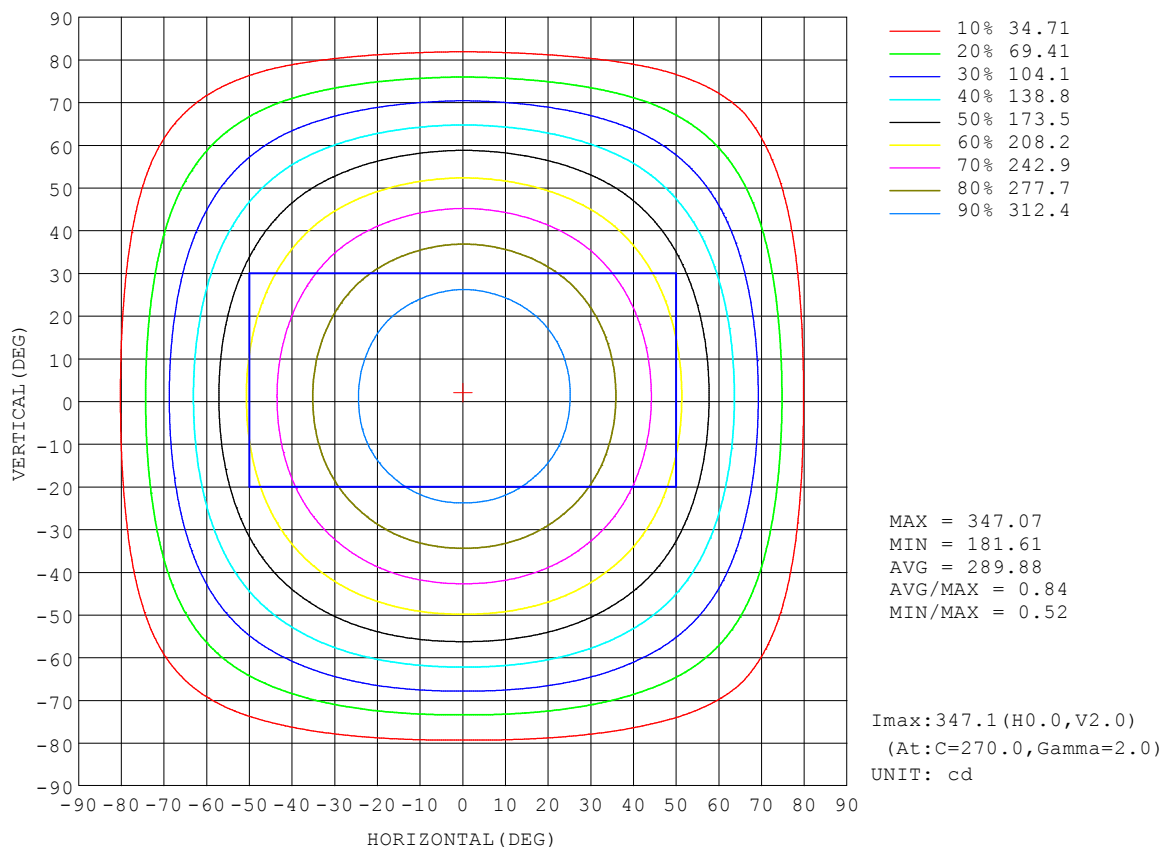
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT)    k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	65	81	71	64	78	70	63	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	94	86	79	93	85	79	89	82	77	69
2.50	98	91	85	96	89	84	92	86	82	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-03-16

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity: 65.0%  
Test Distance: 5.749m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

NAME: 2835 IP20	TYPE: 2835 210LED 24V	WEIGHT:
SPEC.: 202-00312-00	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:



