

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	280.5 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	156.9V x 180.0H
	At 50% of Imax	114.6V x 148.3H
	At 90% of Imax	59.3V x 60.9H

Beam Flux	Total	995.5 lumens per klm.
	To 10% of Imax	992.3 lumens per klm.
	To 50% of Imax	804.6 lumens per klm.
	To 90% of Imax	232.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.5 %

Luminaire Efficiency(Light Output Ratio)	100.0 %
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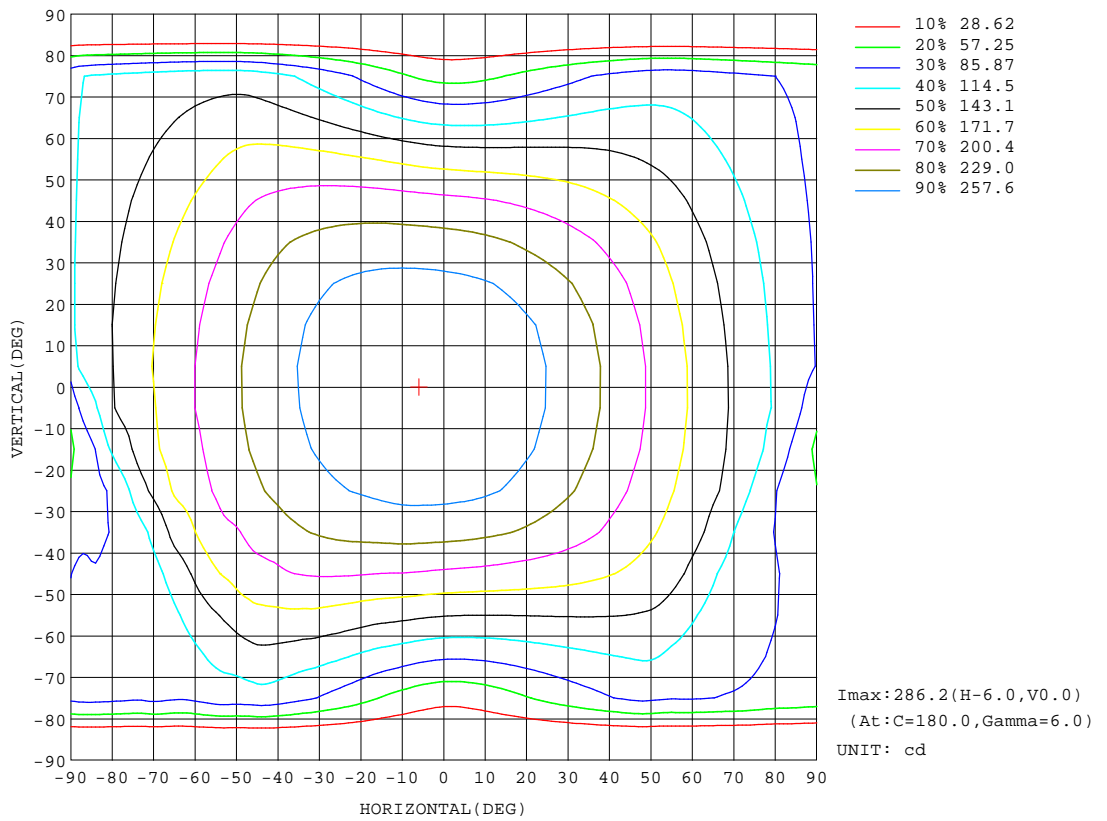
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:27.1DEG  
Operators:QC1  
Test Date:2024-01-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity:61%  
Test Distance:8.300m [K=1.0000]  
Remarks:



**ISOCANDELA DIAGRAM**

Test:U:219.9V I:0.1884A P:24.49W PF:0.5911 Lamp Flux:1020.42x1 lm		
NAME: 8.02.019.0065 LLS-OP-W30A-L12-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024010092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

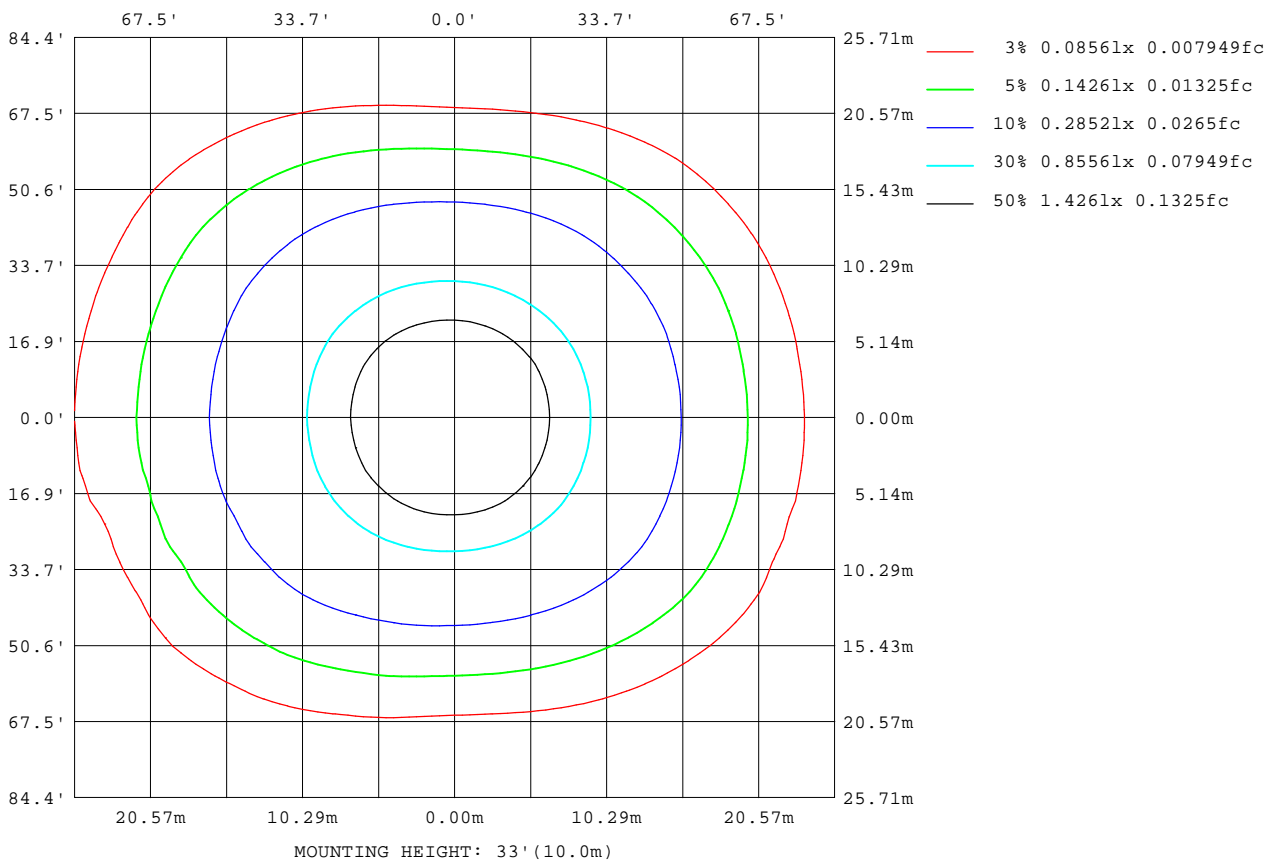


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 Test Speed: HIGH  
 Temperature:27.1DEG  
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 Test Date:2024-01-22

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 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity:61%  
 Test Distance:8.300m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:219.9V I:0.1884A P:24.49W PF:0.5911 Lamp Flux:1020.42x1 lm		
NAME: 8.02.019.0065 LLS-OP-W30A-L12-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024010092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:



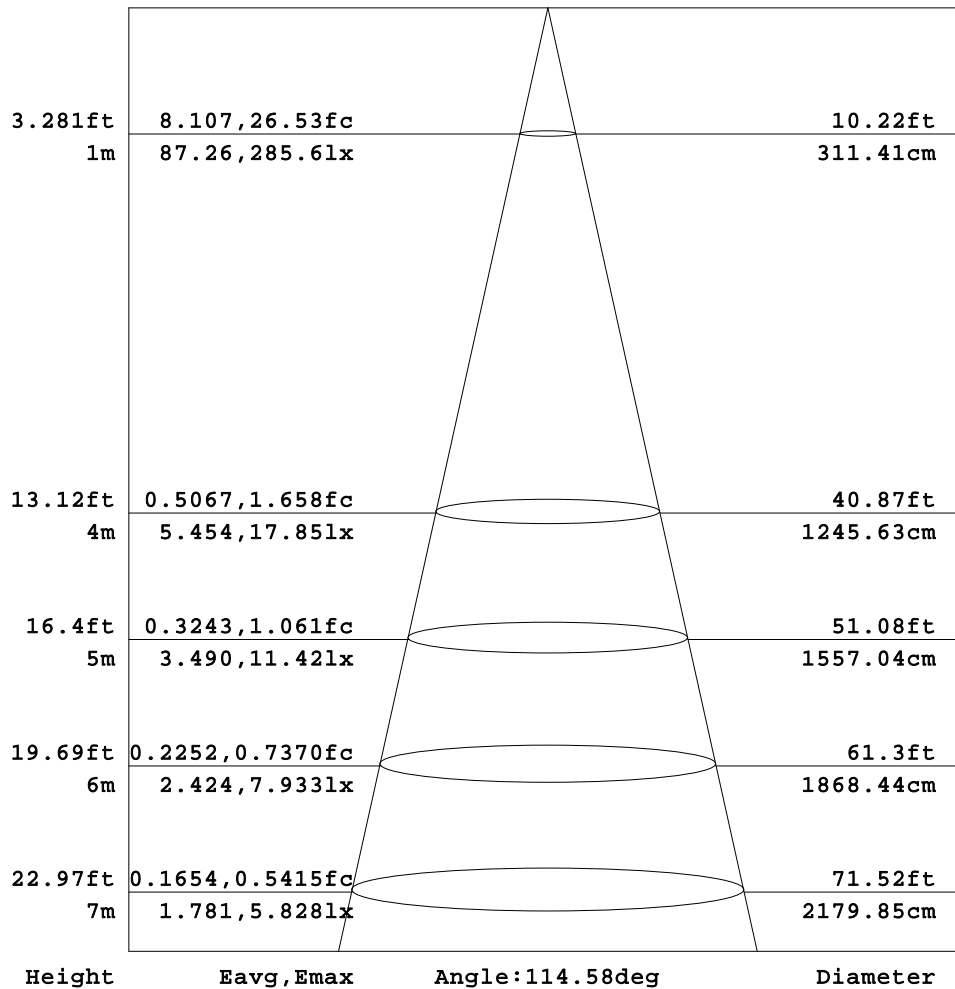
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:27.1DEG  
Operators:QC1  
Test Date:2024-01-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity:61%  
Test Distance:8.300m [K=1.0000]  
Remarks:

AAI Figure

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NAME: 8.02.019.0065 LLS-OP-W30A-L12-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024010092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

Flux out:675.4 lm

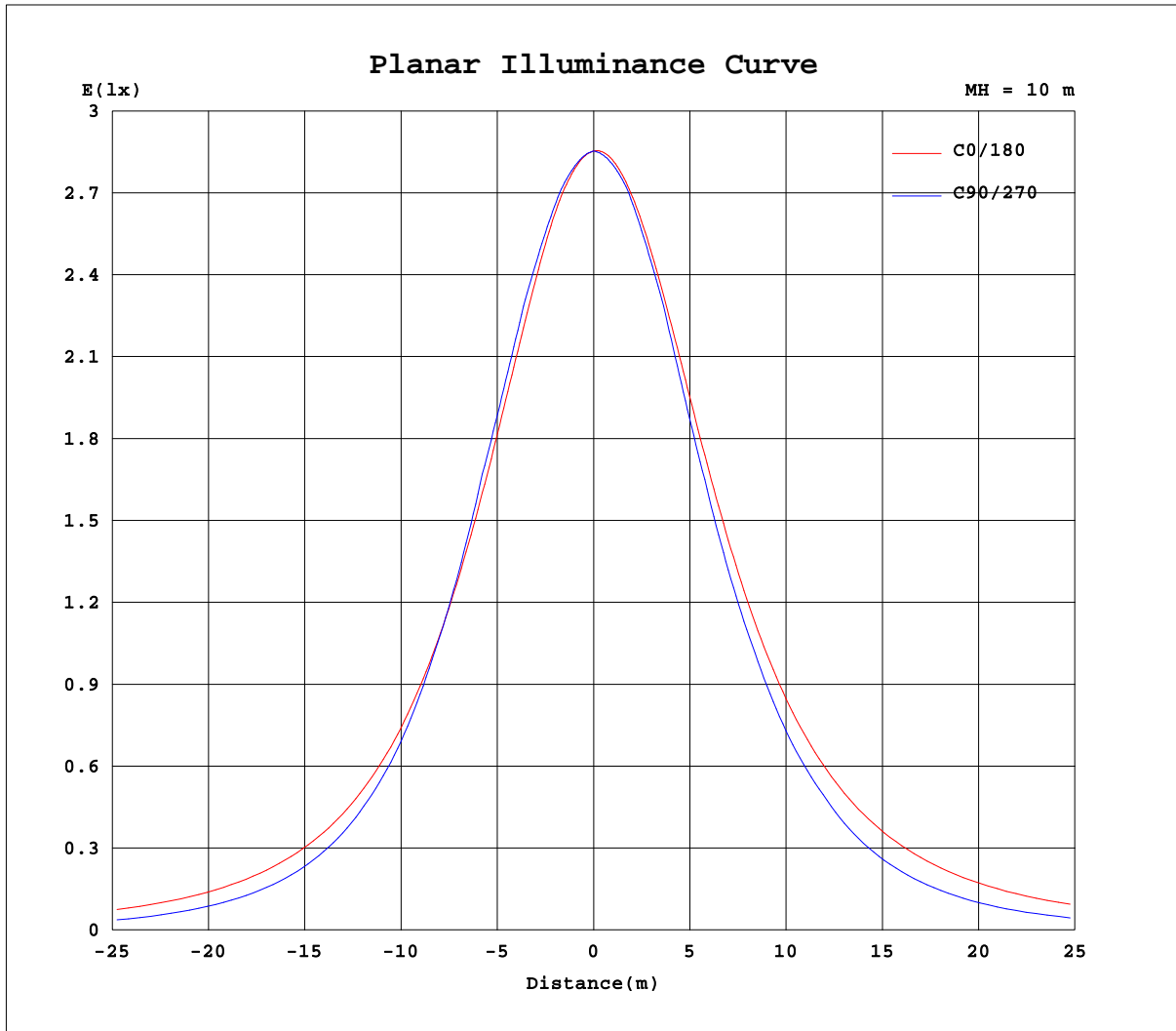


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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V(B) Interval: 5.0DEG  
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Remarks:

Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: 8.02.019.0065 LLS-OP-W30A-L12-S	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2024010092
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

H(DEC) V(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	94.0	94.6	91.6	88.1	91.2	85.1	87.6	93.1	90.0	91.2	84.8	75.1	64.8	53.6	42.6	31.3	21.7	14.0	10.6
-75	92.6	95.8	93.7	90.8	93.8	89.9	92.8	101	101	104	101	92.9	84.7	75.7	66.0	55.9	47.5	40.3	36.2
-70	94.0	96.4	94.7	92.4	96.0	93.6	101	111	113	118	114	107	101	94.0	85.3	76.8	70.2	64.3	61.4
-65	91.4	97.1	95.8	94.1	97.6	98.0	108	120	126	134	133	128	124	118	110	104	98.3	92.8	89.7
-60	94.7	97.4	96.2	97.2	98.2	105	120	131	143	151	149	146	144	138	132	128	124	120	117
-55	90.2	95.4	96.0	96.1	99.2	110	127	141	156	165	166	166	165	161	157	153	150	147	145
-50	93.3	93.3	94.5	97.8	102	121	140	157	174	179	184	186	185	183	180	177	176	173	171
-45	85.4	88.4	91.7	95.1	106	126	148	169	181	191	196	201	203	203	202	200	200	198	196
-40	83.3	82.0	89.4	95.9	116	140	165	187	193	203	211	217	221	223	223	223	224	222	220
-35	72.2	80.1	87.4	100	121	152	171	191	198	211	218	226	231	235	237	239	241	240	239
-30	67.8	79.2	91.0	110	136	171	188	200	208	222	230	238	244	249	252	256	258	258	257
-25	60.8	76.4	91.6	120	149	175	187	203	213	225	235	243	250	256	260	263	266	267	267
-20	66.0	79.0	103	144	170	183	193	210	222	233	243	252	259	264	269	273	276	276	275
-15	49.6	80.4	118	145	166	183	195	210	222	233	244	253	260	267	272	276	279	280	279
-10	51.5	93.6	144	158	170	189	202	215	227	238	248	257	265	272	277	281	283	284	283
-5	66.1	106	140	158	170	187	200	214	226	237	248	257	265	272	278	282	284	285	284
0	102	129	146	163	177	191	204	217	230	241	251	261	269	275	281	284	286	286	285
5	97.9	128	142	159	173	187	200	214	226	238	249	258	267	274	279	283	285	285	285
10	115	133	147	161	175	188	202	215	227	239	250	259	268	274	279	282	284	285	284
15	106	130	143	157	170	184	197	210	223	234	245	255	263	270	275	278	280	281	280
20	115	132	145	158	172	185	198	211	223	234	245	254	262	268	273	276	277	277	275
25	107	128	141	154	167	179	192	204	216	228	238	247	254	259	263	266	266	266	265
30	114	130	142	154	167	179	191	203	214	225	235	242	248	252	255	256	256	255	254
35	107	126	138	149	161	173	184	196	207	217	225	231	236	240	242	243	243	242	240
40	113	127	138	149	160	171	182	193	203	212	218	223	226	228	229	230	229	227	226
45	106	124	134	144	154	164	174	184	193	201	206	209	212	213	213	212	211	209	207
50	112	125	134	143	152	161	170	178	187	192	195	197	198	198	197	194	192	189	187
55	106	121	129	137	145	153	161	169	177	181	182	181	180	177	174	170	166	163	160
60	111	121	128	135	142	149	156	163	169	170	168	164	160	155	150	145	140	136	133
65	106	119	125	131	136	142	148	153	157	156	152	147	141	134	127	120	113	108	105
70	111	119	124	129	133	137	141	144	145	141	135	128	120	111	102	92.7	84.7	78.4	75.3
75	107	117	120	124	127	130	132	133	133	129	121	113	103	92.5	81.7	70.8	60.7	52.4	47.7
80	108	116	118	120	122	123	123	121	119	114	104	93.8	82.3	70.0	57.4	44.8	33.0	23.8	19.6
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Remarks:

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Table--2

UNIT: cd

H( DEG) V( DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	13.4	20.1	28.8	38.1	47.4	56.3	64.8	72.5	79.4	78.9	79.7	80.4	78.5	77.1	74.4	72.7	72.5	71.7
-75	37.1	41.7	48.2	55.7	63.4	70.9	78.0	84.5	90.2	91.6	87.9	88.3	86.0	84.1	81.1	76.6	74.8	72.2
-70	62.2	65.6	70.6	76.4	82.5	88.4	94.0	99.0	103	102	96.3	95.4	92.6	90.3	85.6	79.7	76.0	71.6
-65	89.4	91.1	94.2	98.0	102	106	110	113	116	117	108	102	97.7	94.0	89.5	83.2	77.5	72.5
-60	117	118	119	121	123	126	127	129	129	129	117	107	101	96.2	90.8	83.8	77.1	70.9
-55	144	143	143	144	144	145	145	144	143	141	133	118	106	99.5	93.4	86.9	77.9	72.0
-50	170	169	168	167	165	164	162	159	156	151	142	123	108	100	93.5	86.5	76.2	69.8
-45	195	193	191	188	186	182	178	173	167	160	152	137	118	103	94.9	87.4	78.3	69.8
-40	219	216	213	209	205	199	193	185	176	167	156	145	121	101	93.3	85.4	75.6	66.7
-35	237	234	230	226	220	213	205	196	186	175	164	152	135	115	96.3	85.2	76.9	65.8
-30	255	252	246	240	232	224	214	203	191	179	167	155	142	119	92.8	81.8	73.6	61.6
-25	265	261	256	249	241	232	222	211	199	186	173	160	147	131	110	87.3	69.9	58.4
-20	273	269	263	255	247	237	226	214	201	188	174	161	147	134	117	84.9	62.9	49.9
-15	277	274	268	261	252	242	231	219	207	193	180	166	152	138	124	102	77.2	50.3
-10	280	277	271	263	254	243	232	220	207	193	179	165	151	136	123	109	80.9	37.5
-5	282	279	273	266	257	247	236	223	211	197	183	168	154	139	125	112	94.1	66.3
0	283	279	273	265	256	246	234	222	209	195	180	166	151	137	123	109	95.8	83.0
5	283	279	274	266	257	247	236	224	210	197	183	168	153	139	125	111	97.9	85.0
10	282	278	271	264	254	244	233	220	207	193	179	164	150	135	122	108	94.9	81.9
15	278	274	269	261	253	243	231	219	206	193	179	165	151	137	123	110	96.8	84.3
20	273	269	263	256	247	237	226	214	201	187	174	160	146	132	119	106	93.7	81.6
25	263	259	254	247	240	231	221	210	198	186	173	159	146	133	120	108	95.5	83.7
30	252	248	243	236	229	221	212	202	191	179	167	154	141	128	116	104	92.6	81.2
35	238	235	230	224	218	211	203	195	185	175	163	151	139	127	116	105	93.6	83.0
40	223	220	215	210	205	198	191	183	175	166	156	144	133	122	111	101	90.3	80.5
45	205	202	199	195	191	186	180	173	166	159	150	140	130	120	110	100	90.8	81.7
50	185	183	181	178	175	171	166	161	155	149	141	132	123	114	105	96.0	87.6	79.1
55	159	158	157	156	155	154	152	149	145	140	135	127	119	111	103	95.4	87.9	80.6
60	132	132	133	134	135	136	136	136	133	130	126	119	112	105	98.5	91.8	85.3	79.0
65	104	105	107	110	113	116	119	121	121	121	119	114	108	102	96.8	91.2	85.6	80.2
70	75.6	78.1	82.2	87.1	92.3	97.1	102	106	110	111	110	106	102	97.2	92.8	88.3	83.8	79.2
75	48.1	51.9	57.8	64.7	71.8	78.7	85.1	91.0	96.1	99.9	101	99.1	95.9	92.5	89.2	85.9	82.5	79.0
80	21.7	27.9	36.2	45.1	54.2	62.8	70.8	78.1	84.4	89.7	91.7	90.6	88.6	86.5	84.3	82.1	79.9	77.5
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:27.1DEG  
Operators:QC1  
Test Date:2024-01-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity:61%  
Test Distance:8.300m [K=1.0000]  
Remarks: