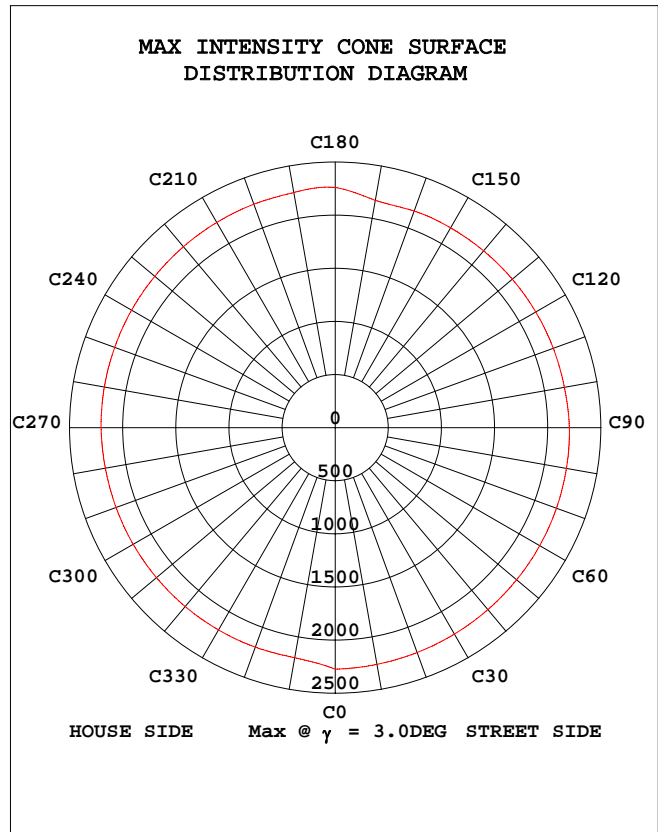
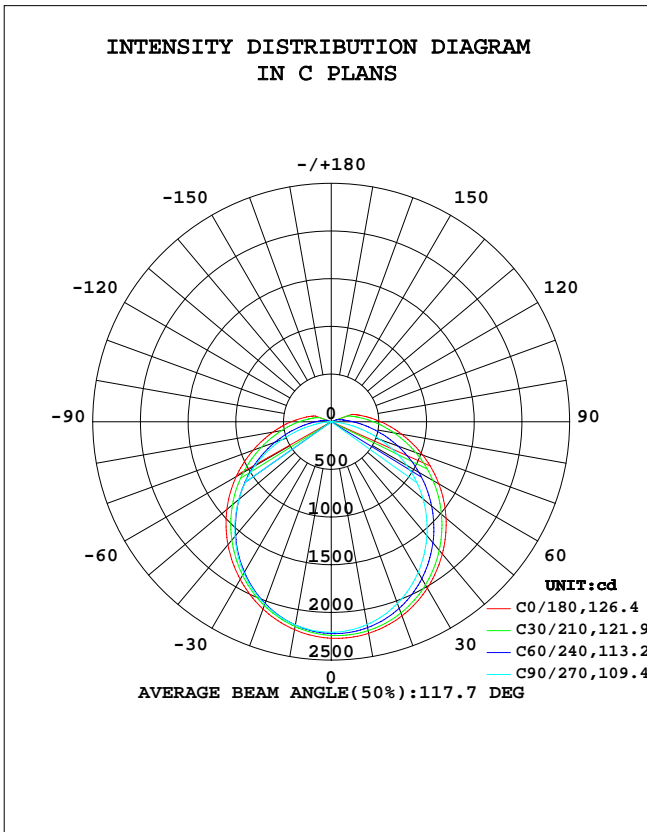


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.52V I:0.2676A P:59.183W PF:0.9635 Freq:49.99Hz Lamp Flux:7411.01x1 lm		
NAME: F1141_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.22 lm/W			
MODEL	F1141-60W	I _{max} (cd)	2273	η street_up(%)	2.5
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	46.6
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	7411	η house_up(%)	2.7
NOMINAL FLUX(lm)	7411.01	MAXIMUM @(C,γ)	0,3.0	η house_down(%)	48.2
LAMPS INSIDE	1	η up(%)	5.2	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.0	η down(%)	94.8	SLI	19.932

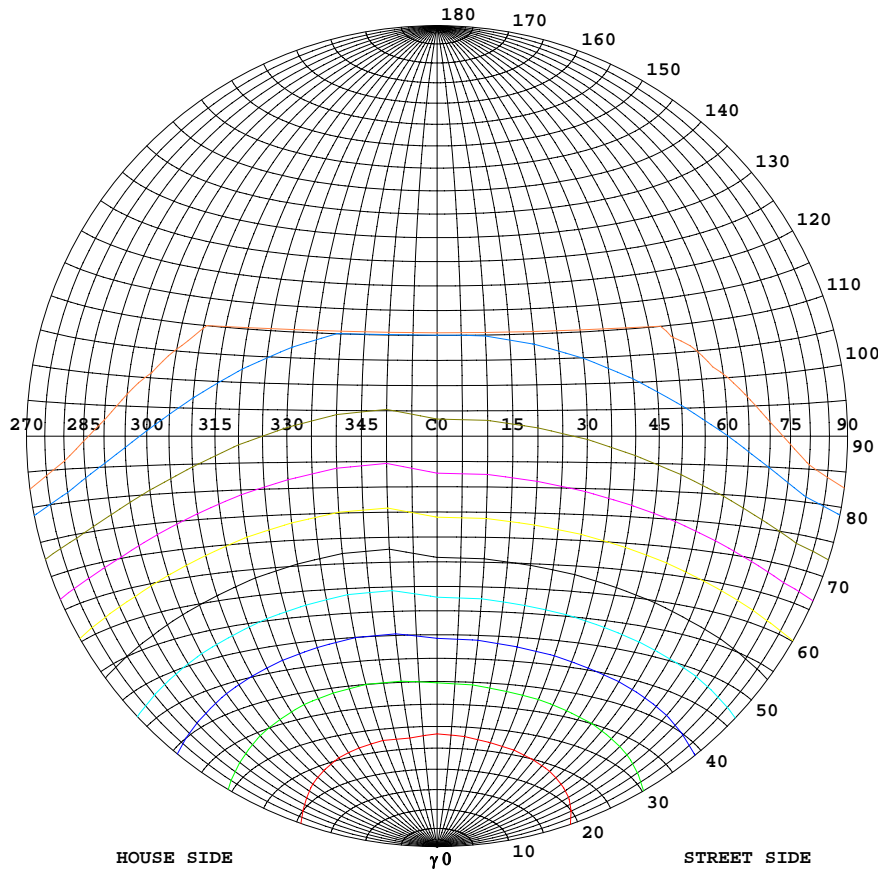


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity: 65.0%
 Test Distance: 9.840m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:229.52V I:0.2676A P:59.183W PF:0.9635 Freq:49.99Hz Lamp Flux:7411.01x1 lm		
NAME: F1141_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`



Classification:

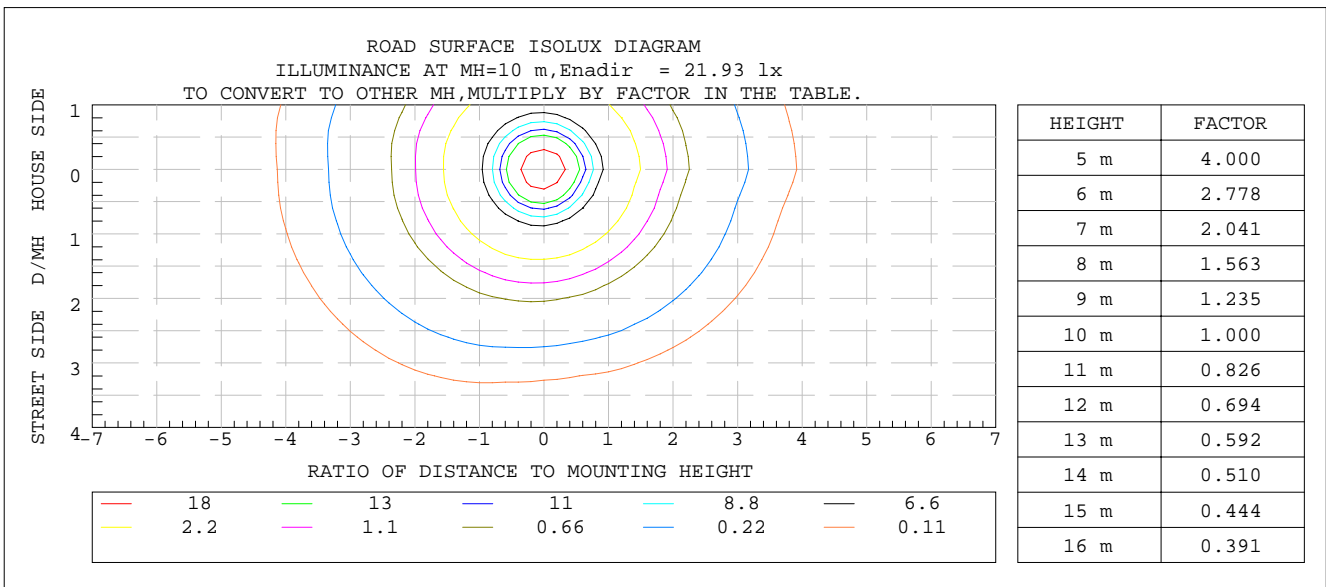
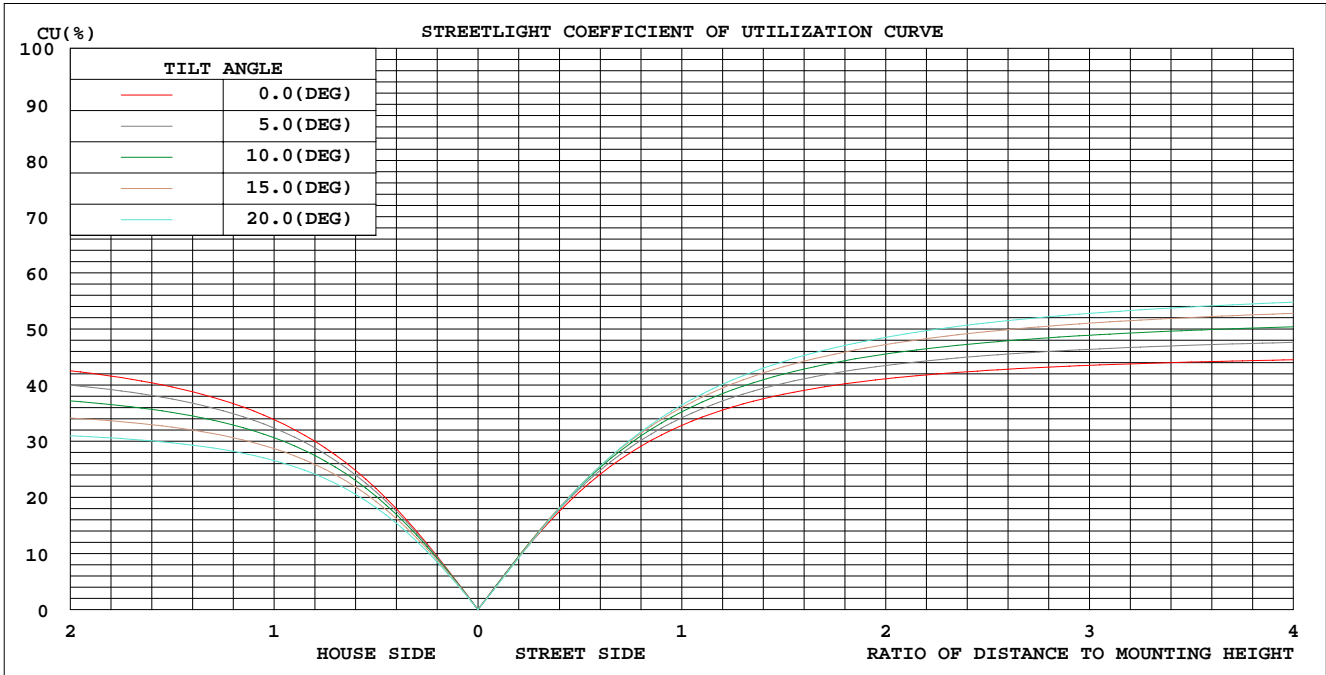
IES:Type VS - Very Short
 CIE:Narrow - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:107.6cd/klm
 Max.At90:75.51cd/klm
 Max.80-90:107.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2273
90%	2046
80%	1818
70%	1591
60%	1364
50%	1137
40%	909
30%	682
20%	455
10%	227
5%	114

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 1
Test Date: 2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.390
Humidity: 65.0%
Test Distance: 9.840m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:229.52V I:0.2676A P:59.183W PF:0.9635 Freq:49.99Hz Lamp Flux:7411.0lx1 lm		
NAME: F1141_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

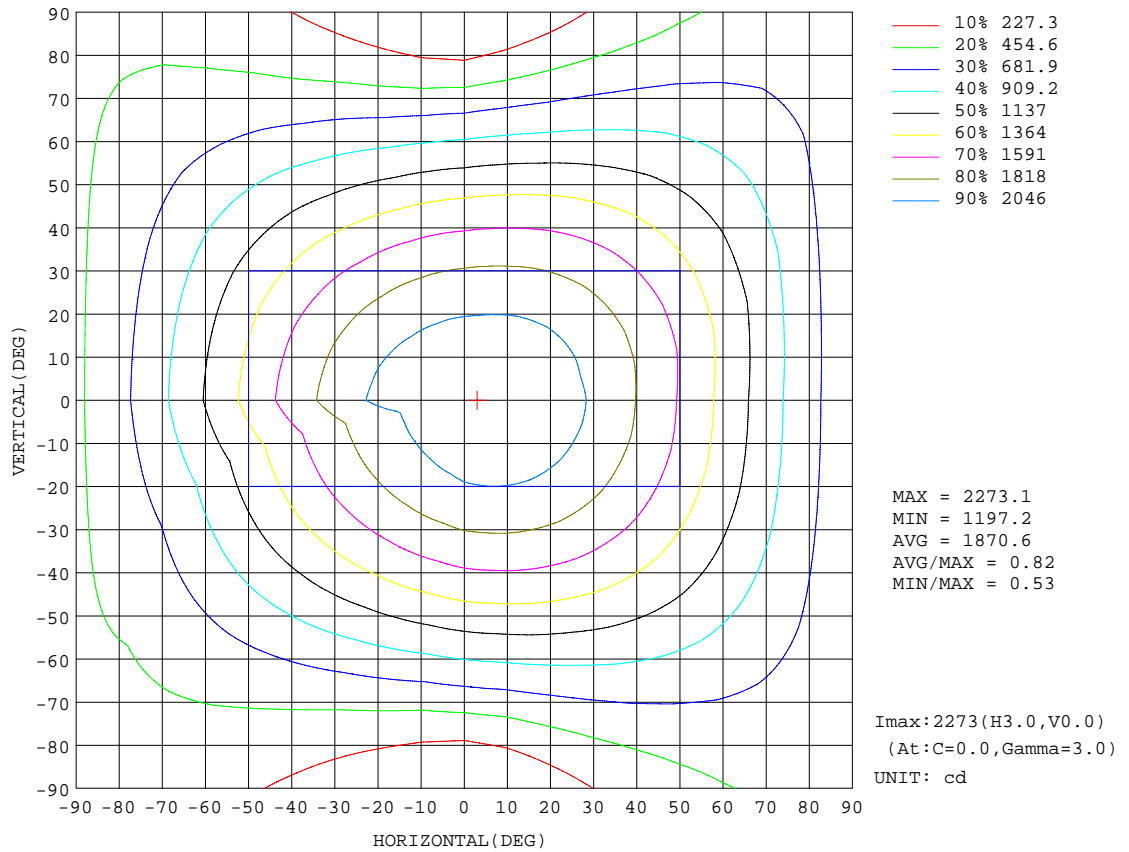
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	2253	2209	2160	2113	2215	2171	2164	2187	0- 10	209.5	209.5	2.83,2.83
20	2166	2110	2028	1964	2091	2036	2035	2107	10- 20	599.9	809.4	10.9,10.9
30	2016	1941	1823	1753	1909	1836	1832	1956	20- 30	910.1	1719	23.2,23.2
40	1812	1713	1560	1499	1685	1585	1570	1743	30- 40	1103	2823	38.1,38.1
50	1571	1444	1256	1215	1429	1302	1264	1485	40- 50	1162	3985	53.8,53.8
60	1303	1152	913.2	917.9	1151	1001	924.9	1199	50- 60	1089	5074	68.5,68.5
70	1020	852.4	545.7	627.4	871.0	701.7	550.4	901.8	60- 70	903.2	5977	80.7,80.7
80	748.1	568.9	192.0	385.0	620.0	441.0	188.7	614.4	70- 80	647.4	6624	89.4,89.4
90	519.8	346.6	14.70	221.0	419.9	256.9	12.79	378.5	80- 90	400.2	7025	94.8,94.8
100	346.4	206.2	16.73	129.7	276.7	150.1	13.94	223.3	90-100	237.6	7262	98,98
110	229.3	125.5	15.71	75.13	180.0	87.12	11.72	132.9	100-110	143.2	7406	99.9,99.9
120	0	0	0	0	0	0	0	0	110-120	5.443	7411	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7411	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7411	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7411	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7411	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7411	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7411	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

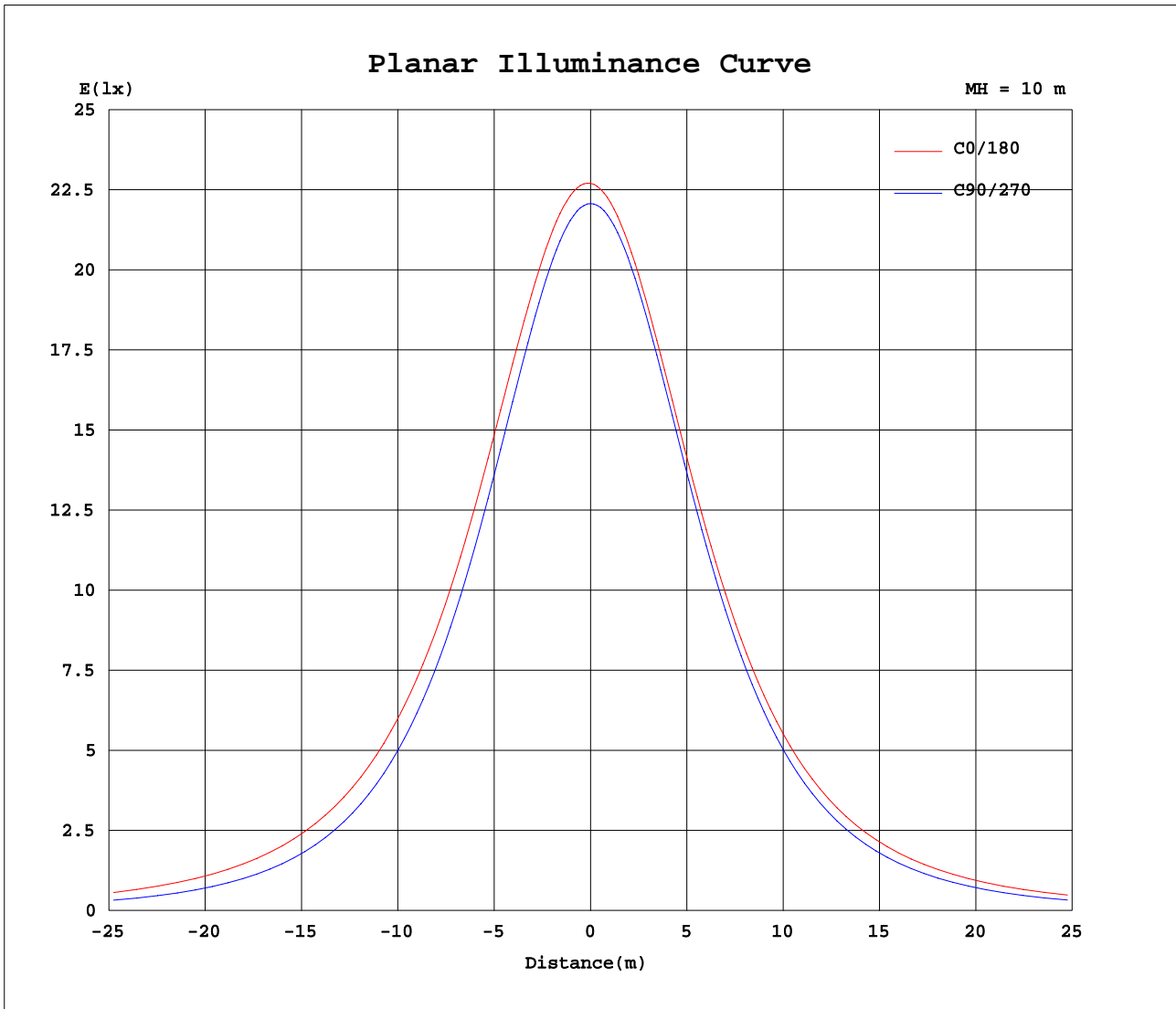
Test:U:229.52V I:0.2676A P:59.183W PF:0.9635 Freq:49.99Hz Lamp Flux:7411.0lx1 lm		
NAME: F1141_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity: 65.0%
 Test Distance: 9.840m [K=1.0000]
 Remarks:

Planar Illuminance Curve



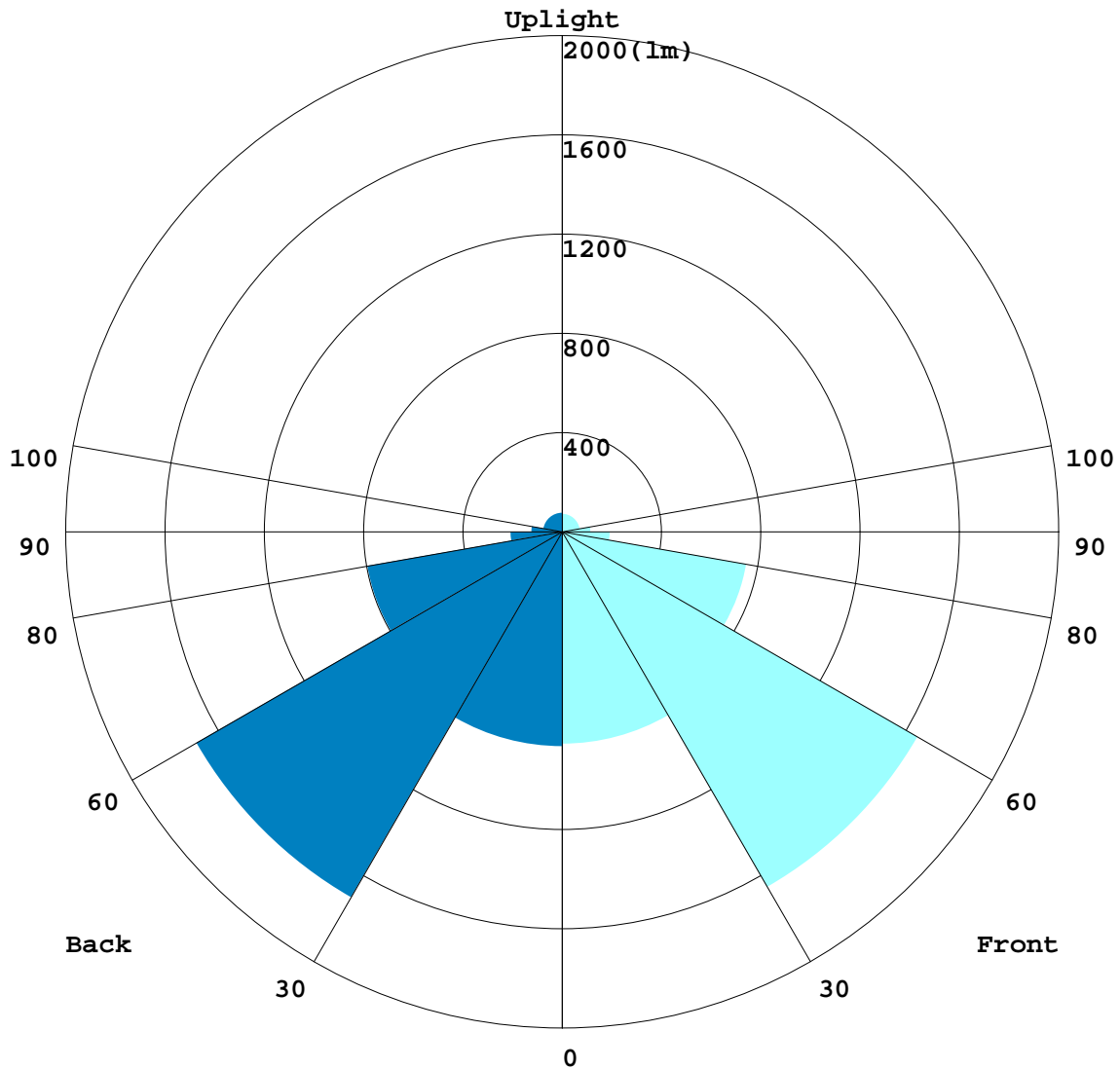
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 1
 Test Date: 2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity: 65.0%
 Test Distance: 9.840m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:229.52V I:0.2676A P:59.183W PF:0.9635 Freq:49.99Hz Lamp Flux:7411.01x1 lm		
NAME: F1141_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:229.52V I:0.2676A P:59.183W PF:0.9635 Freq:49.99Hz Lamp Flux:7411.01x1 lm		
NAME: F1141_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	854.67	11.5
FM - Front-Medium(30-60)	1653.1	22.3
FH - Front-High(60-80)	753.83	10.2
FVH - Front-Very High(80-90)	192.34	2.6
Total Forward Light	3640.1	49.1

BL - Back-Low(0-30)	864.75	11.7
BM - Back-Medium(30-60)	1701.4	23.0
BH - Back-High(60-80)	796.72	10.8
BVH - Back-Very High(80-90)	207.91	2.8
Total Back Light	3770.9	50.9

UL - Uplight-Low(90-100)	237.64	3.2
UH - Uplight-High(100-180)	148.63	2.0
Total Up Light	386.28	5.2

BUG(Back,Up,Glare) Rating	B2-U3-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3570.8	200.09	3770.9
Street Side	3453.9	186.19	3640.1

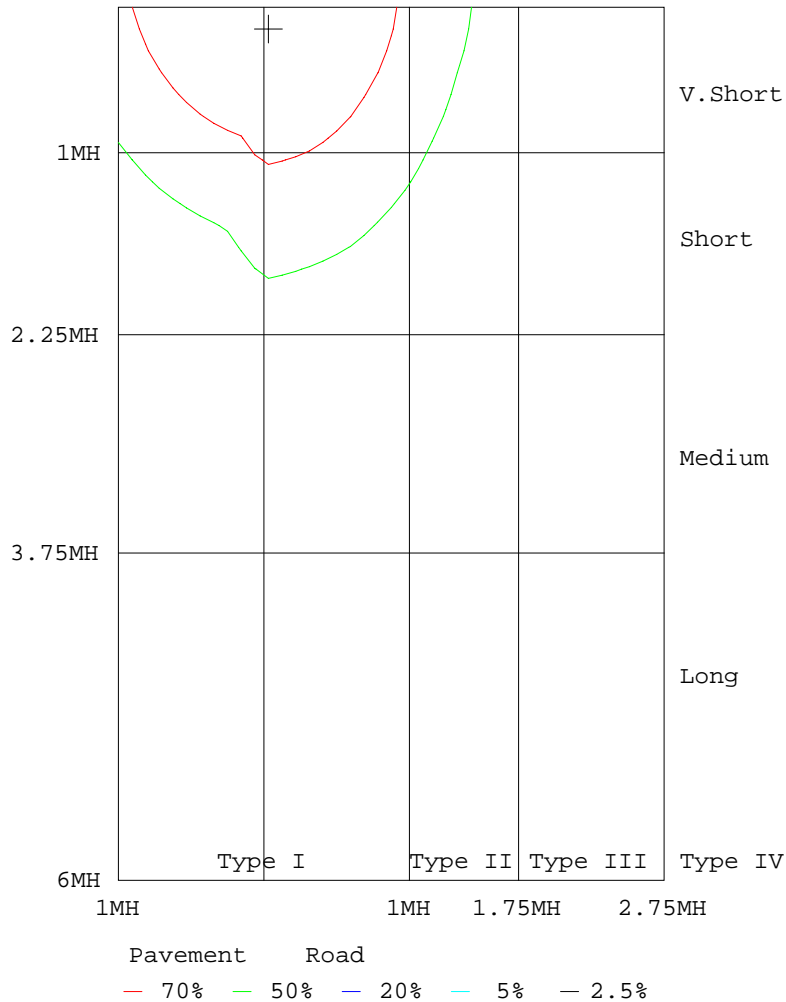
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:1
Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
Humidity:65.0%
Test Distance:9.840m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:229.52V I:0.2676A P:59.183W PF:0.9635 Freq:49.99Hz Lamp Flux:7411.01x1 lm		
NAME: F1141_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.52V I:0.2676A P:59.183W PF:0.9635 Freq:49.99Hz Lamp Flux:7411.01x1 lm		
NAME: F1141_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	2270	2258	2249	2240	2232	2227	2221	2216	2212	2207	2197	2194	2191	2189	2189	2189	2188	2189	2270
5	2271	2260	2251	2242	2233	2225	2218	2210	2203	2194	2181	2173	2167	2163	2159	2158	2157	2159	2252
10	2253	2244	2234	2224	2214	2204	2193	2182	2171	2160	2142	2132	2122	2115	2110	2109	2108	2111	2215
15	2218	2210	2198	2189	2175	2163	2147	2133	2118	2104	2082	2069	2057	2050	2044	2043	2043	2048	2161
20	2166	2158	2145	2134	2117	2102	2082	2065	2045	2028	2003	1988	1973	1966	1961	1962	1963	1970	2091
25	2099	2091	2076	2062	2043	2024	1999	1977	1954	1934	1906	1889	1874	1868	1863	1865	1869	1878	2006
30	2016	2009	1992	1976	1952	1929	1899	1874	1845	1823	1793	1775	1760	1754	1752	1758	1764	1777	1909
35	1918	1912	1893	1875	1847	1820	1785	1755	1722	1698	1666	1649	1633	1630	1631	1641	1650	1666	1802
40	1812	1805	1784	1761	1729	1697	1659	1623	1587	1560	1527	1510	1495	1496	1502	1515	1528	1546	1685
45	1696	1689	1666	1639	1601	1564	1521	1481	1442	1413	1379	1362	1350	1355	1365	1382	1400	1420	1561
50	1571	1565	1539	1509	1466	1422	1374	1330	1287	1256	1221	1206	1198	1208	1222	1245	1265	1288	1429
55	1440	1434	1407	1373	1326	1275	1220	1171	1123	1089	1055	1044	1043	1058	1077	1105	1128	1153	1292
60	1303	1297	1268	1232	1180	1125	1062	1005	949	913	882	879	884	906	930	962	988	1015	1151
65	1162	1156	1127	1088	1033	972	903	834	769	732	704	713	726	755	785	821	850	879	1010
70	1020	1014	984	943	885	820	743	663	585	546	527	549	573	609	646	686	719	749	871
75	880	875	844	801	741	671	589	499	408	362	360	396	430	475	520	563	599	629	740
80	748	743	712	667	605	532	446	349	249	192	212	259	307	361	409	456	492	522	620
85	628	622	592	547	485	411	324	226	125	60.4	98.5	156	212	267	318	364	400	428	513
90	520	514	486	442	383	310	229	140	56.1	14.7	41.7	93.2	145	197	245	287	322	348	420
95	426	420	394	354	299	234	162	91.0	32.7	15.5	25.0	60.1	102	147	190	228	259	282	341
100	346	342	318	282	234	178	119	63.9	25.2	16.7	19.5	41.2	73.4	111	148	182	209	229	277
105	282	277	257	226	186	138	87.1	47.2	21.8	15.9	18.9	30.1	53.4	83.3	115	144	168	185	224
110	229	225	208	182	147	104	64.2	35.1	19.7	15.7	18.5	24.3	39.8	62.4	87.8	112	133	147	180
115	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
120	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
125	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
130	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
135	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
140	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
145	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
150	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
155	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
160	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
165	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
170	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
175	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
180	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

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.52V I:0.2676A P:59.183W PF:0.9635 Freq:49.99Hz Lamp Flux:7411.01x1 lm		
NAME: F1141_LED PRO TRI-PROOF LIGHT	TYPE:	WEIGHT:180G
SPEC.:	DIM.:	SERIAL No.:1
MFR.: FILUX	SUR.:	Shielding Angle:270`

Table--2

UNIT: cd

C(DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	2258	2249	2240	2232	2227	2221	2216	2212	2207	2197	2194	2191	2189	2189	2189	2188	2189		
5	2238	2228	2221	2213	2207	2204	2200	2199	2197	2192	2192	2194	2197	2199	2201	2202	2202		
10	2200	2191	2182	2174	2168	2165	2163	2163	2164	2164	2169	2177	2183	2190	2195	2198	2197		
15	2145	2136	2125	2116	2108	2106	2104	2107	2110	2115	2125	2139	2150	2162	2170	2176	2174		
20	2075	2065	2051	2041	2031	2028	2026	2030	2035	2045	2061	2081	2099	2116	2128	2136	2135		
25	1989	1979	1962	1950	1937	1932	1929	1935	1942	1957	1978	2004	2028	2052	2068	2080	2079		
30	1891	1878	1859	1844	1828	1821	1817	1824	1832	1851	1877	1911	1941	1970	1991	2007	2008		
35	1782	1768	1744	1725	1705	1697	1691	1697	1707	1731	1762	1802	1838	1874	1900	1919	1922		
40	1666	1649	1622	1598	1572	1560	1552	1559	1570	1598	1634	1680	1722	1764	1795	1818	1823		
45	1540	1521	1490	1462	1431	1415	1404	1410	1421	1453	1495	1546	1595	1642	1679	1708	1715		
50	1408	1387	1352	1321	1284	1262	1247	1252	1264	1299	1345	1403	1457	1512	1555	1589	1599		
55	1270	1249	1210	1174	1132	1105	1084	1086	1098	1137	1188	1252	1312	1376	1425	1463	1474		
60	1130	1106	1065	1025	977	945	916	912	925	969	1025	1094	1164	1233	1288	1330	1344		
65	989	964	919	876	823	784	745	731	741	793	857	936	1013	1089	1147	1193	1209		
70	850	824	778	730	673	627	576	546	550	612	688	777	861	942	1005	1053	1070		
75	720	693	646	594	532	478	419	369	362	434	524	622	713	797	863	914	932		
80	601	574	527	474	408	347	281	216	189	269	372	475	570	658	726	778	798		
85	496	469	424	372	306	242	174	105	55.9	139	241	346	442	531	600	652	673		
90	404	380	337	287	227	167	105	45.1	12.8	59.6	146	243	336	421	488	539	560		
95	328	305	267	222	169	117	66.9	25.2	13.4	33.5	91.5	170	252	330	392	439	459		
100	265	245	212	173	127	83.8	44.6	17.7	13.9	24.8	62.7	121	190	256	312	354	373		
105	215	197	168	134	95.6	60.0	31.1	15.3	12.5	19.1	44.4	89.3	143	201	248	285	302		
110	172	157	132	103	71.2	43.4	22.6	14.1	11.7	15.9	32.2	65.7	110	156	199	230	245		
115	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		
120	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		
125	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		
130	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		
135	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		
140	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		
145	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		
150	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		
155	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		
160	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		
165	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		
170	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		
175	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		
180	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		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:1
 Test Date:2019-08-23

γ Range: 0 - 110DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.390
 Humidity:65.0%
 Test Distance:9.840m [K=1.0000]
 Remarks: