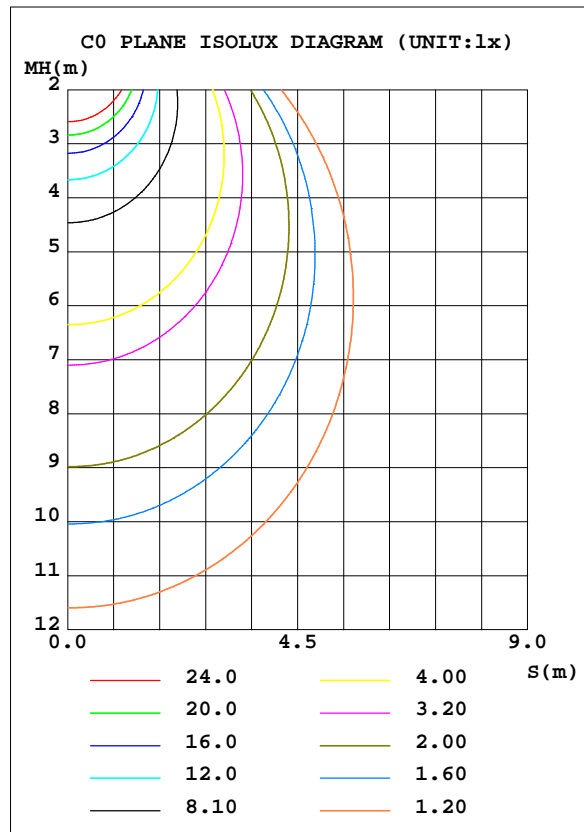
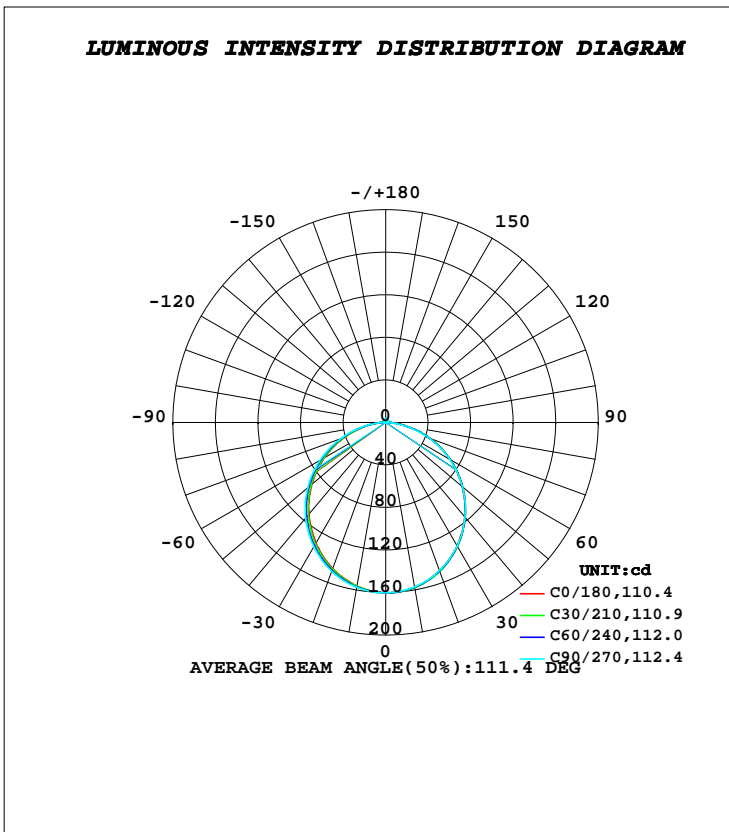


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:24.000V I:0.5170A P:12.400W PF:1.0000 Freq:0Hz		
Lamp Flux:469.238x1 lm		
NAME: HF1616TB.12.3K	TYPE: LED	
MFR.: HELIFLEX		

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax(cd)	160.3	S/MH(C0/180)	1.25
NOMINAL POWER(W)	12.4	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	469.24	η UP, DN(C0-180)	1.5, 48.3
NOMINAL FLUX(lm)	469.238	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.6, 48.6
LAMPS INSIDE	1	η up(%)	3.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	96.9	CIBSE SHR MAX	1.35



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2021-08-28**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**ZONAL FLUX DIAGRAM**

**ZONAL FLUX DIAGRAM:**

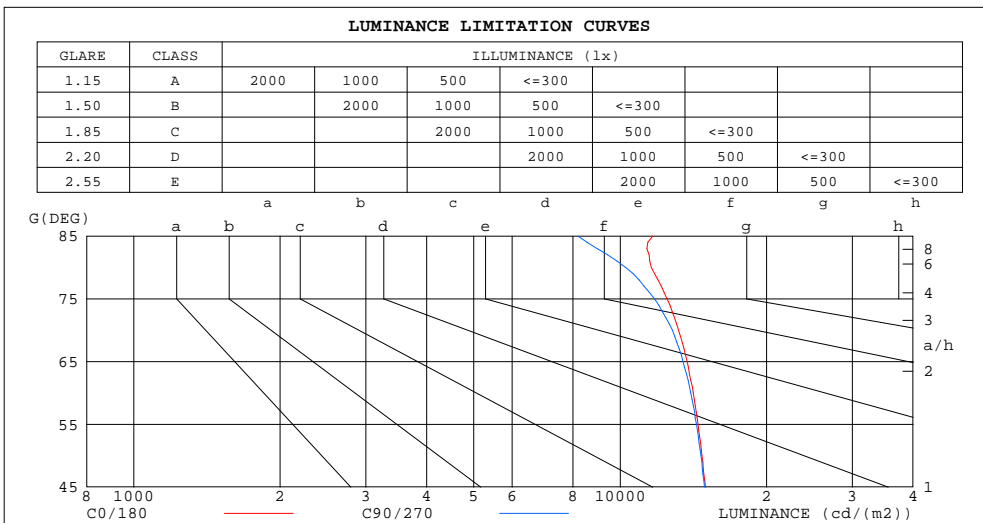
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	157.5	157.5	157.1	156.4	156.1	156.6	157.3	157.8	0- 10	15.14	15.14	3.23,3.23
20	148.5	148.8	148.2	146.8	146.1	147.3	148.9	149.3	10- 20	43.24	58.38	12.4,12.4
30	134.2	134.8	134.3	132.2	131.1	133.0	135.2	135.5	20- 30	65.20	123.6	26.3,26.3
40	115.7	116.4	116.1	113.6	112.2	114.5	117.2	117.2	30- 40	78.23	201.8	43,43
50	94.09	94.61	94.43	91.84	90.86	93.01	95.62	95.94	40- 50	80.94	282.7	60.3,60.3
60	70.19	70.38	69.94	67.54	66.68	68.79	71.42	71.77	50- 60	73.22	356.0	75.9,75.9
70	44.82	44.61	43.88	41.86	41.42	43.21	45.42	46.15	60- 70	56.25	412.2	87.8,87.8
80	19.98	19.14	17.88	16.79	17.18	17.93	19.18	20.46	70- 80	32.68	444.9	94.8,94.8
90	3.422	2.674	1.441	2.585	3.475	2.897	1.765	2.806	80- 90	9.961	454.9	96.9,96.9
100	1.369	1.532	1.366	1.608	1.712	1.741	1.604	1.657	90-100	1.896	456.8	97.3,97.3
110	1.660	1.767	1.697	1.867	1.984	1.979	1.877	1.881	100-110	1.814	458.6	97.7,97.7
120	1.997	2.031	2.031	2.159	2.286	2.273	2.169	2.153	110-120	1.978	460.5	98.1,98.1
130	2.335	2.327	2.363	2.476	2.600	2.582	2.474	2.442	120-130	2.057	462.6	98.6,98.6
140	2.668	2.635	2.697	2.794	2.878	2.876	2.778	2.738	130-140	2.014	464.6	99,99
150	2.985	2.962	3.044	3.107	3.133	3.132	3.072	3.015	140-150	1.822	466.4	99.4,99.4
160	3.302	3.281	3.372	3.396	3.379	3.367	3.345	3.275	150-160	1.476	467.9	99.7,99.7
170	3.547	3.548	3.632	3.613	3.598	3.579	3.593	3.540	160-170	0.9782	468.9	99.9,99.9
180	3.680	3.675	3.726	3.694	3.690	3.675	3.724	3.695	170-180	0.3461	469.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2021-08-28**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**LUMINANCE LIMITATION CURVES**

Test:U:24.000V I:0.5170A P:12.400W PF:1.0000 Freq:0Hz		
Lamp Flux:469.238x1 lm		
NAME: HF1616TB.12.3K	TYPE: LED	
MFR.: HELIFLEX		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	11657	8187
80	11585	10274
75	12484	11769
70	13193	12804
65	13727	13460
60	14131	13959
55	14458	14348
50	14735	14659
45	14973	14913

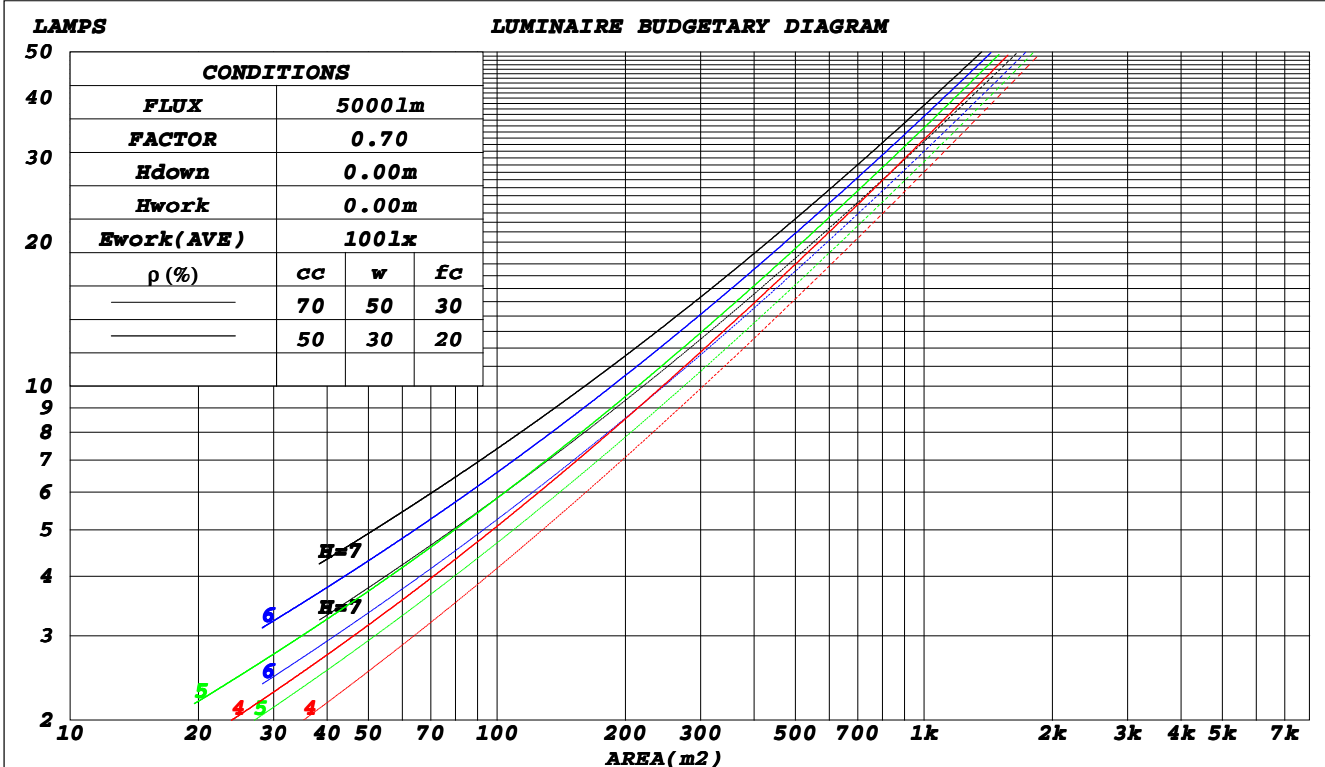
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2021-08-28**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:24.000V I:0.5170A P:12.400W PF:1.0000 Freq:0Hz		
Lamp Flux:469.238x1 lm		
NAME: HF1616TB.12.3K	TYPE: LED	
MFR.: HELIFLEX		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Coefficients of Utilization(CU)</b>									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.03	.99	.95	1.00	.97	.93	.96	.92	.89	.91	.89	.86	.87	.85	.83	.81
2.0	.90	.83	.77	.87	.81	.76	.83	.78	.74	.80	.75	.71	.76	.73	.69	.67
3.0	.79	.70	.64	.77	.69	.63	.73	.67	.62	.70	.65	.60	.67	.63	.59	.56
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.52	.62	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.44	.54	.48	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.38	.36
7.0	.51	.42	.36	.50	.41	.35	.48	.40	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.36	.31	.42	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2021-08-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.7063]  
 Remarks:

**WEC AND CCEC**

Test:U:24.000V I:0.5170A P:12.400W PF:1.0000 Freq:0Hz		
Lamp Flux:469.238x1 lm		
NAME: HF1616TB.12.3K	TYPE: LED	
MFR.: HELIFLEX		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients(WEC)</b>									
0.0																
1.0	.312	.177	.056	.304	.173	.055	.289	.166	.053	.275	.159	.051	.263	.152	.049	
2.0	.292	.160	.049	.285	.157	.048	.272	.151	.047	.260	.146	.046	.248	.140	.044	
3.0	.270	.144	.043	.264	.141	.042	.252	.136	.041	.241	.132	.040	.231	.128	.040	
4.0	.249	.129	.038	.243	.127	.038	.233	.123	.037	.223	.120	.036	.214	.116	.035	
5.0	.230	.117	.034	.225	.115	.034	.215	.112	.033	.207	.109	.032	.198	.106	.032	
6.0	.213	.107	.031	.209	.105	.030	.200	.103	.030	.192	.100	.029	.185	.097	.029	
7.0	.198	.098	.028	.194	.097	.028	.187	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.185	.090	.025	.181	.089	.025	.175	.087	.025	.168	.085	.025	.162	.083	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.158	.079	.023	.152	.077	.022	
10.0	.163	.078	.022	.160	.077	.022	.154	.076	.021	.149	.074	.021	.144	.072	.021	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients(CCEC)</b>									
0.0																
1.0	.214	.214	.214	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
2.0	.196	.156	.122	.168	.134	.105	.115	.093	.073	.066	.054	.043	.021	.017	.014	
3.0	.188	.138	.098	.161	.119	.085	.111	.083	.060	.064	.048	.035	.021	.016	.012	
4.0	.181	.125	.082	.155	.108	.072	.107	.075	.050	.062	.044	.030	.020	.014	.010	
5.0	.173	.115	.071	.149	.099	.062	.102	.069	.044	.059	.041	.026	.019	.013	.009	
6.0	.166	.106	.063	.143	.092	.055	.099	.064	.039	.057	.038	.023	.018	.012	.008	
7.0	.159	.099	.057	.137	.086	.050	.095	.060	.035	.055	.036	.021	.018	.012	.007	
8.0	.153	.094	.053	.132	.081	.046	.091	.057	.033	.053	.034	.020	.017	.011	.006	
9.0	.147	.089	.050	.126	.077	.043	.088	.054	.031	.051	.032	.018	.017	.010	.006	
10.0	.141	.084	.047	.122	.073	.041	.084	.052	.029	.049	.031	.017	.016	.010	.006	

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2021-08-28**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**UGR(Unified Glare Rating) Table**

Test:U:24.000V I:0.5170A P:12.400W PF:1.0000 Freq:0Hz		
Lamp Flux:469.238x1 lm		
NAME: HF1616TB.12.3K	TYPE: LED	
MFR.: HELIFLEX		

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				
<b>x = 2H y = 2H</b>	<b>22.0</b>	<b>23.5</b>	<b>22.3</b>	<b>23.8</b>	<b>24.0</b>	<b>22.0</b>	<b>23.5</b>	<b>22.3</b>	<b>23.7</b>	<b>24.0</b>
<b>3H</b>	<b>23.6</b>	<b>25.0</b>	<b>23.9</b>	<b>25.3</b>	<b>25.6</b>	<b>23.5</b>	<b>24.9</b>	<b>23.8</b>	<b>25.2</b>	<b>25.5</b>
<b>4H</b>	<b>24.2</b>	<b>25.5</b>	<b>24.6</b>	<b>25.8</b>	<b>26.2</b>	<b>24.1</b>	<b>25.4</b>	<b>24.5</b>	<b>25.7</b>	<b>26.0</b>
<b>6H</b>	<b>24.7</b>	<b>25.9</b>	<b>25.1</b>	<b>26.3</b>	<b>26.6</b>	<b>24.5</b>	<b>25.7</b>	<b>24.9</b>	<b>26.1</b>	<b>26.4</b>
<b>8H</b>	<b>24.9</b>	<b>26.1</b>	<b>25.3</b>	<b>26.4</b>	<b>26.8</b>	<b>24.6</b>	<b>25.8</b>	<b>25.0</b>	<b>26.1</b>	<b>26.5</b>
<b>12H</b>	<b>25.0</b>	<b>26.2</b>	<b>25.4</b>	<b>26.5</b>	<b>26.9</b>	<b>24.7</b>	<b>25.8</b>	<b>25.1</b>	<b>26.2</b>	<b>26.5</b>
<b>4H 2H</b>	<b>22.6</b>	<b>23.9</b>	<b>23.0</b>	<b>24.2</b>	<b>24.6</b>	<b>22.6</b>	<b>23.9</b>	<b>23.0</b>	<b>24.2</b>	<b>24.5</b>
<b>3H</b>	<b>24.4</b>	<b>25.5</b>	<b>24.8</b>	<b>25.9</b>	<b>26.3</b>	<b>24.3</b>	<b>25.4</b>	<b>24.7</b>	<b>25.8</b>	<b>26.2</b>
<b>4H</b>	<b>25.2</b>	<b>26.2</b>	<b>25.6</b>	<b>26.6</b>	<b>27.0</b>	<b>25.0</b>	<b>26.1</b>	<b>25.4</b>	<b>26.4</b>	<b>26.8</b>
<b>6H</b>	<b>25.8</b>	<b>26.7</b>	<b>26.2</b>	<b>27.1</b>	<b>27.5</b>	<b>25.5</b>	<b>26.5</b>	<b>26.0</b>	<b>26.9</b>	<b>27.3</b>
<b>8H</b>	<b>26.0</b>	<b>26.9</b>	<b>26.5</b>	<b>27.3</b>	<b>27.7</b>	<b>25.7</b>	<b>26.6</b>	<b>26.2</b>	<b>27.0</b>	<b>27.4</b>
<b>12H</b>	<b>26.2</b>	<b>27.0</b>	<b>26.7</b>	<b>27.4</b>	<b>27.9</b>	<b>25.8</b>	<b>26.6</b>	<b>26.3</b>	<b>27.0</b>	<b>27.5</b>
<b>8H 4H</b>	<b>25.4</b>	<b>26.3</b>	<b>25.9</b>	<b>26.7</b>	<b>27.2</b>	<b>25.3</b>	<b>26.2</b>	<b>25.8</b>	<b>26.6</b>	<b>27.0</b>
<b>6H</b>	<b>26.2</b>	<b>26.9</b>	<b>26.7</b>	<b>27.4</b>	<b>27.9</b>	<b>26.0</b>	<b>26.7</b>	<b>26.5</b>	<b>27.1</b>	<b>27.6</b>
<b>8H</b>	<b>26.5</b>	<b>27.1</b>	<b>27.0</b>	<b>27.6</b>	<b>28.1</b>	<b>26.2</b>	<b>26.8</b>	<b>26.7</b>	<b>27.3</b>	<b>27.8</b>
<b>12H</b>	<b>26.8</b>	<b>27.3</b>	<b>27.3</b>	<b>27.8</b>	<b>28.4</b>	<b>26.4</b>	<b>26.9</b>	<b>26.9</b>	<b>27.4</b>	<b>28.0</b>
<b>12H 4H</b>	<b>25.4</b>	<b>26.2</b>	<b>25.9</b>	<b>26.7</b>	<b>27.1</b>	<b>25.3</b>	<b>26.1</b>	<b>25.8</b>	<b>26.5</b>	<b>27.0</b>
<b>6H</b>	<b>26.3</b>	<b>26.9</b>	<b>26.8</b>	<b>27.4</b>	<b>27.9</b>	<b>26.0</b>	<b>26.7</b>	<b>26.5</b>	<b>27.1</b>	<b>27.7</b>
<b>8H</b>	<b>26.6</b>	<b>27.2</b>	<b>27.1</b>	<b>27.7</b>	<b>28.2</b>	<b>26.3</b>	<b>26.9</b>	<b>26.8</b>	<b>27.4</b>	<b>27.9</b>
<b>Variations with the observer position at spacings(CIE Pub.117):</b>										
<b>S = 1.0H</b>	<b>+ 0.1 / - 0.2</b>					<b>+ 0.1 / - 0.2</b>				
<b>1.5H</b>	<b>+ 0.2 / - 0.3</b>					<b>+ 0.2 / - 0.3</b>				
<b>2.0H</b>	<b>+ 0.1 / - 0.3</b>					<b>+ 0.2 / - 0.3</b>				

CIE Pub.117, 469.2 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.6)  
 Area: 0.01 m2

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2021-08-28**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**UTILIZATION FACTORS TABLE**

Test:U:24.000V I:0.5170A P:12.400W PF:1.0000 Freq:0Hz		
Lamp Flux:469.238x1 lm		
NAME: HF1616TB.12.3K	TYPE: LED	
MFR.: HELIFLEX		

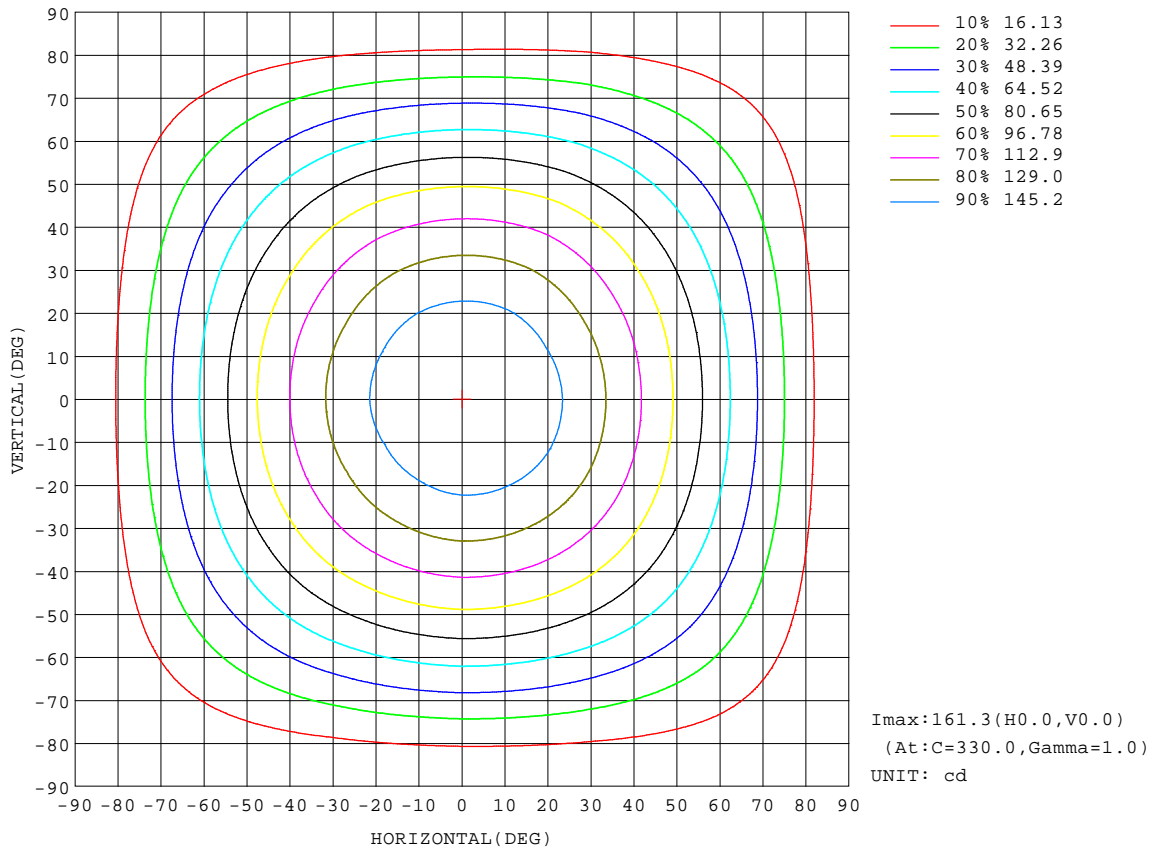
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	54	44	38	31
0.80	66	55	47	65	54	47	63	53	47	40
1.00	75	64	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	64	77	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	67
2.50	98	90	84	95	88	83	91	85	80	71
3.00	101	94	88	99	92	87	94	89	85	75
4.00	105	99	95	103	97	93	98	94	90	80
5.00	108	103	99	105	100	97	100	96	93	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNM = 1.25			

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2021-08-28**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**ISOCANDELA DIAGRAM**

Test:U:24.000V I:0.5170A P:12.400W PF:1.0000 Freq:0Hz		
Lamp Flux:469.238x1 lm		
NAME: HF1616TB.12.3K	TYPE: LED	
MFR.: HELIFLEX		



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2021-08-28**

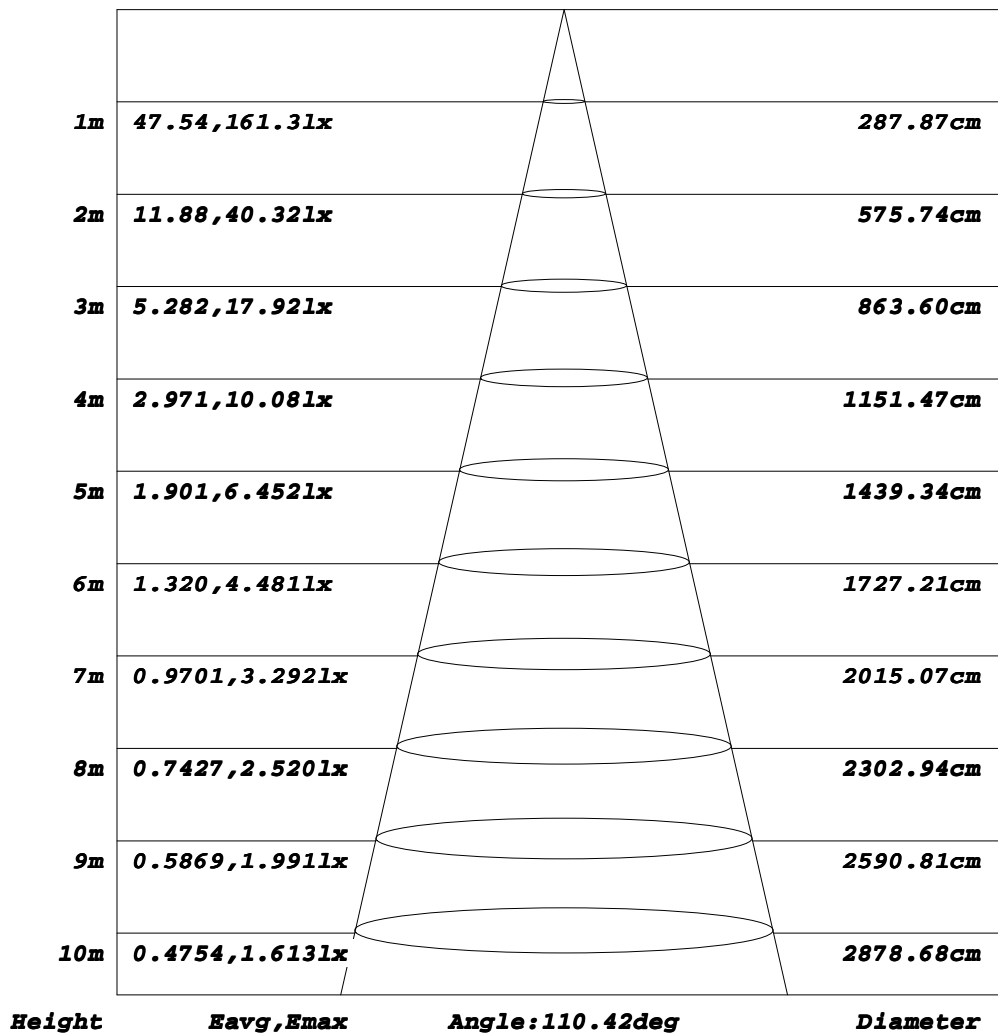
**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**



**AAI Figure**

Test:U:24.000V I:0.5170A P:12.400W PF:1.0000 Freq:0Hz		
Lamp Flux:469.238x1 lm		
NAME: HF1616TB.12.3K	TYPE: LED	
MFR.: HELIFLEX		

**Flux out:328.2 lm**



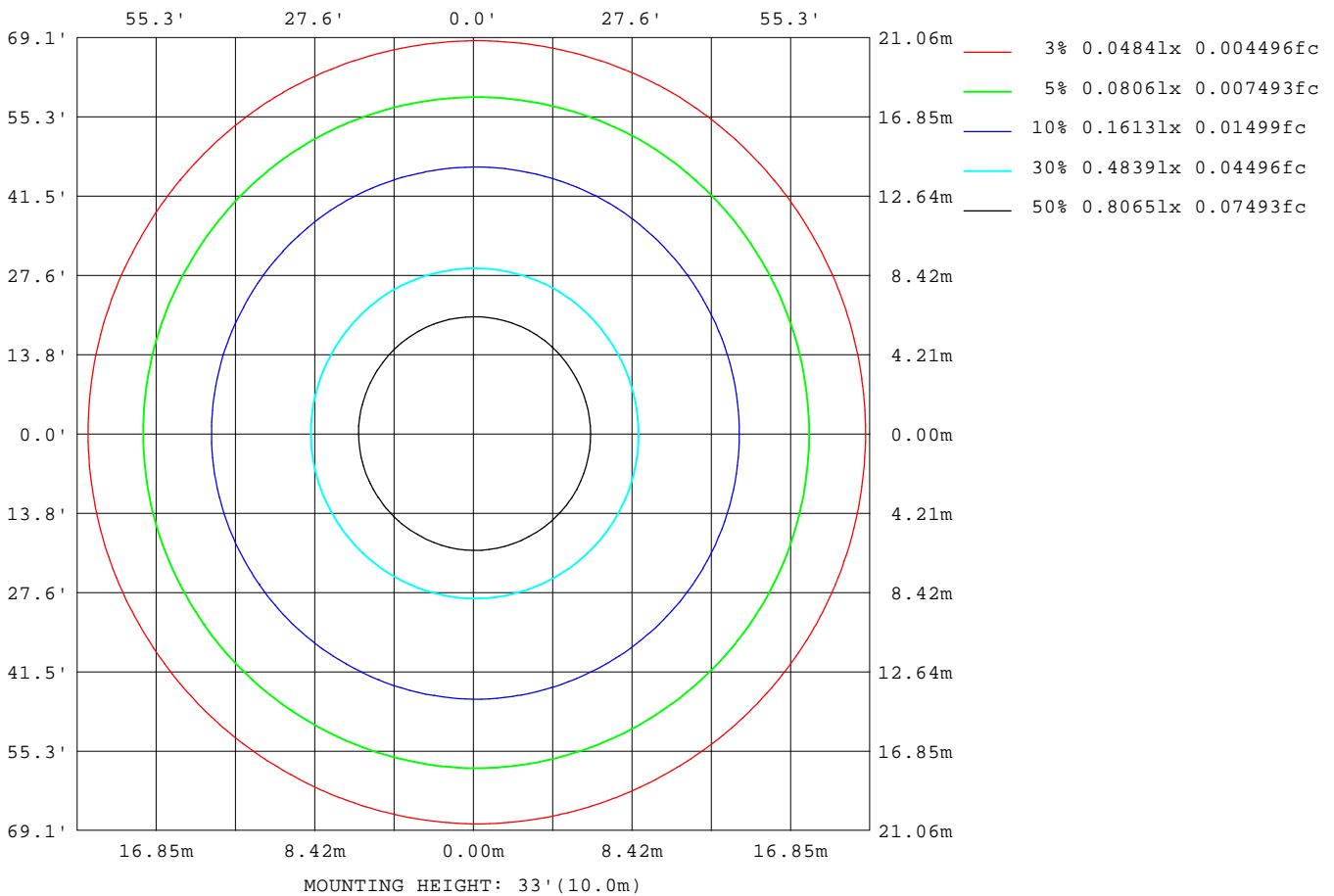
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2021-08-28**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**ISOLUX DIAGRAM**

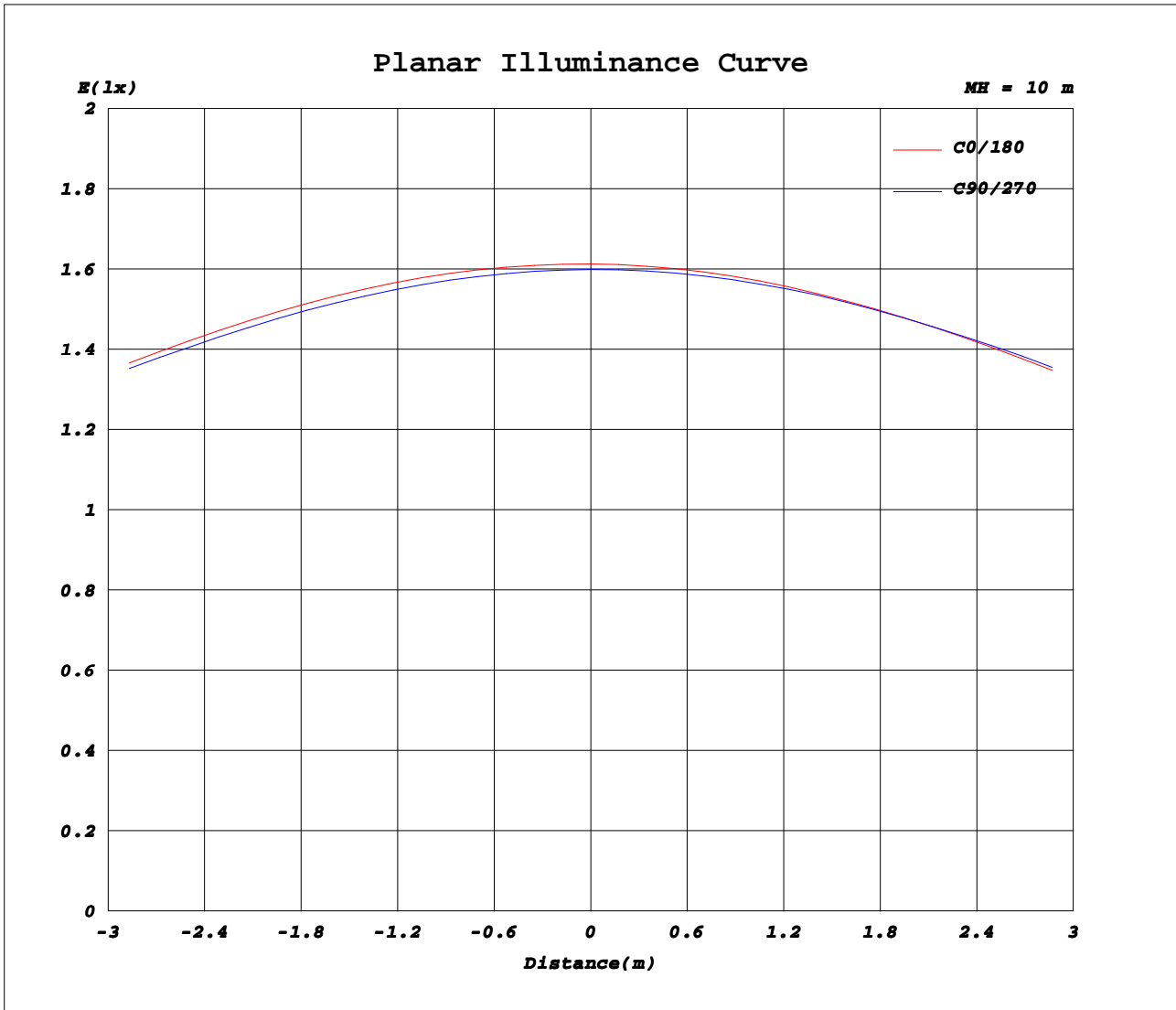
Test:U:24.000V I:0.5170A P:12.400W PF:1.0000 Freq:0Hz		
Lamp Flux:469.238x1 lm		
NAME: HF1616TB.12.3K	TYPE: LED	
MFR.: HELIFLEX		



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2021-08-28**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**Planar Illuminance Curve**



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2021-08-28**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:24.000V I:0.5170A P:12.400W PF:1.0000 Freq:0Hz		
Lamp Flux:469.238x1 lm		
NAME: HF1616TB.12.3K	TYPE: LED	
MFR.: HELIFLEX		

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	160	160	160	160	160	160	160	160	160	160	160	160							
5	160	160	160	159	159	159	159	159	159	159	160	160							
10	158	158	157	157	157	156	156	156	157	157	158	158							
15	154	154	154	153	153	152	152	152	153	154	154	154							
20	149	149	149	148	147	146	146	147	148	149	150	149							
25	142	143	142	142	141	140	139	140	142	143	143	143							
30	134	135	135	134	133	132	131	132	134	135	136	135							
35	125	126	126	126	124	123	122	123	125	127	127	126							
40	116	116	116	116	114	113	112	113	116	117	118	117							
45	105	106	106	106	104	102	102	103	106	107	108	106							
50	94.1	94.7	94.5	94.4	92.4	91.3	90.9	91.5	94.5	95.6	96.8	95.1							
55	82.4	82.9	82.6	82.5	80.5	79.4	78.9	79.7	82.5	83.8	84.7	83.4							
60	70.2	70.6	70.2	69.9	68.1	67.0	66.7	67.5	70.1	71.4	72.4	71.2							
65	57.6	57.9	57.3	57.0	55.2	54.4	54.2	54.9	57.3	58.6	59.6	58.6							
70	44.8	45.1	44.1	43.9	42.0	41.7	41.4	42.1	44.3	45.4	46.5	45.7							
75	32.1	32.2	30.9	30.5	29.0	28.9	28.8	29.2	31.1	32.1	33.3	32.5							
80	20.0	20.0	18.3	17.9	16.6	17.0	17.2	17.3	18.5	19.2	20.7	20.2							
85	10.1	9.64	8.01	7.15	6.83	7.55	8.01	7.81	8.07	8.12	9.77	9.45							
90	3.42	3.12	2.23	1.44	2.20	2.97	3.47	3.23	2.56	1.76	2.36	3.26							
95	1.30	1.43	1.54	1.20	1.59	1.57	1.82	1.81	1.67	1.47	1.62	1.65							
100	1.37	1.48	1.58	1.37	1.65	1.57	1.71	1.77	1.71	1.60	1.64	1.67							
105	1.50	1.59	1.68	1.53	1.76	1.68	1.84	1.87	1.83	1.74	1.74	1.75							
110	1.66	1.74	1.80	1.70	1.90	1.84	1.98	2.00	1.96	1.88	1.87	1.89							
115	1.83	1.88	1.91	1.87	2.03	2.00	2.14	2.14	2.10	2.02	2.01	2.02							
120	2.00	2.03	2.03	2.03	2.16	2.16	2.29	2.29	2.25	2.17	2.14	2.16							
125	2.17	2.18	2.17	2.20	2.31	2.32	2.44	2.45	2.40	2.32	2.28	2.31							
130	2.33	2.33	2.32	2.36	2.47	2.48	2.60	2.61	2.56	2.47	2.43	2.46							
135	2.50	2.48	2.47	2.53	2.63	2.64	2.74	2.75	2.71	2.62	2.58	2.60							
140	2.67	2.64	2.63	2.70	2.79	2.80	2.88	2.89	2.86	2.78	2.73	2.75							
145	2.83	2.79	2.79	2.86	2.95	2.95	3.01	3.02	2.99	2.93	2.87	2.88							
150	2.98	2.96	2.97	3.04	3.11	3.11	3.13	3.14	3.12	3.07	3.01	3.02							
155	3.14	3.11	3.13	3.21	3.27	3.25	3.25	3.25	3.25	3.21	3.16	3.14							
160	3.30	3.26	3.30	3.37	3.41	3.38	3.38	3.36	3.38	3.35	3.29	3.26							
165	3.44	3.40	3.45	3.52	3.54	3.50	3.50	3.47	3.49	3.48	3.43	3.40							
170	3.55	3.52	3.57	3.63	3.63	3.59	3.60	3.56	3.60	3.59	3.56	3.52							
175	3.63	3.61	3.64	3.69	3.69	3.65	3.66	3.63	3.66	3.68	3.65	3.61							
180	3.68	3.66	3.69	3.73	3.71	3.67	3.69	3.66	3.69	3.72	3.72	3.67							

**C Range: 0 - 360DEG**  
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**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**