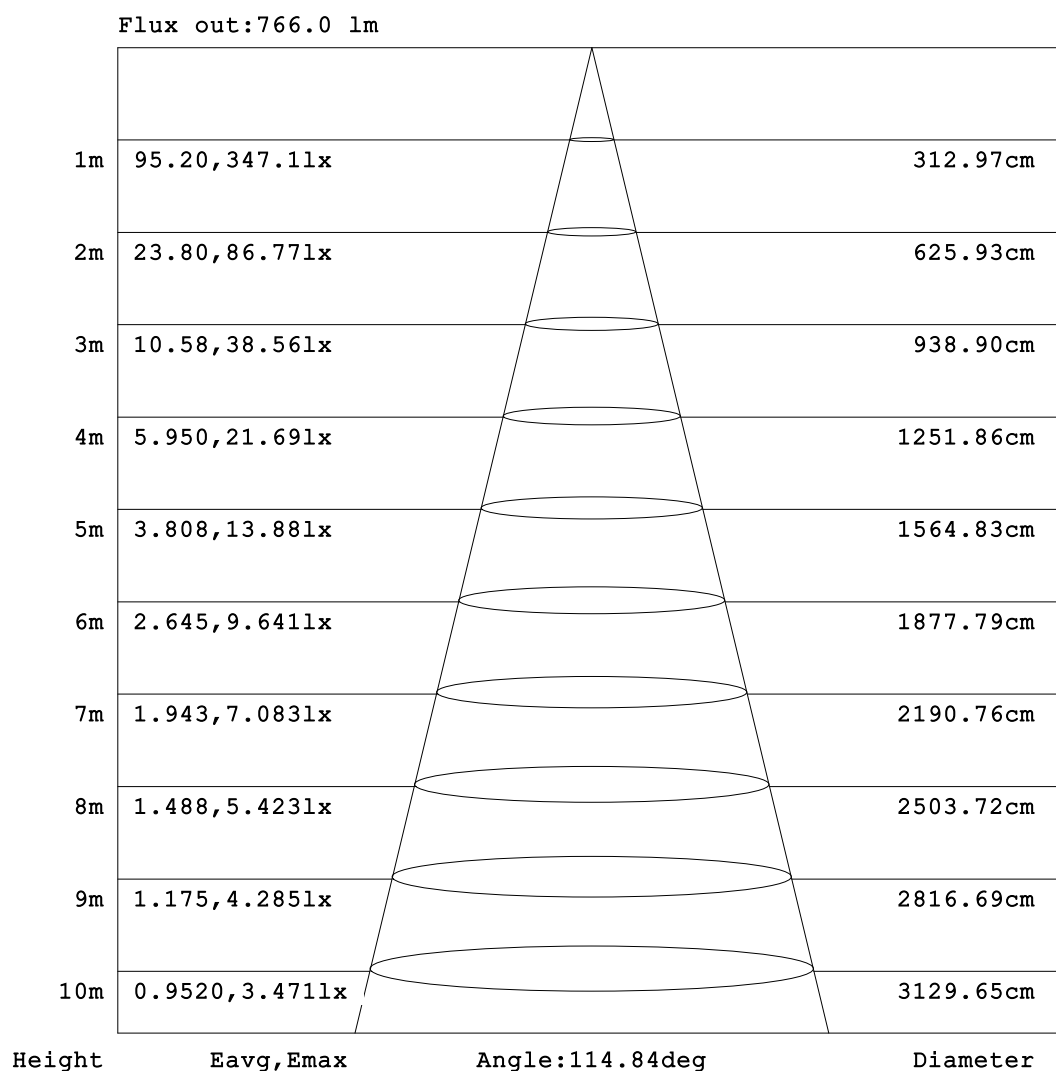
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-03-16

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity: 65.0%  
Test Distance: 5.749m [K=1.0000]  
Remarks:



**AAI Figure**

NAME: 2835 IP20	TYPE: 2835 210LED 24V	WEIGHT:
SPEC.: 202-00312-00	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:



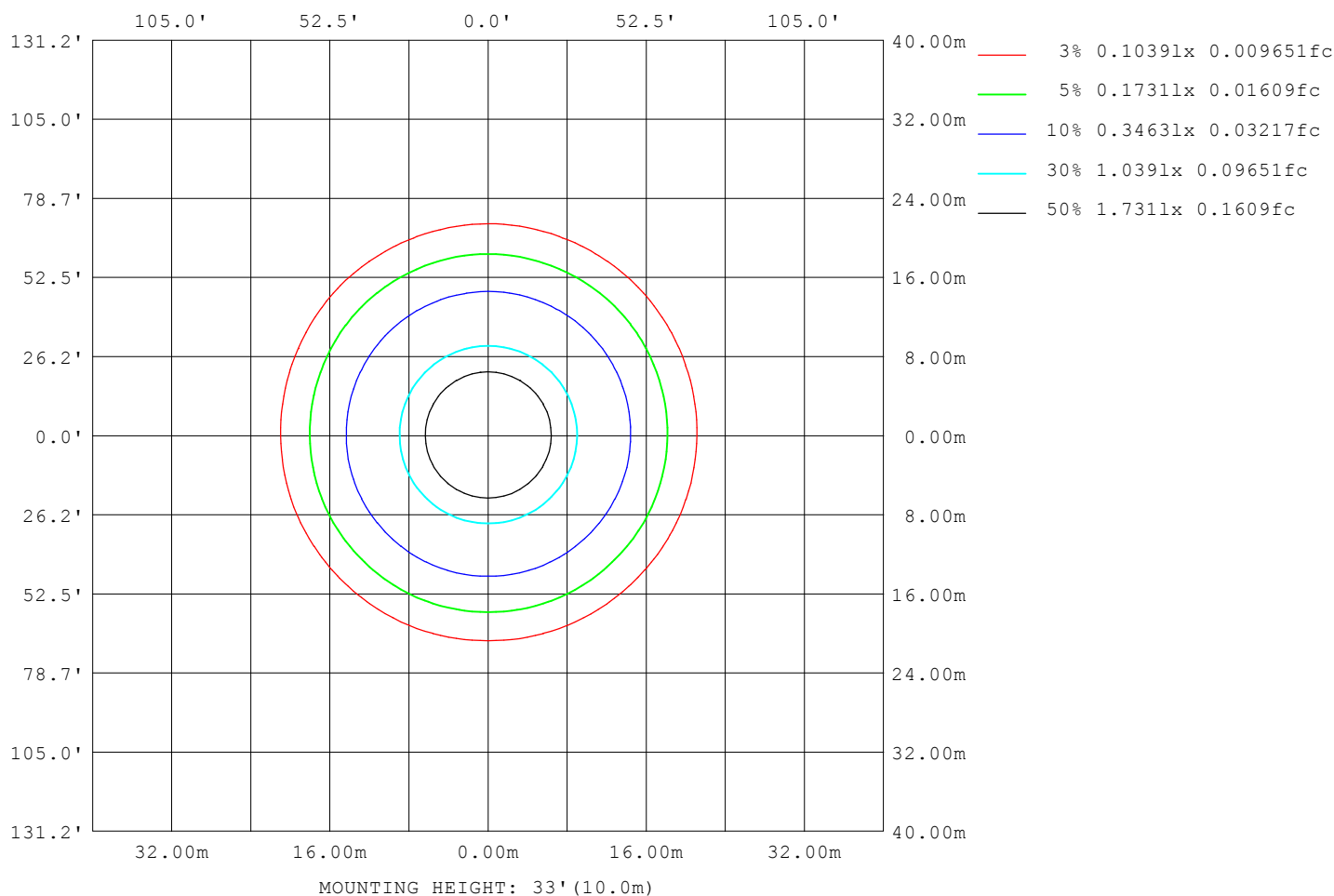
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-03-16

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity: 65.0%  
 Test Distance: 5.749m [K=1.0000]  
 Remarks:

### ISOLUX DIAGRAM

NAME: 2835 IP20	TYPE: 2835 210LED 24V	WEIGHT:
SPEC.: 202-00312-00	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-03-16

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity: 65.0%  
 Test Distance: 5.749m [K=1.0000]  
 Remarks:

## LED Avg.L Report

NAME: 2835 IP20	TYPE: 2835 210LED 24V	WEIGHT:
SPEC.: 202-00312-00	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

