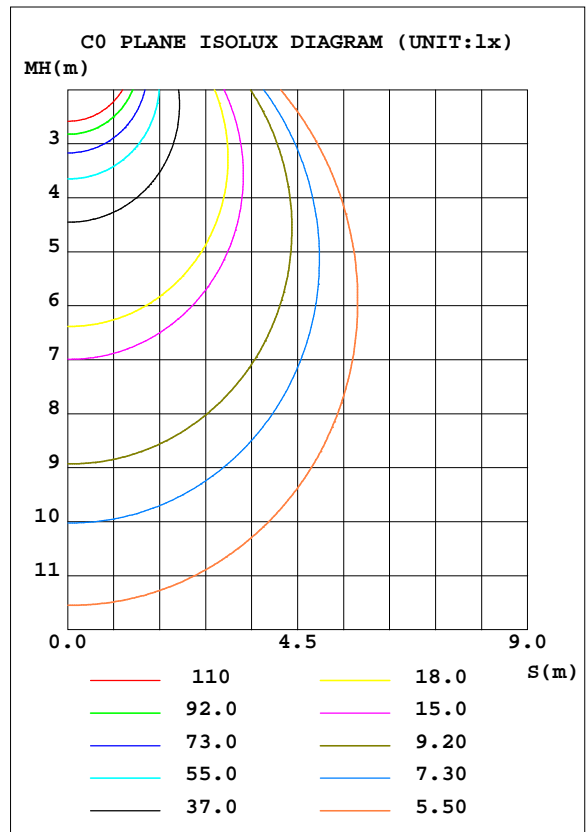
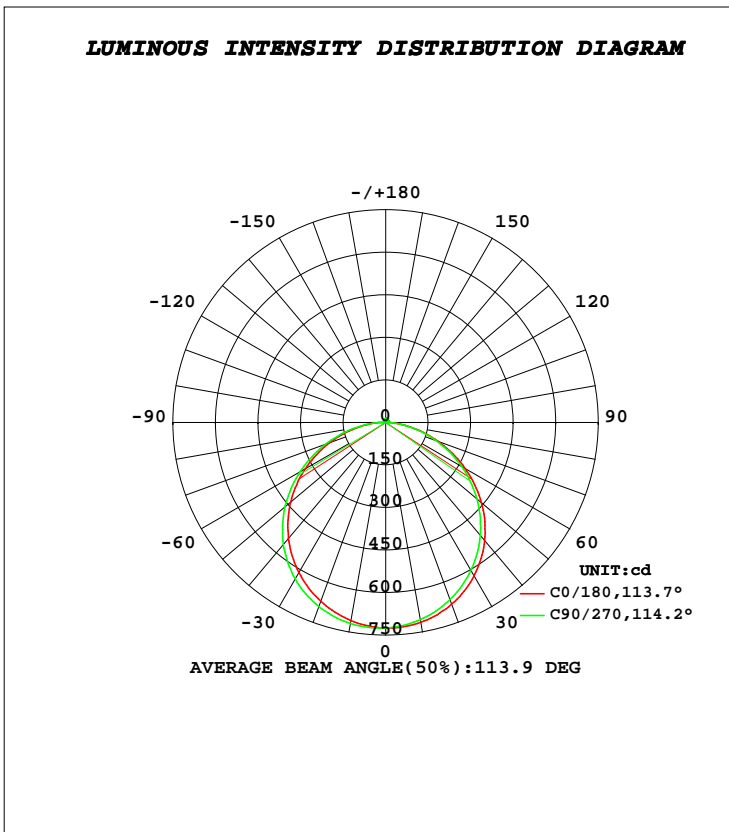


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:220.9V I:0.1860A P:40.10W PF:0.9730 Lamp Flux:2177.76x1 lm		
NAME: NSP-1230WB	TYPE:LED PANEL	
DIM.: 1195*295mm	SUR.:1145*245mm	
MFR.: NEWSTAR LED		

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax(cd)	725.8	S/MH(C0/180)	1.28
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2177.8	η UP, DN(C0-180)	1.2, 47.3
NOMINAL FLUX(lm)	2177.76	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 50.2
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.9	η down(%)	97.5	CIBSE SHR MAX	1.35



**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2019-07-16**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**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	715.6	710.4	705.8	706.1	709.1	715.5	719.5	719.6	0- 10	68.60	68.60	3.15,3.15
20	681.6	671.7	664.9	665.7	670.6	682.9	690.3	689.5	10- 20	197.0	265.6	12.2,12.2
30	624.2	609.5	601.7	603.7	611.4	628.6	638.1	635.2	20- 30	300.0	565.6	26,26
40	543.1	526.5	519.5	523.6	535.1	554.1	561.7	557.6	30- 40	364.0	929.6	42.7,42.7
50	441.0	424.4	420.4	426.8	438.7	458.6	464.4	456.0	40- 50	379.6	1309	60.1,60.1
60	322.7	308.7	308.8	316.8	328.0	346.3	349.5	337.0	50- 60	344.4	1654	75.9,75.9
70	197.4	186.8	190.7	199.7	210.9	227.0	226.3	212.8	60- 70	264.4	1918	88.1,88.1
80	80.54	73.61	78.95	87.76	98.19	112.1	106.6	95.71	70- 80	156.2	2074	95.2,95.2
90	4.524	5.177	5.186	5.248	9.664	16.57	13.52	5.769	80- 90	48.84	2123	97.5,97.5
100	5.750	6.158	6.097	6.238	6.632	6.532	6.515	6.585	90-100	6.567	2130	97.8,97.8
110	6.920	7.095	7.013	7.224	7.771	7.600	7.320	7.578	100-110	7.211	2137	98.1,98.1
120	7.949	8.076	7.932	8.285	8.746	8.557	8.224	8.614	110-120	7.748	2145	98.5,98.5
130	9.075	9.185	9.046	9.384	9.688	9.565	9.286	9.717	120-130	7.927	2153	98.8,98.8
140	10.23	10.47	10.27	10.47	10.62	10.53	10.42	10.82	130-140	7.687	2160	99.2,99.2
150	11.38	11.67	11.50	11.53	11.74	11.51	11.60	11.90	140-150	6.934	2167	99.5,99.5
160	12.59	12.68	12.65	12.58	12.81	12.48	12.66	12.83	150-160	5.611	2173	99.8,99.8
170	13.75	13.42	13.56	13.44	13.82	13.28	13.49	13.49	160-170	3.706	2176	99.9,99.9
180	14.07	13.71	13.93	13.83	14.13	13.74	13.94	13.84	170-180	1.306	2178	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

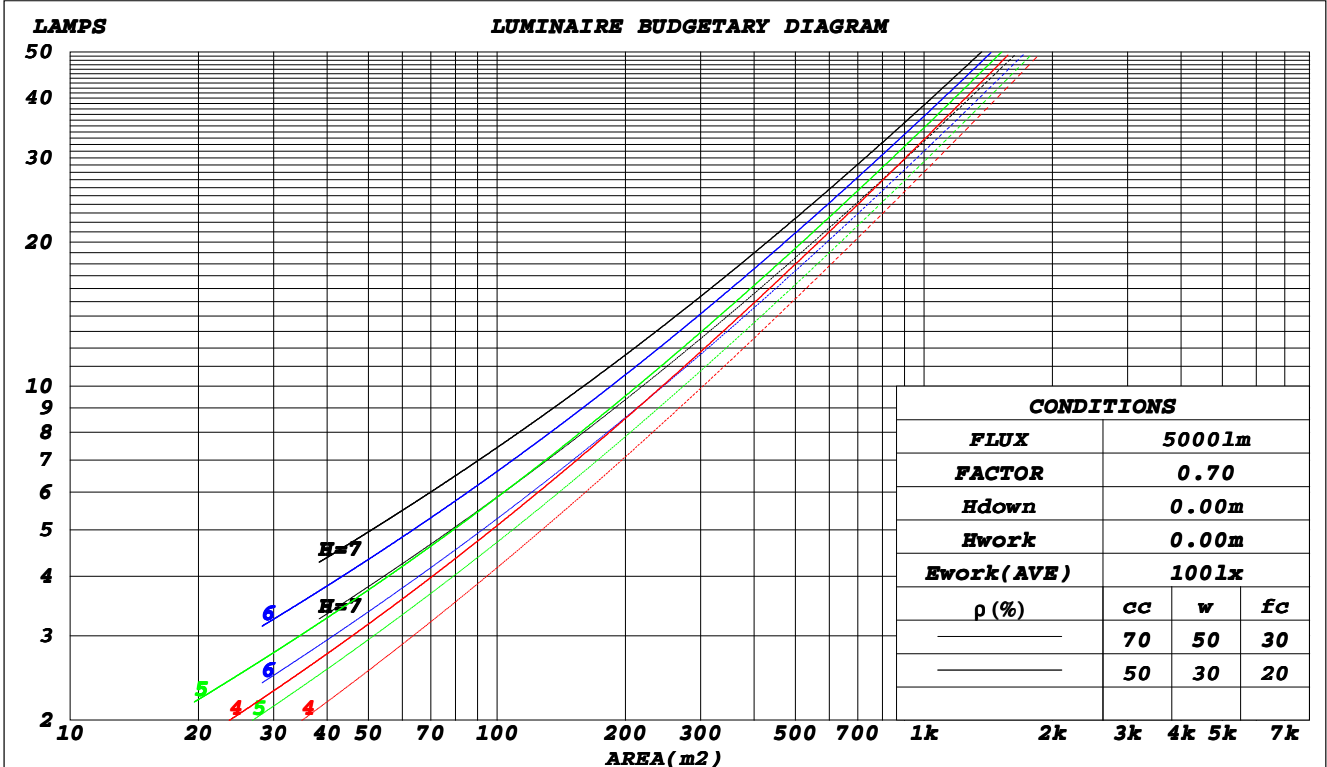
**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2019-07-16**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.9V I:0.1860A P:40.10W PF:0.9730 Lamp Flux:2177.76x1 lm		
NAME: NSP-1230WB	TYPE:LED PANEL	
DIM.: 1195*295mm	SUR.:1145*245mm	
MFR.: NEWSTAR LED		

$\rho_{cc}$	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	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.97
1.0	1.03	.99	.95	1.00	.96	.93	.96	.92	.89	.91	.89	.86	.87	.85	.83	.81
2.0	.90	.83	.77	.87	.81	.76	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.70	.64	.77	.69	.63	.73	.67	.61	.70	.65	.60	.67	.63	.59	.56
4.0	.69	.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	.49	.44	.54	.48	.44	.41
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.42	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.32	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.25
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2019-07-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.267  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.7063]  
 Remarks:

**WEC AND CCEC**

Test:U:220.9V I:0.1860A P:40.10W PF:0.9730 Lamp Flux:2177.76x1 lm		
NAME: NSP-1230WB	TYPE:LED PANEL	
DIM.: 1195*295mm	SUR.:1145*245mm	
MFR.: NEWSTAR LED		

$\rho_{cc}$	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	.315	.179	.057	.307	.175	.056	.293	.168	.054	.279	.161	.052	.267	.154	.050	
2.0	.295	.161	.050	.288	.158	.049	.275	.153	.047	.263	.147	.046	.251	.142	.045	
3.0	.272	.145	.043	.266	.142	.043	.254	.138	.042	.243	.133	.041	.233	.129	.040	
4.0	.250	.130	.038	.245	.128	.038	.235	.124	.037	.225	.121	.036	.216	.117	.036	
5.0	.231	.118	.034	.226	.116	.034	.217	.113	.033	.208	.110	.033	.200	.107	.032	
6.0	.214	.107	.031	.210	.106	.031	.202	.103	.030	.194	.101	.030	.187	.098	.029	
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.174	.091	.027	
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.169	.086	.025	.164	.084	.024	
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.159	.080	.023	.154	.078	.023	
10.0	.164	.078	.022	.161	.078	.022	.155	.076	.021	.150	.075	.021	.145	.073	.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	.210	.210	.210	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
2.0	.192	.151	.117	.164	.130	.101	.113	.090	.071	.065	.052	.041	.021	.017	.013	
3.0	.184	.134	.094	.158	.115	.081	.109	.080	.057	.063	.047	.034	.020	.015	.011	
4.0	.177	.121	.078	.152	.104	.068	.104	.073	.048	.060	.043	.028	.019	.014	.009	
5.0	.169	.110	.067	.145	.095	.058	.100	.067	.041	.058	.039	.024	.019	.013	.008	
6.0	.162	.102	.059	.139	.088	.051	.096	.062	.036	.056	.036	.022	.018	.012	.007	
7.0	.155	.095	.053	.134	.082	.046	.092	.058	.033	.054	.034	.019	.017	.011	.006	
8.0	.149	.089	.048	.128	.078	.042	.089	.054	.030	.052	.032	.018	.017	.011	.006	
9.0	.143	.084	.045	.123	.073	.039	.085	.052	.028	.050	.030	.017	.016	.010	.006	
10.0	.137	.080	.042	.118	.070	.037	.082	.049	.026	.048	.029	.016	.016	.010	.005	

**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2019-07-16**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**Uncorrected UGR Table**

Test:U:220.9V I:0.1860A P:40.10W PF:0.9730 Lamp Flux:2177.76x1 lm		
NAME: NSP-1230WB	TYPE:LED PANEL	
DIM.: 1195*295mm	SUR.:1145*245mm	
MFR.: NEWSTAR LED		

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>	15.4	16.9	15.7	17.2	17.4	15.2	16.7	15.5	16.9	17.2
3H	16.9	18.3	17.2	18.6	18.9	16.7	18.0	17.0	18.3	18.6
4H	17.5	18.8	17.8	19.1	19.4	17.2	18.5	17.6	18.8	19.2
6H	17.9	19.1	18.2	19.4	19.8	17.6	18.9	18.0	19.2	19.5
8H	18.0	19.2	18.4	19.5	19.9	17.8	19.0	18.1	19.3	19.6
12H	18.1	19.2	18.4	19.5	19.9	17.8	19.0	18.2	19.3	19.7
<b>4H 2H</b>	16.0	17.3	16.3	17.6	17.9	15.8	17.1	16.1	17.4	17.7
3H	17.6	18.8	18.0	19.1	19.5	17.4	18.6	17.8	18.9	19.3
4H	18.3	19.4	18.7	19.7	20.1	18.1	19.2	18.5	19.5	19.9
6H	18.8	19.8	19.3	20.2	20.6	18.6	19.6	19.1	20.0	20.4
8H	19.0	19.9	19.5	20.3	20.7	18.8	19.7	19.3	20.1	20.5
12H	19.1	19.9	19.6	20.3	20.8	18.9	19.7	19.4	20.1	20.6
<b>8H 4H</b>	18.5	19.4	19.0	19.8	20.2	18.3	19.2	18.8	19.6	20.1
6H	19.2	19.9	19.7	20.3	20.8	19.0	19.7	19.5	20.2	20.7
8H	19.4	20.1	19.9	20.5	21.0	19.3	19.9	19.8	20.4	20.9
12H	19.6	20.1	20.1	20.6	21.2	19.4	20.0	19.9	20.5	21.0
<b>12H 4H</b>	18.5	19.3	19.0	19.7	20.2	18.3	19.1	18.8	19.6	20.0
6H	19.2	19.9	19.7	20.3	20.8	19.1	19.7	19.6	20.2	20.7
8H	19.5	20.0	20.0	20.5	21.1	19.3	19.9	19.8	20.4	20.9
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 2178 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.7)

**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2019-07-16**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**UTILIZATION FACTORS TABLE**

Test:U:220.9V I:0.1860A P:40.10W PF:0.9730 Lamp Flux:2177.76x1 lm		
NAME: NSP-1230WB	TYPE:LED PANEL	
DIM.: 1195*295mm	SUR.:1145*245mm	
MFR.: NEWSTAR LED		

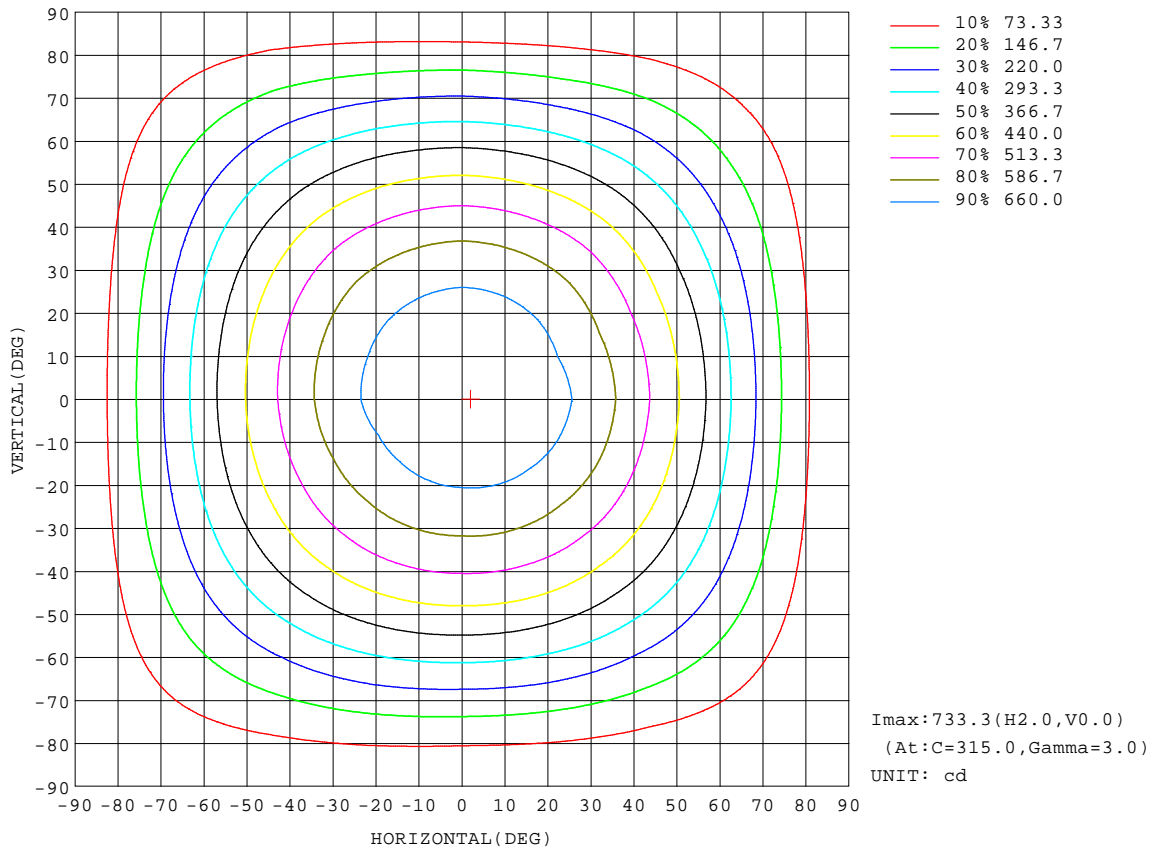
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
<b>ROOM INDEX</b>	<b>UTILIZATION FACTORS(PERCENT) <math>k(RI) \times RCR = 5</math></b>									
<b>k = 0.60</b>	56	45	38	56	44	38	54	44	37	31
<b>0.80</b>	66	55	47	65	54	47	63	53	46	39
<b>1.00</b>	75	63	56	73	63	56	71	64	55	48
<b>1.25</b>	82	71	64	80	70	63	77	69	62	55
<b>1.50</b>	87	77	70	85	76	69	82	74	68	60
<b>2.00</b>	94	85	78	92	84	77	88	81	76	67
<b>2.50</b>	98	90	84	95	88	83	91	85	80	71
<b>3.00</b>	101	94	88	99	92	87	94	89	85	75
<b>4.00</b>	105	99	95	103	97	93	98	94	90	80
<b>5.00</b>	108	103	98	105	101	97	100	96	93	83
<b>ROOM INDEX</b>	<b>UF(total)</b>									<b>Direct</b>
<b>According to DIN EN 13032-2 2004</b>			<b>Suspended</b>				<b>SHRNOM = 1.25</b>			

**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2019-07-16**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**ISOCANDELA DIAGRAM**

Test:U:220.9V I:0.1860A P:40.10W PF:0.9730 Lamp Flux:2177.76x1 lm		
NAME: NSP-1230WB	TYPE:LED PANEL	
DIM.: 1195*295mm	SUR.:1145*245mm	
MFR.: NEWSTAR LED		



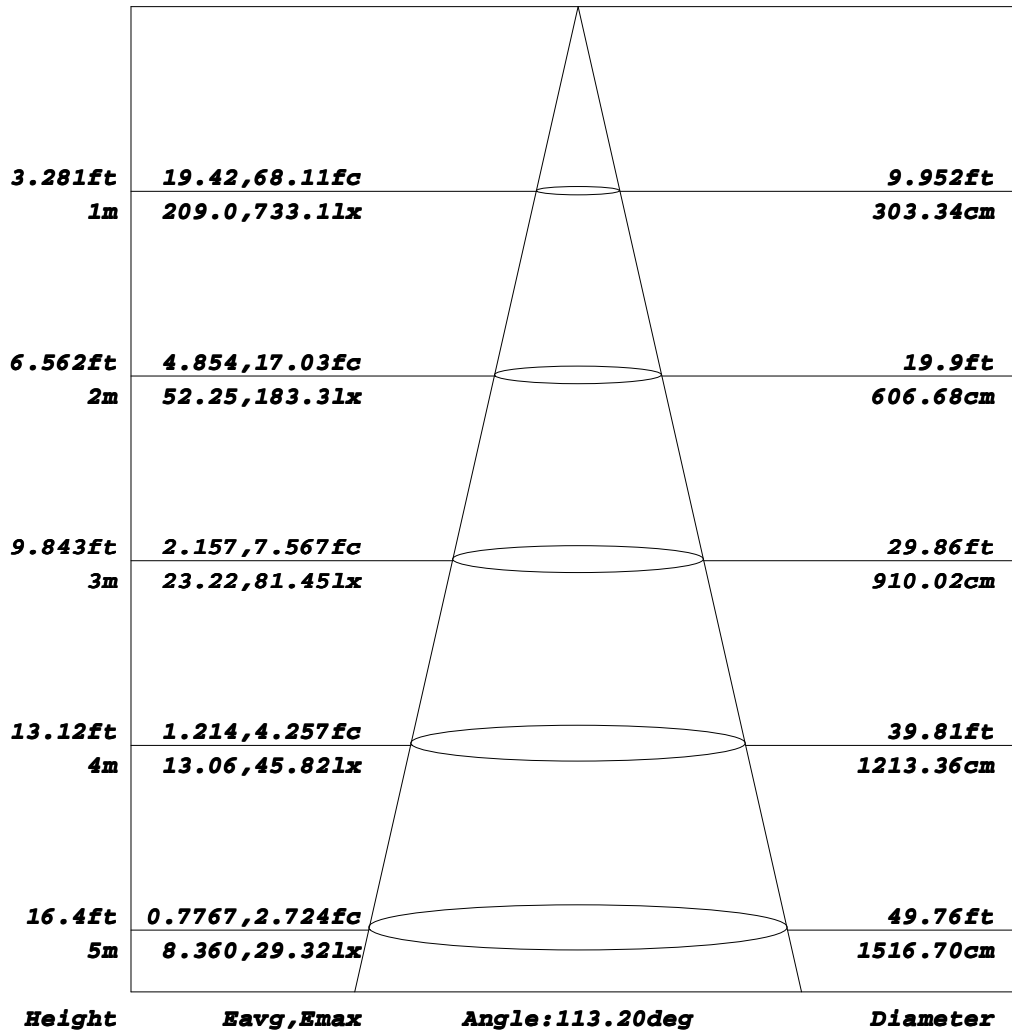
**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2019-07-16**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**AAI Figure**

Test:U:220.9V I:0.1860A P:40.10W PF:0.9730 Lamp Flux:2177.76x1 lm		
NAME: NSP-1230WB	TYPE:LED PANEL	
DIM.: 1195*295mm	SUR.:1145*245mm	
MFR.: NEWSTAR LED		

Flux out:1557 lm



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

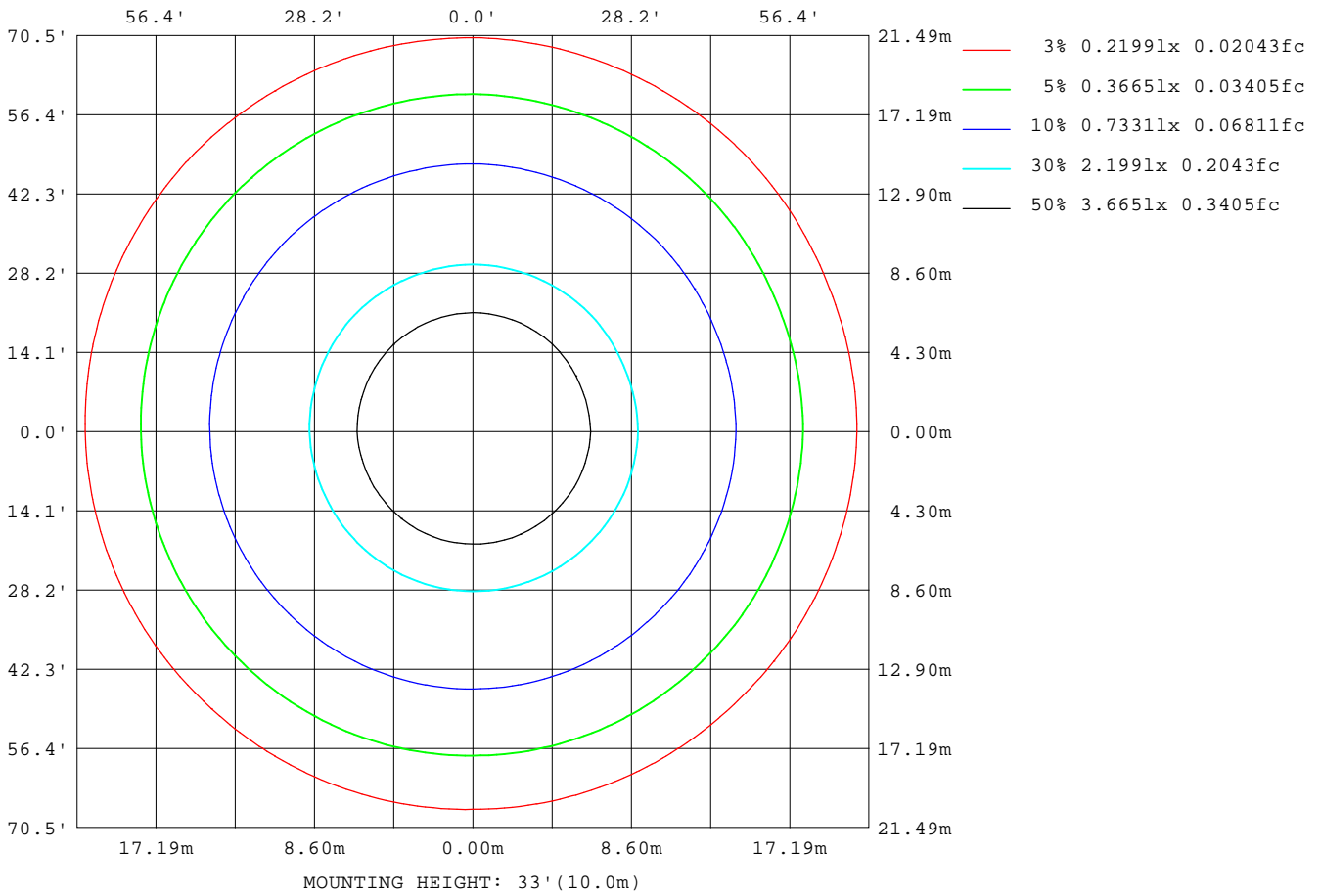
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2019-07-16

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.267  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.7063]  
 Remarks:



**ISOLUX DIAGRAM**

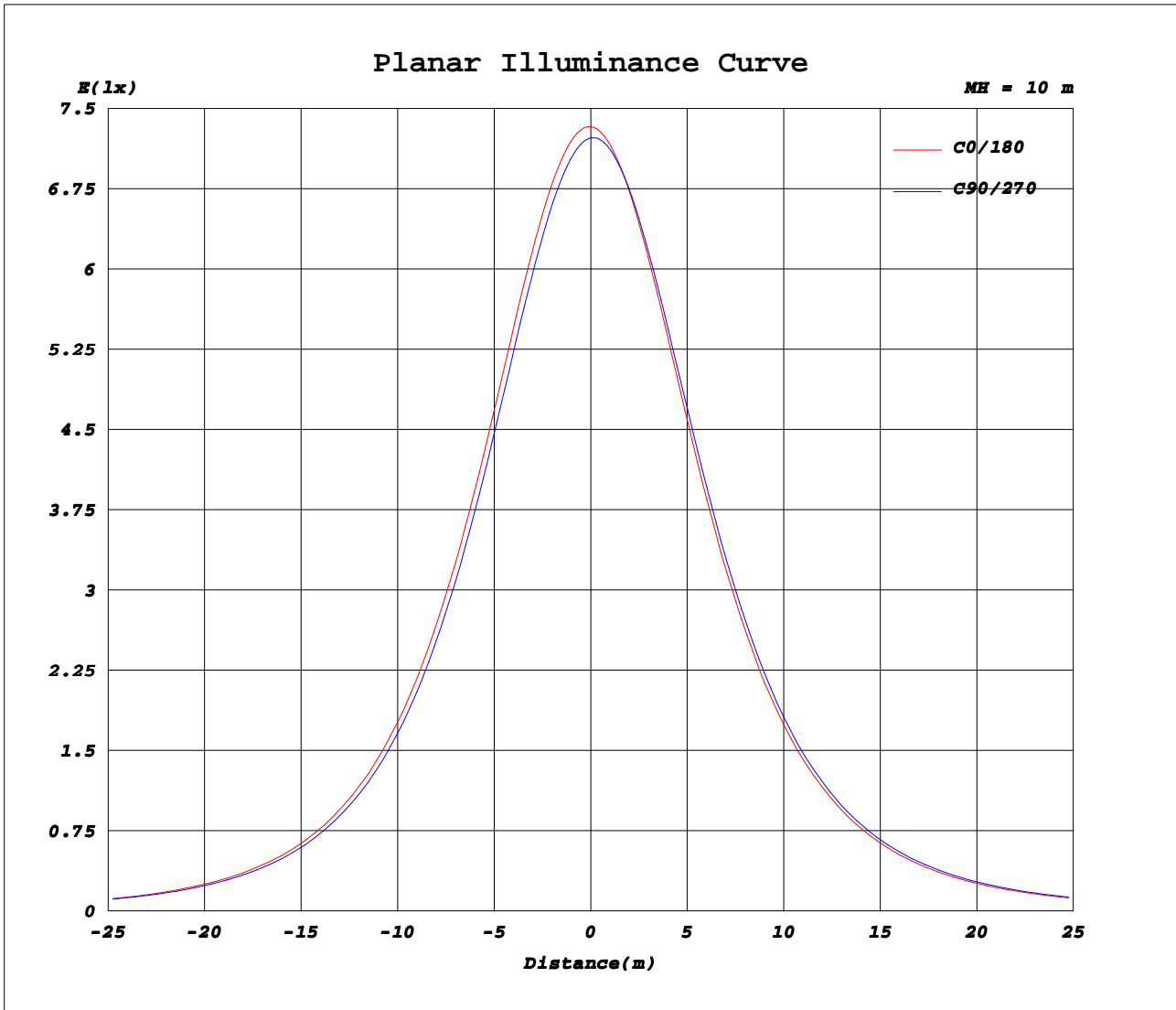
Test:U:220.9V I:0.1860A P:40.10W PF:0.9730 Lamp Flux:2177.76x1 lm		
NAME: NSP-1230WB	TYPE:LED PANEL	
DIM.: 1195*295mm	SUR.:1145*245mm	
MFR.: NEWSTAR LED		



**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2019-07-16**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**Planar Illuminance Curve**



**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2019-07-16**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:220.9V I:0.1860A P:40.10W PF:0.9730 Lamp Flux:2177.76x1 lm		
NAME: NSP-1230WB	TYPE:LED PANEL	
DIM.: 1195*295mm	SUR.:1145*245mm	
MFR.: NEWSTAR LED		

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	725	725	725	725	725	725	725	725	725	725	725	725	725	725	725	725			
5	723	722	720	719	718	718	718	719	720	721	723	724	725	725	725	724			
10	716	714	710	708	706	706	706	708	709	711	715	717	720	719	720	717			
15	702	699	694	691	688	688	688	691	692	696	702	705	708	708	708	704			
20	682	677	672	668	665	665	666	669	671	676	683	687	690	690	690	685			
25	656	651	644	639	636	636	637	642	644	650	658	663	667	667	665	660			
30	624	618	609	606	602	603	604	609	611	619	629	634	638	637	635	628			
35	586	580	571	567	563	565	566	572	575	583	594	598	603	601	599	591			
40	543	535	526	522	520	521	524	529	535	542	554	557	562	558	558	548			
45	495	486	478	474	472	474	477	484	488	497	508	511	515	511	509	500			
50	441	433	424	422	420	423	427	434	439	448	459	461	464	459	456	446			
55	384	376	368	366	366	369	373	381	384	394	403	407	408	403	397	389			
60	323	316	309	309	309	313	317	325	328	338	346	348	350	343	337	328			
65	260	254	248	249	250	255	259	266	270	280	287	289	289	282	275	266			
70	197	192	187	190	191	197	200	208	211	219	227	227	226	218	213	202			
75	137	133	128	132	133	140	142	151	153	161	168	166	165	157	152	141			
80	80.5	78.4	73.6	78.2	78.9	85.9	87.8	96.5	98.2	105	112	109	107	100	95.7	84.8			
85	32.6	30.3	27.4	30.2	32.2	37.3	40.8	47.1	48.9	53.9	60.7	58.3	54.0	50.1	44.9	35.1			
90	4.52	4.85	5.18	5.35	5.19	5.40	5.25	7.82	9.66	12.6	16.6	15.3	13.5	8.54	5.77	5.65			
95	5.12	5.41	5.49	5.63	5.57	5.72	5.50	5.43	6.10	6.01	6.04	6.09	6.11	6.12	6.09	6.11			
100	5.75	5.98	6.16	6.08	6.10	6.10	6.24	6.03	6.63	6.53	6.53	6.56	6.51	6.57	6.59	6.65			
105	6.36	6.55	6.62	6.59	6.57	6.62	6.74	6.62	7.19	7.09	7.06	7.01	6.92	7.00	7.08	7.19			
110	6.92	7.07	7.09	7.05	7.01	7.11	7.22	7.20	7.77	7.69	7.60	7.45	7.32	7.44	7.58	7.74			
115	7.43	7.54	7.58	7.49	7.45	7.56	7.76	7.74	8.28	8.21	8.09	7.86	7.75	7.89	8.08	8.25			
120	7.95	8.05	8.08	7.97	7.93	8.03	8.29	8.31	8.75	8.72	8.56	8.29	8.22	8.39	8.61	8.79			
125	8.50	8.60	8.60	8.48	8.46	8.56	8.83	8.87	9.25	9.25	9.07	8.82	8.75	8.94	9.16	9.38			
130	9.07	9.18	9.18	9.06	9.05	9.12	9.38	9.43	9.69	9.71	9.56	9.33	9.29	9.49	9.72	9.91			
135	9.65	9.81	9.81	9.70	9.66	9.71	9.92	9.98	10.1	10.1	10.0	9.87	9.85	10.1	10.3	10.4			
140	10.2	10.4	10.5	10.4	10.3	10.3	10.5	10.5	10.6	10.6	10.5	10.4	10.4	10.6	10.8	10.9			
145	10.8	11.1	11.1	11.0	10.9	10.9	11.0	11.0	11.2	11.1	11.0	11.0	11.1	11.2	11.4	11.5			
150	11.4	11.7	11.7	11.5	11.5	11.5	11.5	11.5	11.7	11.5	11.5	11.5	11.6	11.7	11.9	12.0			
155	12.0	12.3	12.2	12.1	12.1	12.1	12.1	12.0	12.3	12.0	12.0	12.1	12.1	12.2	12.4	12.6			
160	12.6	12.9	12.7	12.6	12.7	12.6	12.6	12.6	12.8	12.5	12.5	12.6	12.7	12.7	12.8	13.1			
165	13.2	13.4	13.1	13.0	13.2	13.1	13.0	13.0	13.3	12.9	12.9	13.0	13.1	13.1	13.2	13.5			
170	13.7	13.7	13.4	13.4	13.6	13.5	13.4	13.5	13.8	13.3	13.3	13.4	13.5	13.4	13.5	13.8			
175	14.0	13.8	13.6	13.7	13.8	13.8	13.7	13.8	14.1	13.7	13.6	13.6	13.8	13.7	13.7	13.9			
180	14.1	13.9	13.7	13.8	13.9	13.9	13.8	14.0	14.1	13.8	13.7	13.8	13.9	13.9	13.8	14.0			

**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2019-07-16**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.267**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**