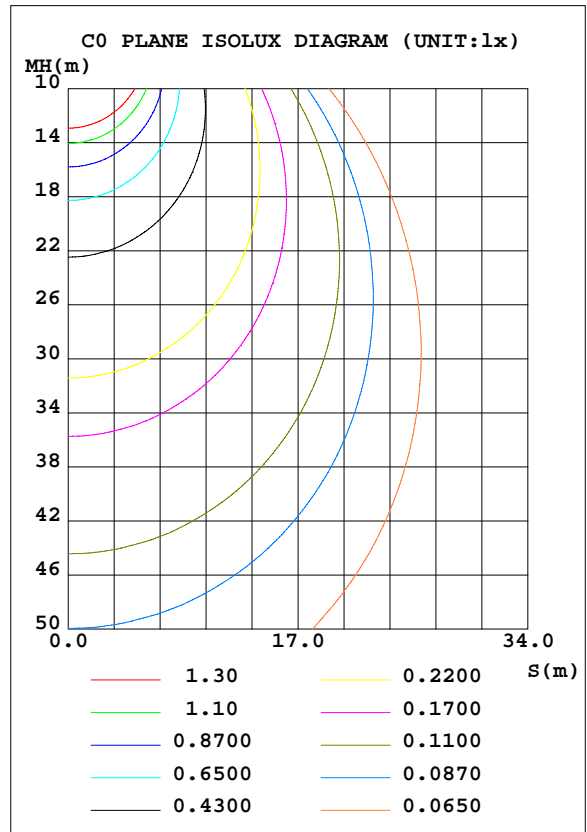
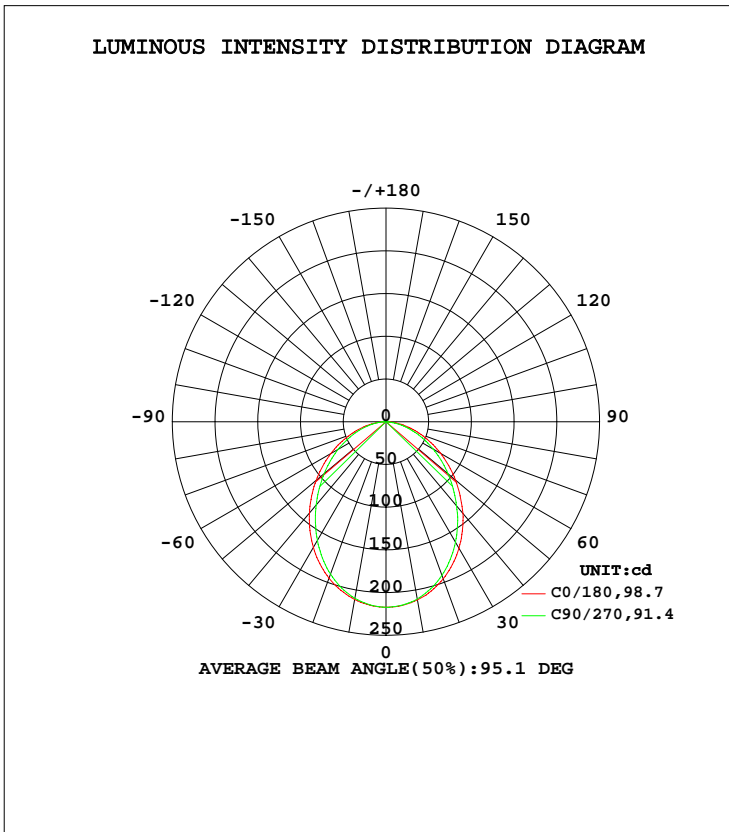


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:120.09V I:0.0723A P:7.8800W PF:0.9076 Freq:60.00Hz Lamp Flux:511.911x1 lm		
NAME: LED under cabinet light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: DELIA	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 64.96 lm/W
MODEL	RSZ190909813-10	I <sub>max</sub> (cd)	217.2	S/MH(C0/180)	1.18	
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.13	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	511.91	η UP, DN(C0-180)	0.1,50.2	
NOMINAL FLUX(lm)	511.911	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.7	
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.30	



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.0DEG  
 Operators:Ben  
 Test Date:2019-09-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:46%  
 Test Distance:2.481m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	211.3	210.3	209.8	211.2	211.7	211.5	210.6	210.9	0- 10	20.42	20.42	3.99,3.99
20	195.0	192.2	189.9	193.1	195.9	193.8	191.4	193.1	10- 20	57.21	77.63	15.2,15.2
30	170.0	164.9	160.6	166.2	171.0	166.8	162.8	166.3	20- 30	82.97	160.6	31.4,31.4
40	139.5	132.9	127.1	134.1	140.3	133.9	128.4	133.5	30- 40	93.94	254.5	49.7,49.7
50	106.8	100.3	94.46	101.0	106.3	100.2	94.84	100.1	40- 50	90.20	344.7	67.3,67.3
60	74.63	69.48	64.71	69.67	73.75	68.05	63.66	68.45	50- 60	75.57	420.3	82.1,82.1
70	44.60	41.42	38.14	41.33	43.73	39.14	36.01	39.76	60- 70	53.88	474.2	92.6,92.6
80	19.32	17.81	15.93	17.46	18.20	14.50	12.45	15.10	70- 80	29.60	503.8	98.4,98.4
90	0.1600	0.3142	0.2992	0.1393	0.0095	0.0081	0.0075	0.0123	80- 90	7.522	511.3	99.9,99.9
100	0.0680	0.0686	0.0621	0.0627	0.0186	0.0205	0.0148	0.0239	90-100	0.0436	511.4	99.9,99.9
110	0.0731	0.0774	0.0690	0.0692	0.0326	0.0326	0.0268	0.0385	100-110	0.0517	511.4	99.9,99.9
120	0.0809	0.0854	0.0769	0.0771	0.0494	0.0498	0.0444	0.0555	110-120	0.0606	511.5	99.9,99.9
130	0.1072	0.1144	0.1083	0.1063	0.0717	0.0687	0.0657	0.0729	120-130	0.0693	511.5	99.9,99.9
140	0.1660	0.1819	0.1788	0.1744	0.0921	0.0913	0.0905	0.0899	130-140	0.0847	511.6	99.9,99.9
150	0.2361	0.2700	0.2743	0.2603	0.1083	0.1132	0.1150	0.1120	140-150	0.1012	511.7	100,100
160	0.2974	0.3138	0.3189	0.3170	0.1437	0.1438	0.1458	0.1431	150-160	0.0970	511.8	100,100
170	0.2723	0.2866	0.2855	0.2890	0.1702	0.1647	0.1634	0.1675	160-170	0.0651	511.9	100,100
180	0.2231	0.2183	0.2110	0.2318	0.2238	0.2224	0.2129	0.2229	170-180	0.0214	511.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 300.88 lm

%lum = 58.8%  
%lamp = 58.8%

Conical surface Flux(120deg): 420.31 lm

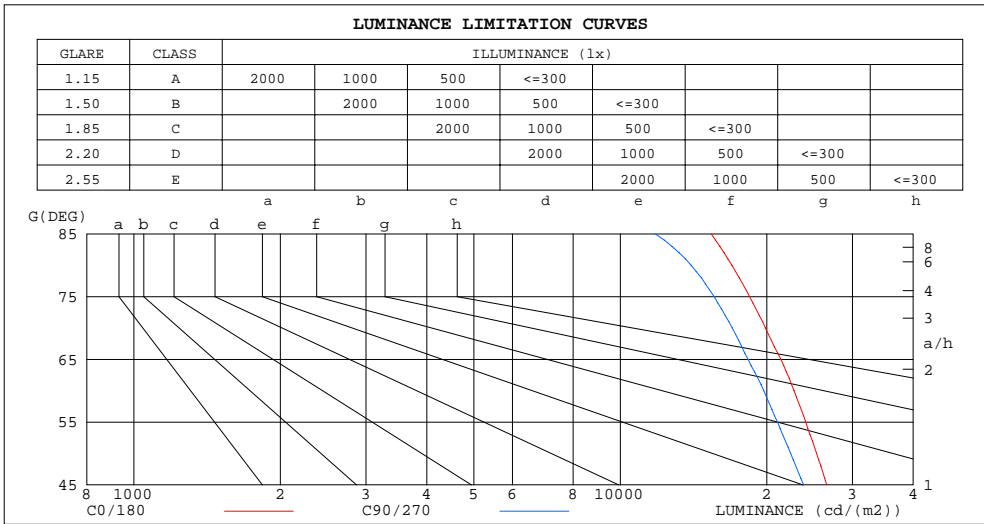
%lum = 82.1%  
%lamp = 82.1%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:25.0DEG  
Operators:Ben  
Test Date:2019-09-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:46%  
Test Distance:2.481m [K=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:120.09V I:0.0723A P:7.8800W PF:0.9076 Freq:60.00Hz Lamp Flux:511.911x1 lm		
NAME: LED under cabinet light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: DELIA	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	15378	11790
80	16957	13978
75	18439	15595
70	19875	16987
65	21384	18310
60	22749	19717
55	24052	21041
50	25323	22387
45	26561	23821

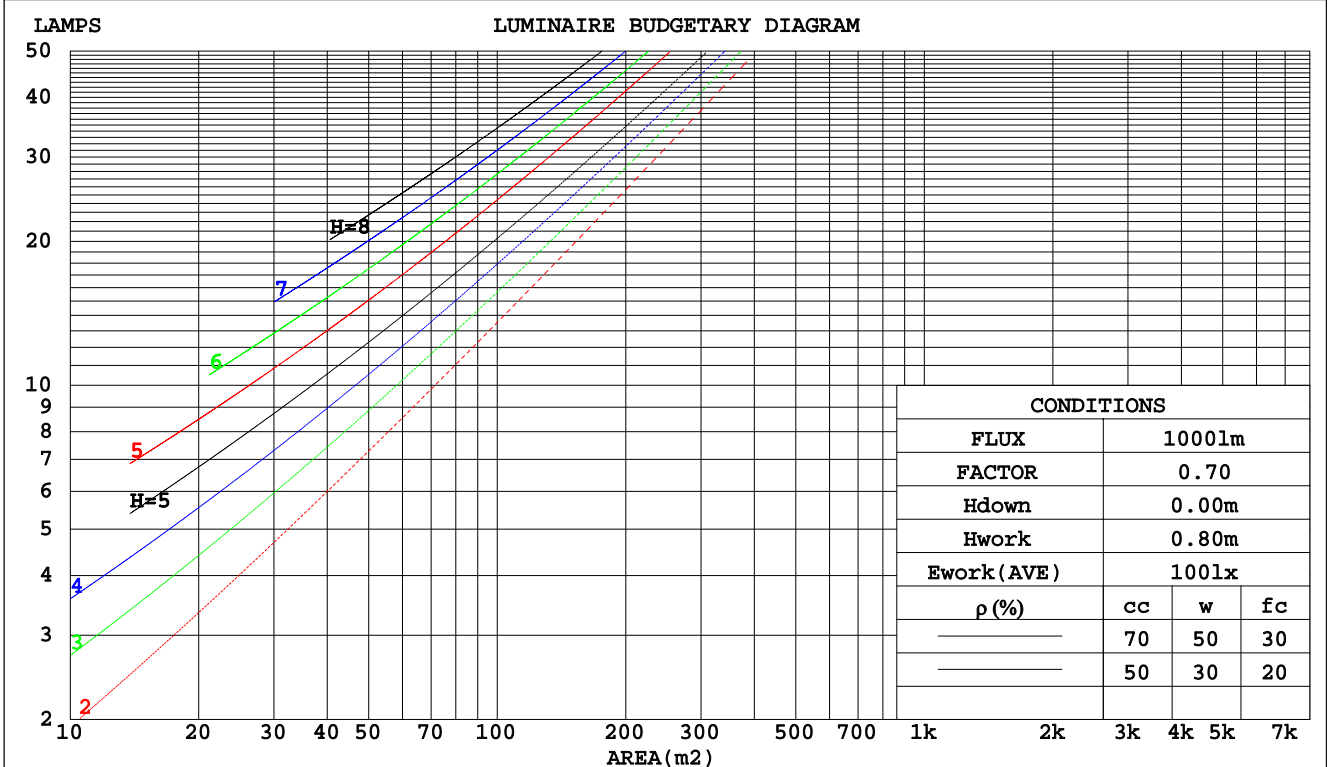
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature: 25.0DEG  
 Operators: Ben  
 Test Date: 2019-09-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity: 46%  
 Test Distance: 2.481m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:120.09V I:0.0723A P:7.8800W PF:0.9076 Freq:60.00Hz Lamp Flux:511.911x1 lm		
NAME: LED under cabinet light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: DELIA	SUR.:N/A	Shielding Angle:N/A

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw																0
pfc	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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.05	1.01	.97	1.03	.99	.96	.98	.95	.93	.94	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.83	.79	.76	.80	.77	.74	.72
3.0	.81	.74	.67	.80	.73	.67	.77	.71	.66	.74	.69	.64	.72	.67	.63	.61
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.57	.66	.61	.56	.64	.59	.55	.53
5.0	.65	.57	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.50	.44	.56	.49	.44	.55	.48	.43	.53	.47	.43	.41
7.0	.54	.45	.39	.53	.45	.39	.51	.44	.39	.50	.43	.39	.49	.43	.38	.36
8.0	.49	.41	.35	.48	.41	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.33
9.0	.45	.37	.32	.45	.37	.32	.44	.37	.32	.42	.36	.31	.41	.36	.31	.29
10.0	.42	.34	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.39	.33	.29	.27



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.0DEG  
 Operators:Ben  
 Test Date:2019-09-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:46%  
 Test Distance:2.481m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.09V I:0.0723A P:7.8800W PF:0.9076 Freq:60.00Hz Lamp Flux:511.911x1 lm		
NAME: LED under cabinet light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.:DELIA	SUR.:N/A	Shielding Angle:N/A

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.291	.165	.052	.284	.162	.051	.271	.155	.050	.258	.149	.048	.247	.143	.046	
2.0	.276	.151	.046	.269	.148	.046	.258	.143	.045	.247	.139	.043	.237	.134	.042	
3.0	.256	.136	.041	.251	.134	.040	.241	.130	.040	.231	.127	.039	.222	.123	.038	
4.0	.238	.124	.036	.233	.122	.036	.224	.119	.035	.216	.116	.035	.208	.113	.034	
5.0	.221	.112	.033	.216	.111	.032	.208	.109	.032	.201	.106	.032	.194	.104	.031	
6.0	.205	.103	.029	.202	.102	.029	.195	.100	.029	.188	.098	.029	.182	.096	.028	
7.0	.192	.095	.027	.188	.094	.027	.182	.092	.027	.176	.090	.026	.170	.089	.026	
8.0	.180	.088	.025	.177	.087	.025	.171	.085	.024	.166	.084	.024	.160	.082	.024	
9.0	.169	.082	.023	.166	.081	.023	.161	.080	.023	.156	.078	.022	.151	.077	.022	
10.0	.159	.076	.021	.157	.076	.021	.152	.074	.021	.148	.073	.021	.143	.072	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.180	.157	.137	.154	.135	.118	.105	.093	.081	.061	.054	.047	.019	.017	.015	
2.0	.171	.133	.101	.146	.114	.087	.100	.079	.061	.058	.046	.036	.019	.015	.012	
3.0	.163	.115	.077	.140	.099	.067	.096	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.155	.102	.061	.133	.088	.053	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.091	.050	.127	.079	.043	.087	.055	.030	.051	.032	.018	.016	.011	.006	
6.0	.140	.083	.041	.121	.072	.036	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.076	.035	.115	.066	.031	.079	.046	.022	.046	.027	.013	.015	.009	.004	
8.0	.127	.070	.030	.110	.061	.026	.076	.043	.019	.044	.025	.011	.014	.008	.004	
9.0	.121	.065	.027	.105	.056	.023	.072	.040	.017	.042	.023	.010	.014	.008	.003	
10.0	.116	.061	.024	.100	.053	.021	.069	.037	.015	.040	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.0DEG  
 Operators:Ben  
 Test Date:2019-09-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:46%  
 Test Distance:2.481m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.09V I:0.0723A P:7.8800W PF:0.9076 Freq:60.00Hz Lamp Flux:511.911x1 lm										
NAME: LED under cabinet light					TYPE:N/A			WEIGHT:N/A		
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A		
MFR.: DELIA					SUR.:N/A			Shielding Angle:N/A		
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	26.1	27.5	26.3	27.7	27.9	25.4	26.9	25.7	27.1	27.3
3H	27.4	28.8	27.7	29.0	29.3	26.7	28.0	27.0	28.3	28.5
4H	28.0	29.3	28.3	29.5	29.8	27.2	28.5	27.5	28.7	29.0
6H	28.4	29.6	28.8	29.9	30.2	27.6	28.8	27.9	29.0	29.3
8H	28.6	29.7	28.9	30.0	30.3	27.7	28.8	28.0	29.1	29.4
12H	28.7	29.8	29.0	30.1	30.4	27.8	28.9	28.1	29.2	29.5
4H 2H	26.5	27.8	26.9	28.1	28.3	26.0	27.3	26.4	27.6	27.8
3H	28.1	29.2	28.5	29.5	29.8	27.5	28.6	27.8	28.9	29.2
4H	28.8	29.8	29.2	30.2	30.5	28.1	29.1	28.5	29.5	29.8
6H	29.4	30.3	29.8	30.6	31.0	28.6	29.5	29.0	29.9	30.2
8H	29.6	30.4	30.0	30.8	31.2	28.8	29.6	29.2	30.0	30.4
12H	29.7	30.5	30.1	30.9	31.3	28.9	29.7	29.3	30.0	30.4
8H 4H	29.0	29.9	29.4	30.2	30.6	28.4	29.2	28.8	29.6	30.0
6H	29.7	30.4	30.2	30.8	31.3	29.0	29.7	29.5	30.1	30.6
8H	30.0	30.6	30.5	31.1	31.5	29.3	29.9	29.7	30.3	30.8
12H	30.3	30.8	30.7	31.2	31.7	29.5	30.0	29.9	30.4	30.9
12H 4H	29.0	29.8	29.5	30.2	30.6	28.4	29.2	28.9	29.6	30.0
6H	29.8	30.4	30.2	30.8	31.3	29.1	29.7	29.6	30.2	30.6
8H	30.1	30.6	30.6	31.1	31.6	29.4	29.9	29.9	30.4	30.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 511.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.3)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.0DEG  
 Operators:Ben  
 Test Date:2019-09-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:46%  
 Test Distance:2.481m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.09V I:0.0723A P:7.8800W PF:0.9076 Freq:60.00Hz Lamp Flux:511.911x1 lm		
NAME: LED under cabinet light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: DELIA	SUR.:N/A	Shielding Angle:N/A

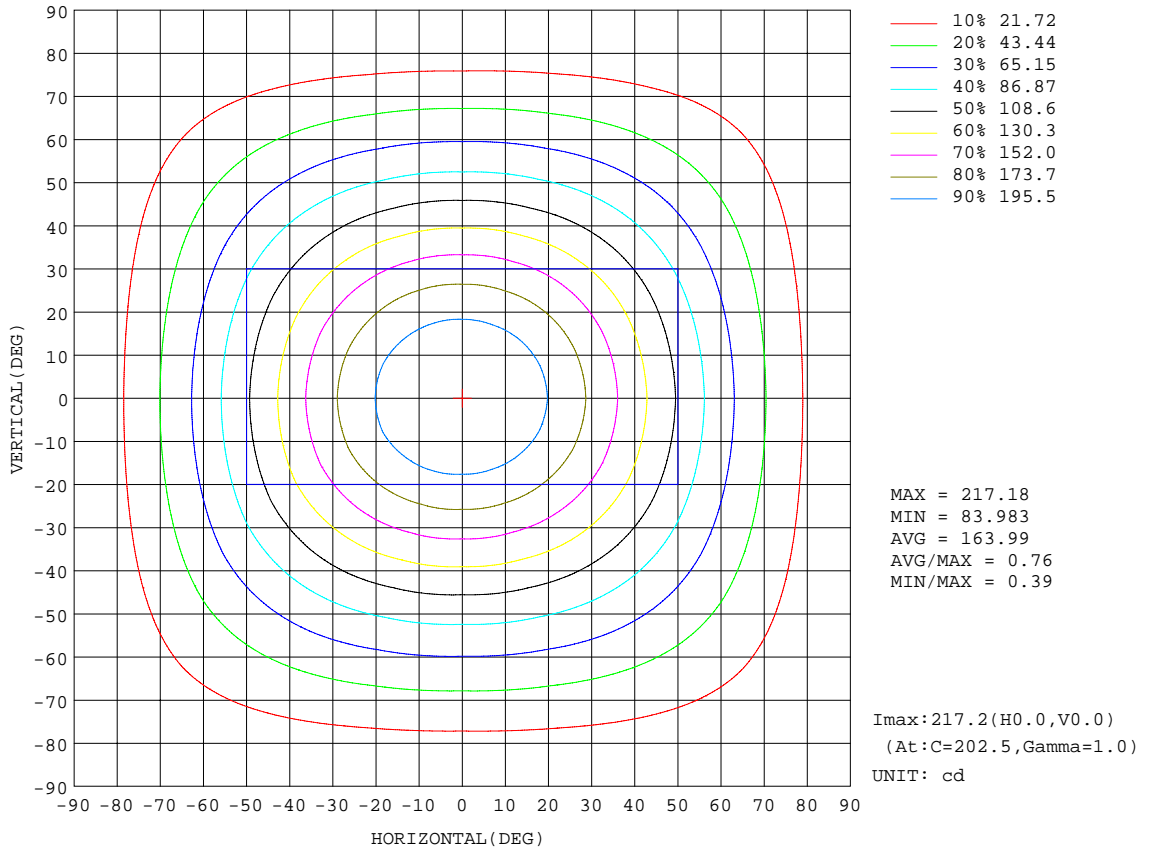
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	49	43	60	49	43	59	49	42	36
0.80	70	59	52	69	59	52	68	58	52	45
1.00	79	68	61	77	68	61	75	69	60	54
1.25	85	76	69	84	75	68	81	73	68	61
1.50	90	81	74	89	80	74	86	78	73	66
2.00	97	89	83	95	87	82	91	85	80	73
2.50	100	93	87	98	92	86	95	89	85	77
3.00	103	97	92	101	95	91	97	93	89	80
4.00	107	102	98	105	100	96	101	97	93	85
5.00	109	105	101	107	103	100	103	99	96	87
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: 10.0deg/s  
 Temperature:25.0DEG  
 Operators:Ben  
 Test Date:2019-09-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:46%  
 Test Distance:2.481m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:120.09V I:0.0723A P:7.8800W PF:0.9076 Freq:60.00Hz Lamp Flux:511.911x1 lm		
NAME: LED under cabinet light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: DELIA	SUR.:N/A	Shielding Angle:N/A



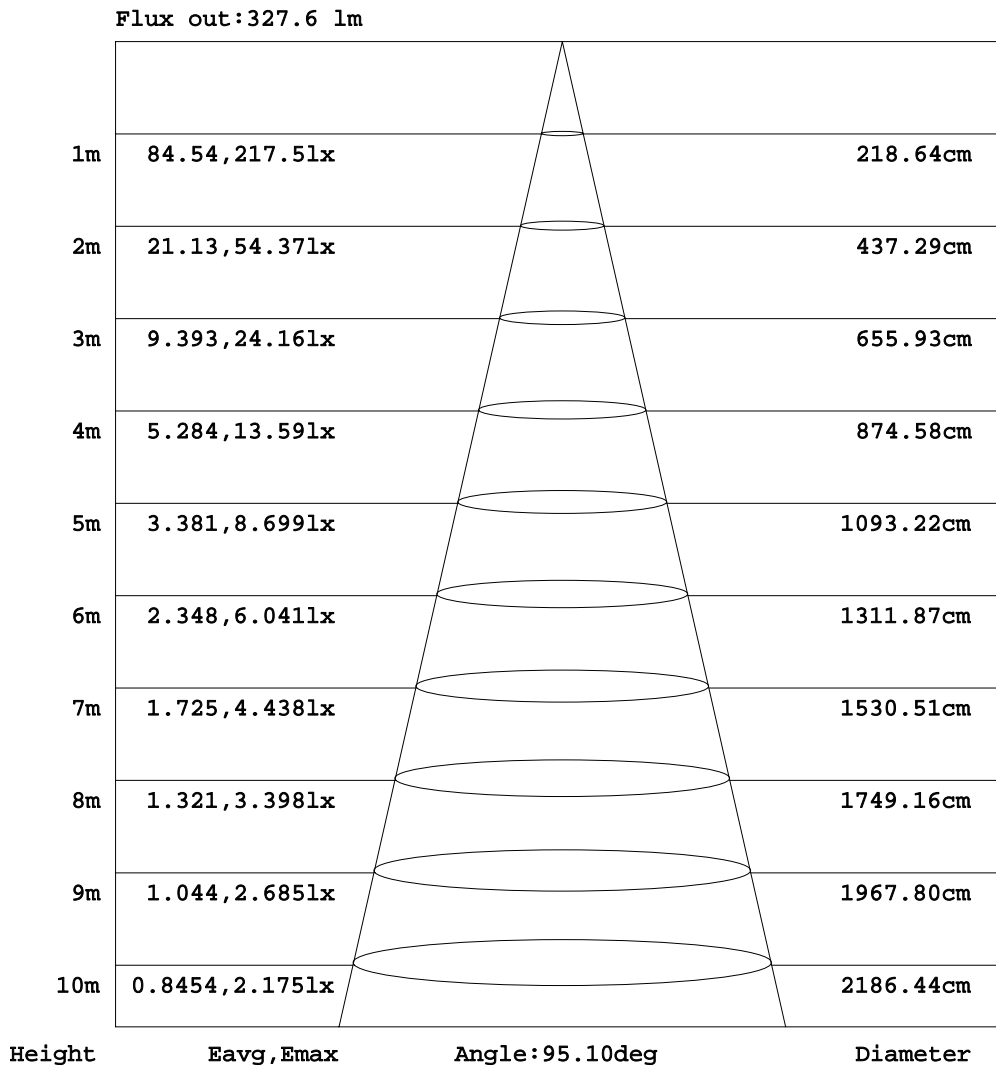
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature: 25.0DEG  
 Operators: Ben  
 Test Date: 2019-09-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity: 46%  
 Test Distance: 2.481m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:120.09V I:0.0723A P:7.8800W PF:0.9076 Freq:60.00Hz Lamp Flux:511.911x1 lm		
NAME: LED under cabinet light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: DELIA	SUR.:N/A	Shielding Angle:N/A



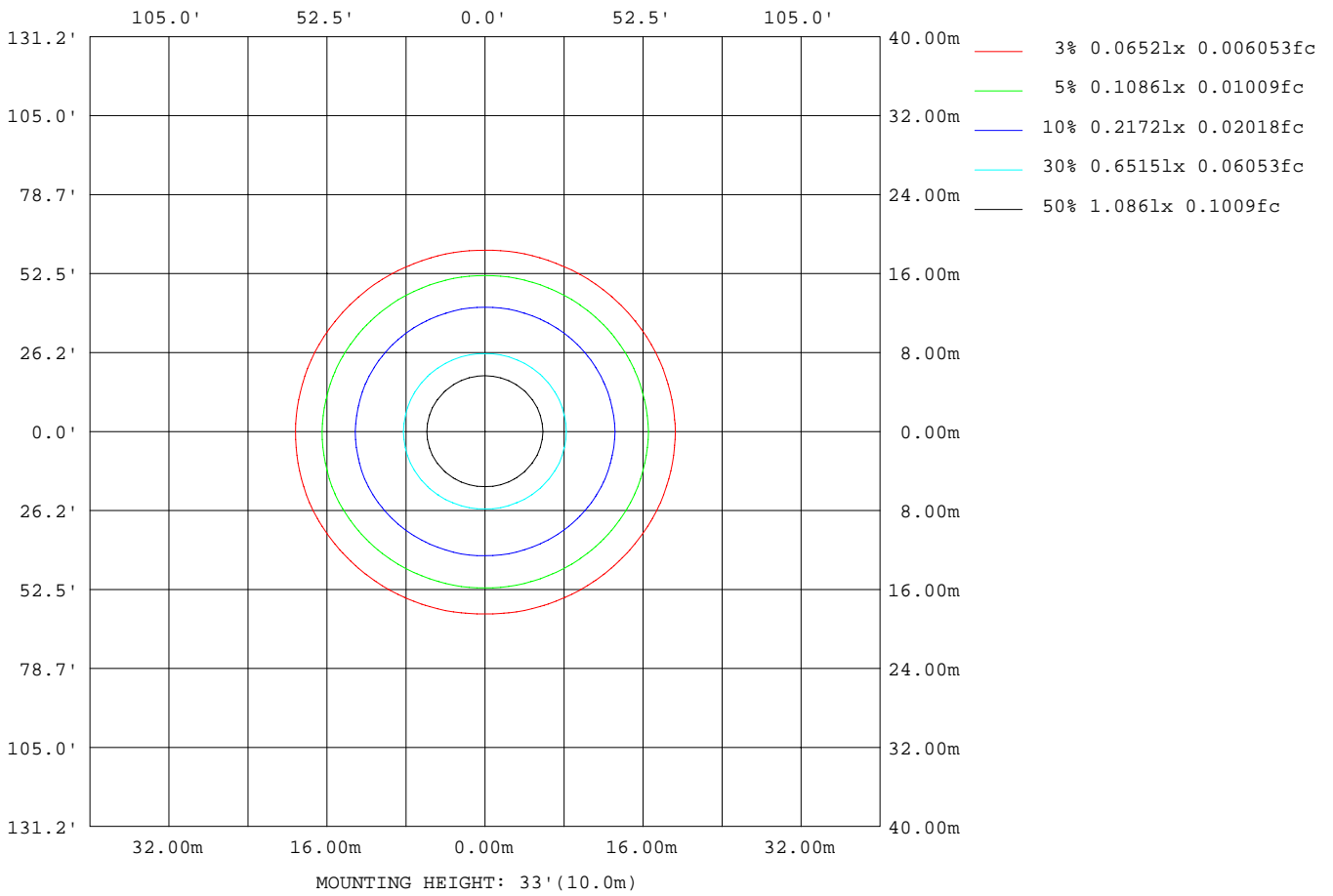
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.0DEG  
 Operators:Ben  
 Test Date:2019-09-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:46%  
 Test Distance:2.481m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:120.09V I:0.0723A P:7.8800W PF:0.9076 Freq:60.00Hz Lamp Flux:511.911x1 lm		
NAME: LED under cabinet light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: DELIA	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.0DEG  
 Operators:Ben  
 Test Date:2019-09-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:46%  
 Test Distance:2.481m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:120.09V I:0.0723A P:7.8800W PF:0.9076 Freq:60.00Hz Lamp Flux:511.911x1 lm		
NAME: LED under cabinet light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: DELIA	SUR.:N/A	Shielding Angle:N/A

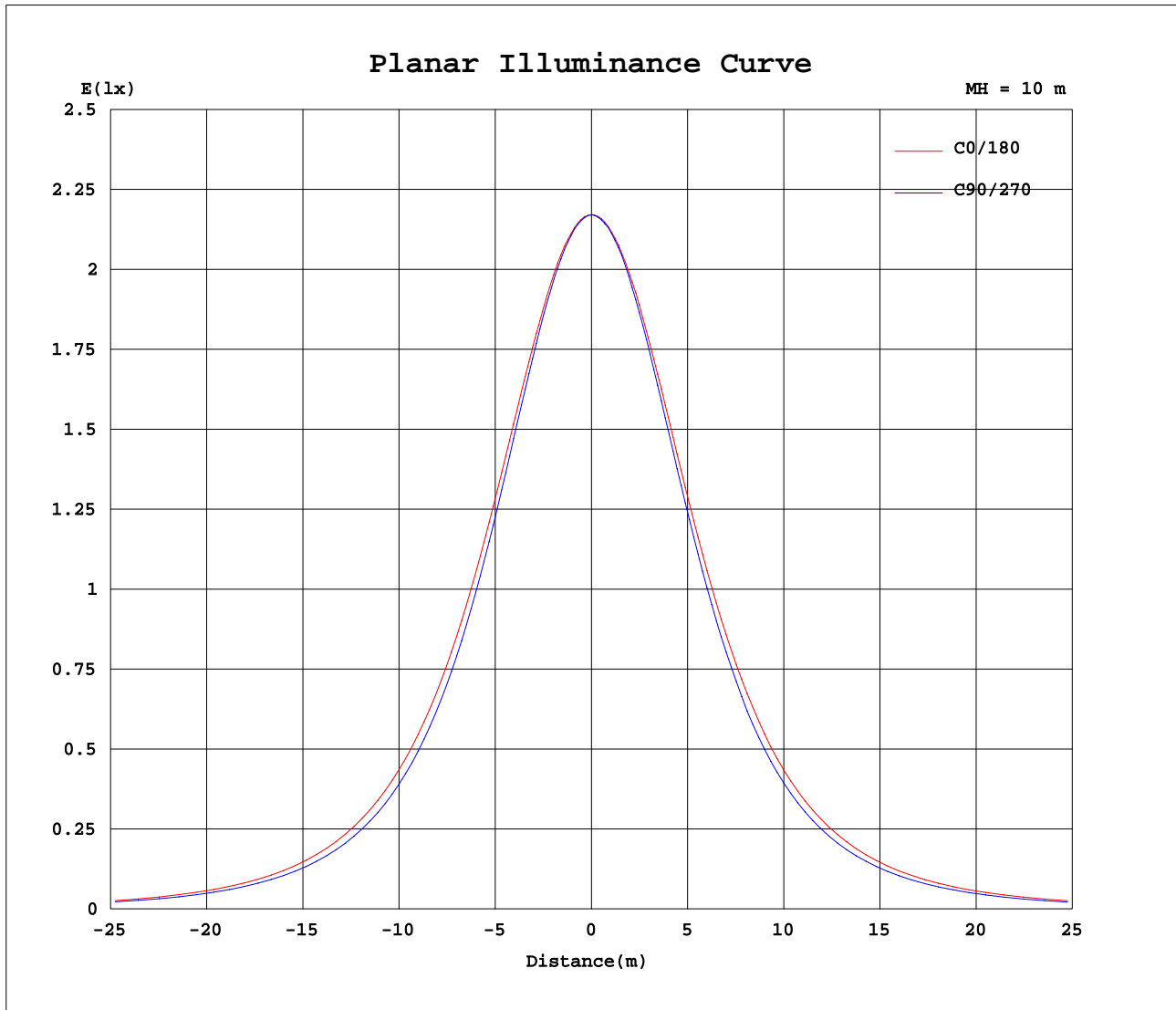
AvgL	cd/m2
L_0~180(65)av	21194
L_0~180(75)av	18134
L_0~180(85)av	14388
L_90~270(65)av	18061
L_90~270(75)av	14814
L_90~270(85)av	8641
L_45(65)av	19523
L_45(75)av	16342
L_45(85)av	10634

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.0DEG  
 Operators:Ben  
 Test Date:2019-09-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:46%  
 Test Distance:2.481m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature: 25.0DEG  
 Operators: Ben  
 Test Date: 2019-09-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity: 46%  
 Test Distance: 2.481m [K=1.0000]  
 Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:120.09V I:0.0723A P:7.8800W PF:0.9076 Freq:60.00Hz Lamp Flux:511.911x1 lm		
NAME: LED under cabinet light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: DELIA	SUR.:N/A	Shielding Angle:N/A

Table--1

UNIT: cd

C( DEG) γ (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	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217			
5	216	215	215	215	215	215	216	216	216	216	216	216	216	216	216	215			
10	211	211	210	210	210	210	211	212	212	212	211	211	211	211	211	211			
15	204	204	202	202	201	202	203	205	205	205	204	203	203	203	203	204			
20	195	194	192	190	190	191	193	195	196	195	194	192	191	192	193	194			
25	183	182	179	177	176	178	180	183	184	183	181	179	178	179	180	182			
30	170	168	165	162	161	162	166	170	171	170	167	164	163	164	166	169			
35	155	153	149	146	144	146	150	155	156	155	151	148	146	147	151	153			
40	140	138	133	129	127	129	134	139	140	138	134	130	128	130	134	137			
45	123	121	116	112	111	113	117	122	123	121	117	113	111	113	117	120			
50	107	105	100	96.0	94.5	96.3	101	106	106	104	100	96.2	94.8	96.3	100	104			
55	90.5	88.7	84.5	80.7	79.2	80.9	85.0	89.1	89.7	87.8	83.7	80.2	78.9	80.5	84.0	87.7			
60	74.6	73.2	69.5	66.0	64.7	66.1	69.7	73.3	73.7	71.8	68.1	64.7	63.7	65.1	68.4	72.0			
65	59.3	58.2	54.8	51.9	50.8	51.9	55.0	58.1	58.3	56.5	53.1	50.3	49.4	50.6	53.7	56.9			
70	44.6	43.9	41.4	39.0	38.1	39.0	41.3	43.6	43.7	42.1	39.1	36.7	36.0	37.2	39.8	42.7			
75	31.3	30.9	29.0	27.2	26.5	27.1	28.8	30.5	30.3	28.8	26.3	24.4	23.8	24.8	26.9	29.5			
80	19.3	19.2	17.8	16.5	15.9	16.3	17.5	18.6	18.2	16.9	14.5	12.9	12.4	13.3	15.1	17.7			
85	8.79	8.74	7.87	7.11	6.74	6.88	7.44	8.09	7.66	5.94	3.85	3.19	3.14	3.65	5.17	6.89			
90	0.16	0.21	0.31	0.35	0.30	0.24	0.14	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
95	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
100	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02			
105	0.07	0.07	0.07	0.08	0.07	0.06	0.06	0.07	0.08	0.02	0.02	0.03	0.03	0.02	0.02	0.03			
110	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.08	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.06			
115	0.07	0.08	0.08	0.08	0.07	0.07	0.07	0.08	0.04	0.04	0.04	0.05	0.04	0.03	0.05	0.08			
120	0.08	0.08	0.09	0.09	0.08	0.07	0.08	0.09	0.05	0.05	0.05	0.06	0.04	0.04	0.06	0.08			
125	0.09	0.09	0.10	0.10	0.09	0.08	0.09	0.10	0.06	0.06	0.06	0.07	0.05	0.05	0.06	0.08			
130	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.09			
135	0.13	0.13	0.14	0.14	0.14	0.13	0.14	0.13	0.08	0.08	0.08	0.09	0.08	0.08	0.08	0.10			
140	0.17	0.17	0.18	0.18	0.18	0.18	0.17	0.17	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10			
145	0.21	0.22	0.23	0.24	0.24	0.23	0.22	0.21	0.10	0.10	0.10	0.11	0.10	0.11	0.10	0.11			
150	0.24	0.25	0.27	0.28	0.27	0.27	0.26	0.25	0.11	0.11	0.11	0.11	0.12	0.12	0.11	0.12			
155	0.27	0.29	0.30	0.30	0.31	0.30	0.29	0.28	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.14			
160	0.30	0.31	0.31	0.33	0.32	0.32	0.32	0.30	0.14	0.14	0.14	0.15	0.15	0.15	0.14	0.15			
165	0.29	0.29	0.30	0.31	0.32	0.32	0.31	0.30	0.16	0.15	0.15	0.16	0.15	0.16	0.15	0.16			
170	0.27	0.28	0.29	0.28	0.29	0.29	0.29	0.28	0.17	0.17	0.16	0.16	0.16	0.16	0.17	0.18			
175	0.26	0.26	0.26	0.25	0.25	0.26	0.27	0.27	0.20	0.20	0.19	0.19	0.18	0.18	0.19	0.20			
180	0.22	0.22	0.22	0.21	0.21	0.22	0.23	0.23	0.22	0.22	0.22	0.22	0.21	0.21	0.22	0.23			

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 C Interval: 22.5DEG  
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γ Range: 0 - 180DEG  
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