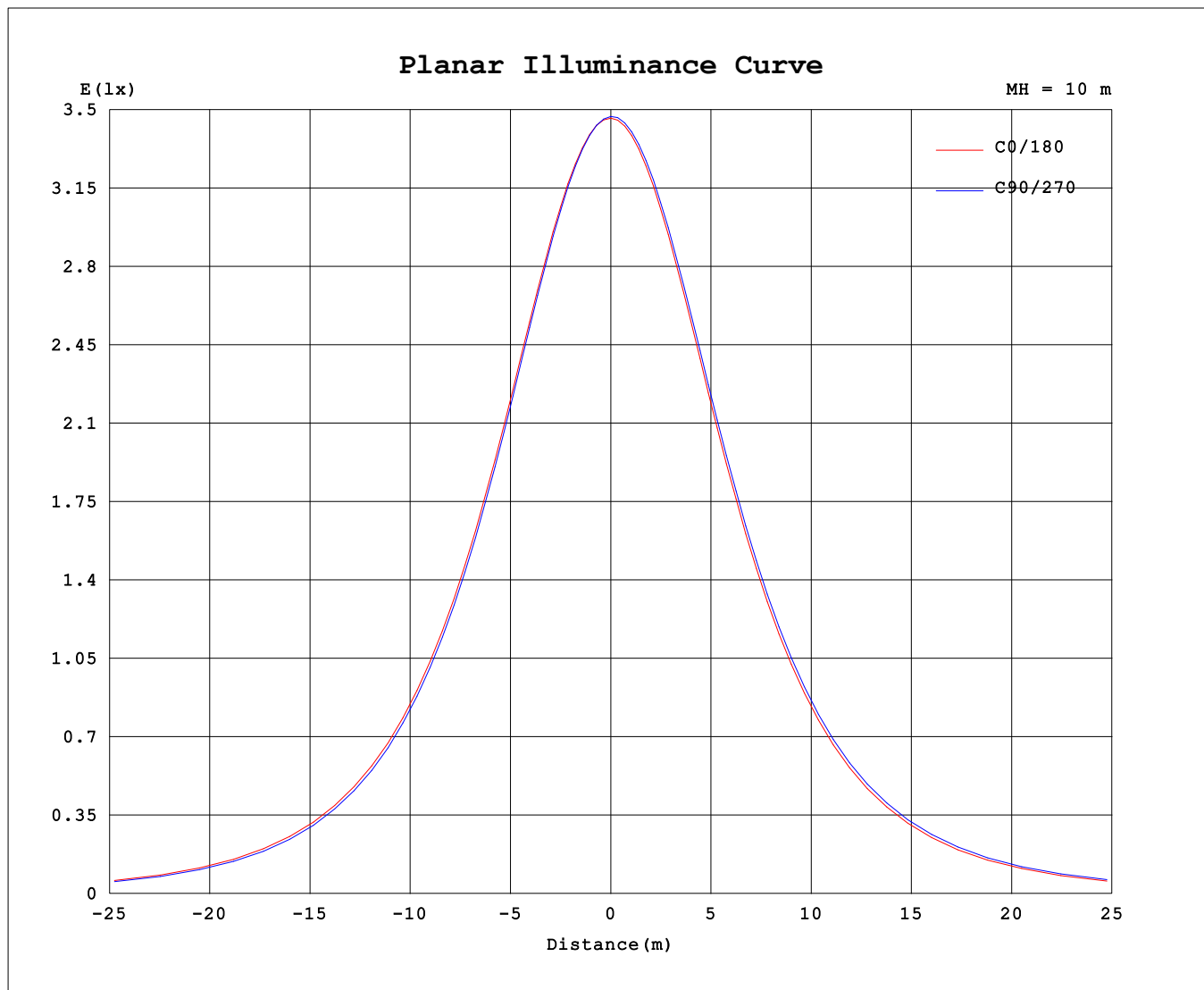
AvgL	cd/m2
L_0~180 (65) av	30546
L_0~180 (75) av	25750
L_0~180 (85) av	6313
L_90~270 (65) av	30627
L_90~270 (75) av	26073
L_90~270 (85) av	16764
L_45 (65) av	30612
L_45 (75) av	25966
L_45 (85) av	16073

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-03-16

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
Humidity: 65.0%  
Test Distance: 5.749m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-03-16

☐ Range: 0 - 180DEG  
☐ Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.450  
 Humidity: 65.0%  
 Test Distance: 5.749m [K=1.0000]  
 Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 2835 IP20	TYPE: 2835 210LED 24V	WEIGHT:
SPEC.: 202-00312-00	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.01*0.5	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347	347			
5	346	346	346	346	345	345	345	346	346	346	346	346	346	346	346	346			
10	342	341	340	340	340	340	340	340	341	341	342	342	342	342	342	342			
15	336	336	335	334	334	334	334	335	335	336	337	337	338	337	337	337			
20	325	324	323	322	322	322	322	323	324	325	326	327	327	327	327	326			
25	316	315	313	312	312	312	312	313	314	315	317	317	318	318	318	317			
30	299	297	295	294	293	294	294	295	296	298	299	300	301	301	301	300			
35	285	283	281	280	279	279	280	281	282	284	286	287	288	287	287	286			
40	262	260	257	256	255	255	256	257	259	261	263	264	265	265	264	263			
45	244	242	239	238	237	238	238	239	241	243	246	247	248	248	247	246			
50	215	213	210	209	207	208	209	210	212	214	218	219	220	219	219	217			
55	194	192	189	187	186	187	187	189	191	194	197	198	200	199	198	196			
60	161	158	155	154	152	153	153	156	157	160	164	165	167	166	165	163			
65	137	134	131	129	128	129	129	132	134	136	140	142	143	142	141	139			
70	99.5	96.9	93.2	92.1	90.6	91.8	92.2	94.5	96.3	99.4	104	105	106	105	105	102			
75	74.4	71.7	68.3	67.1	65.8	66.8	67.4	69.5	71.3	74.5	78.5	79.9	81.5	80.0	79.4	76.4			
80	33.5	35.8	33.0	32.1	31.1	31.9	32.3	33.8	35.8	38.6	42.4	43.8	45.1	43.8	42.9	40.3			
85	0.41	16.3	14.4	13.8	13.2	13.8	13.9	14.8	16.0	18.6	21.6	22.9	23.8	22.8	21.9	19.8			
90	0.33	1.70	1.79	1.74	1.54	1.56	1.54	1.52	0.32	1.55	2.83	3.65	4.02	3.58	3.07	2.05			
95	0.49	0.59	0.82	0.88	0.83	0.82	0.80	0.67	0.44	0.45	0.63	0.74	0.78	0.80	0.71	0.44			
100	0.83	0.87	0.92	0.97	1.01	0.98	0.93	0.88	0.73	0.70	0.68	0.68	0.68	0.67	0.67	0.68			
105	1.11	1.12	1.17	1.20	1.21	1.21	1.19	1.15	0.98	0.91	0.89	0.88	0.87	0.88	0.88	0.89			
110	1.56	1.54	1.59	1.61	1.62	1.61	1.60	1.57	1.38	1.27	1.25	1.24	1.23	1.23	1.23	1.25			
115	1.86	1.81	1.85	1.88	1.89	1.88	1.87	1.84	1.65	1.53	1.49	1.48	1.48	1.47	1.48	1.50			
120	2.29	2.21	2.24	2.26	2.28	2.27	2.26	2.25	2.05	1.91	1.85	1.84	1.84	1.83	1.85	1.88			
125	2.55	2.46	2.48	2.50	2.52	2.51	2.52	2.51	2.31	2.16	2.09	2.06	2.08	2.07	2.08	2.12			
130	2.92	2.83	2.82	2.83	2.85	2.87	2.87	2.87	2.66	2.52	2.43	2.40	2.40	2.40	2.41	2.47			
135	3.14	3.05	3.02	3.03	3.05	3.08	3.08	3.10	2.87	2.73	2.64	2.61	2.60	2.61	2.62	2.70			
140	3.43	3.35	3.30	3.29	3.31	3.37	3.36	3.39	3.15	3.03	2.94	2.89	2.85	2.89	2.90	3.01			
145	3.61	3.54	3.48	3.45	3.47	3.55	3.55	3.57	3.31	3.20	3.12	3.07	3.02	3.05	3.08	3.19			
150	3.84	3.80	3.74	3.68	3.70	3.79	3.79	3.80	3.54	3.44	3.37	3.33	3.24	3.29	3.34	3.45			
155	3.99	3.95	3.90	3.84	3.88	3.95	3.93	3.94	3.69	3.59	3.53	3.50	3.42	3.45	3.51	3.62			
160	4.18	4.16	4.12	4.06	4.14	4.16	4.12	4.13	3.92	3.84	3.77	3.76	3.72	3.71	3.77	3.88			
165	4.31	4.29	4.25	4.21	4.32	4.28	4.25	4.26	4.08	4.01	3.95	3.93	3.93	3.90	3.96	4.07			
170	4.51	4.50	4.48	4.44	4.53	4.48	4.45	4.47	4.34	4.29	4.25	4.24	4.25	4.22	4.27	4.37			
175	4.66	4.66	4.64	4.61	4.68	4.63	4.61	4.62	4.52	4.49	4.46	4.46	4.48	4.46	4.51	4.56			
180	4.80	4.77	4.77	4.79	4.85	4.80	4.80	4.82	4.80	4.77	4.77	4.79	4.85	4.80	4.80	4.82			

C Range: 0 - 360DEG  
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