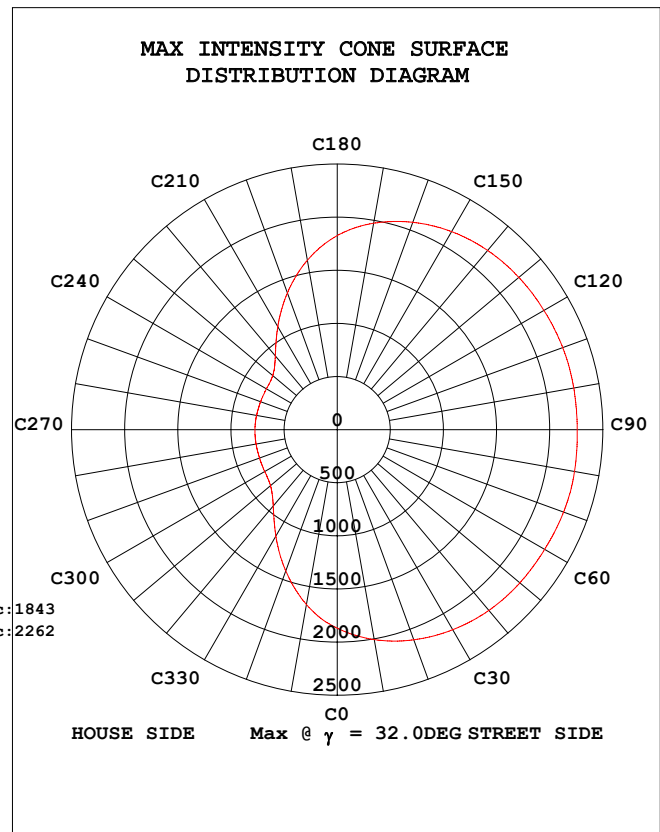
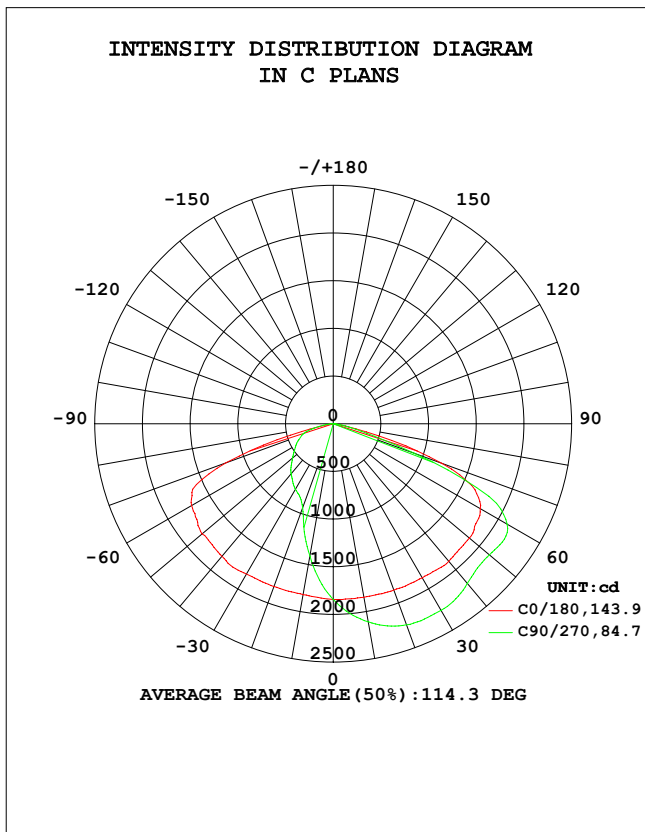


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.2339A P:49.42W PF:0.9629 Freq:60.01Hz Lamp Flux:6719.27x1 lm		
NAME: AOK IPS	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-50WiPS-NVO-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.97 lm/W			
MODEL	3030	I _{max} (cd)	2270	η street_up (%)	0.0
NOMINAL POWER (W)	50	LOR (%)	100.0	η street_down (%)	71.2
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	6719	η house_up (%)	0.0
NOMINAL FLUX (lm)	6719.27	MAXIMUM @ (C, γ)	75,32.0	η house_down (%)	28.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	17.649

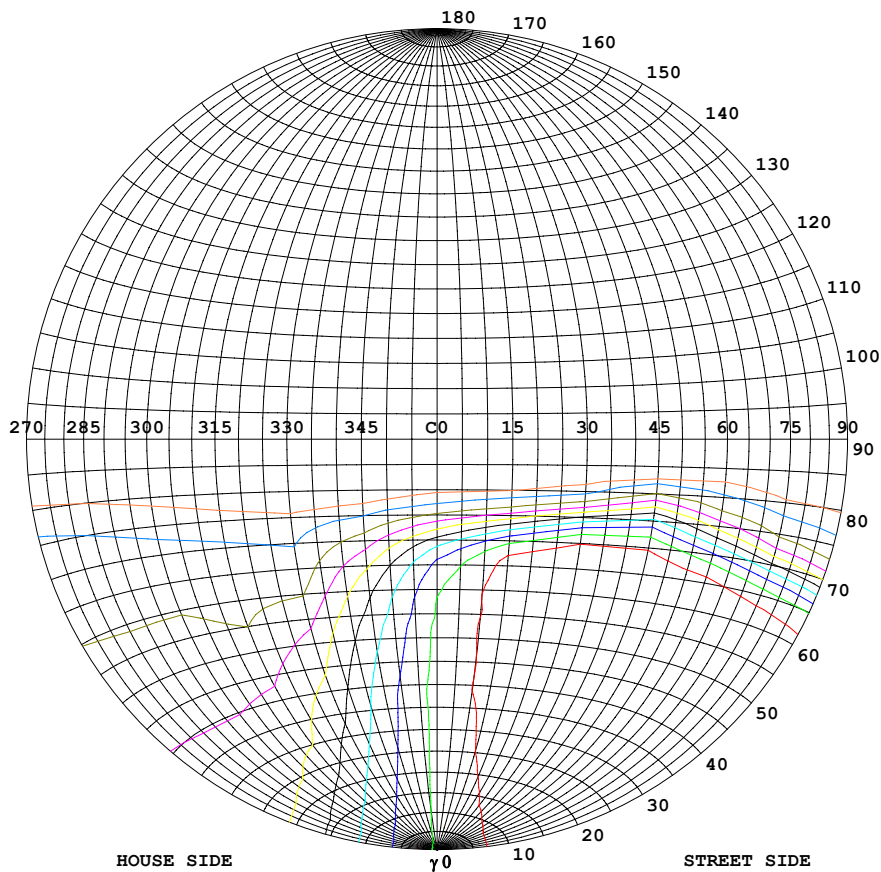


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-02-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.4V I:0.2339A P:49.42W PF:0.9629 Freq:60.01Hz Lamp Flux:6719.27x1 lm		
NAME: AOK IPS	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-50WiPS-NVO-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:



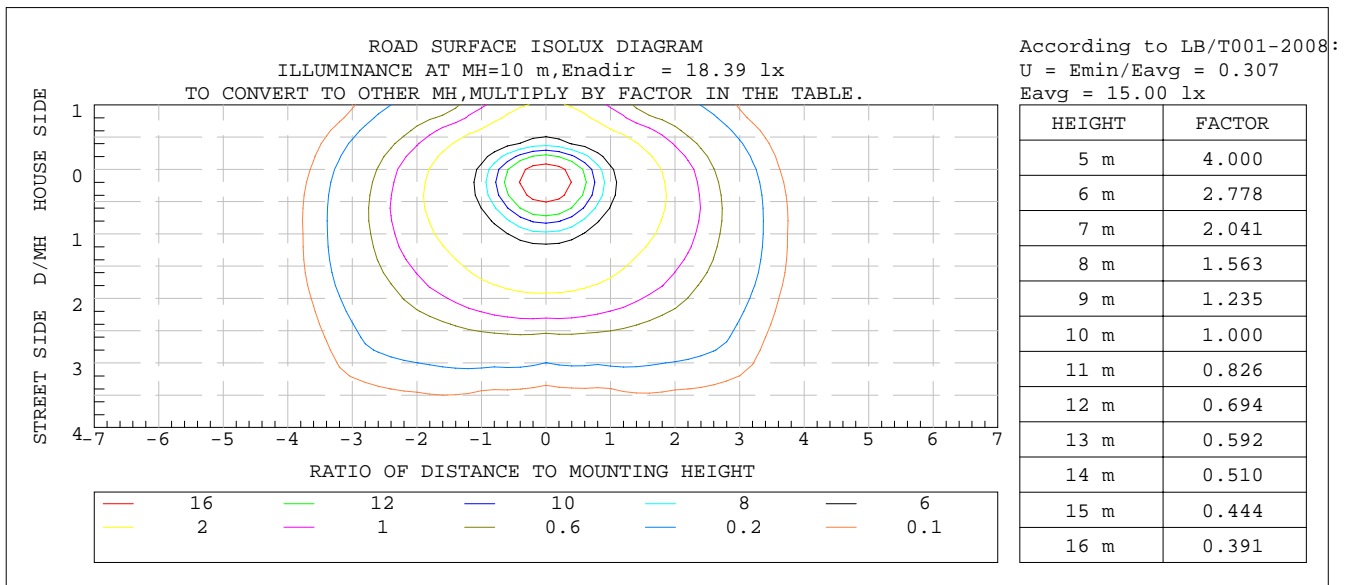
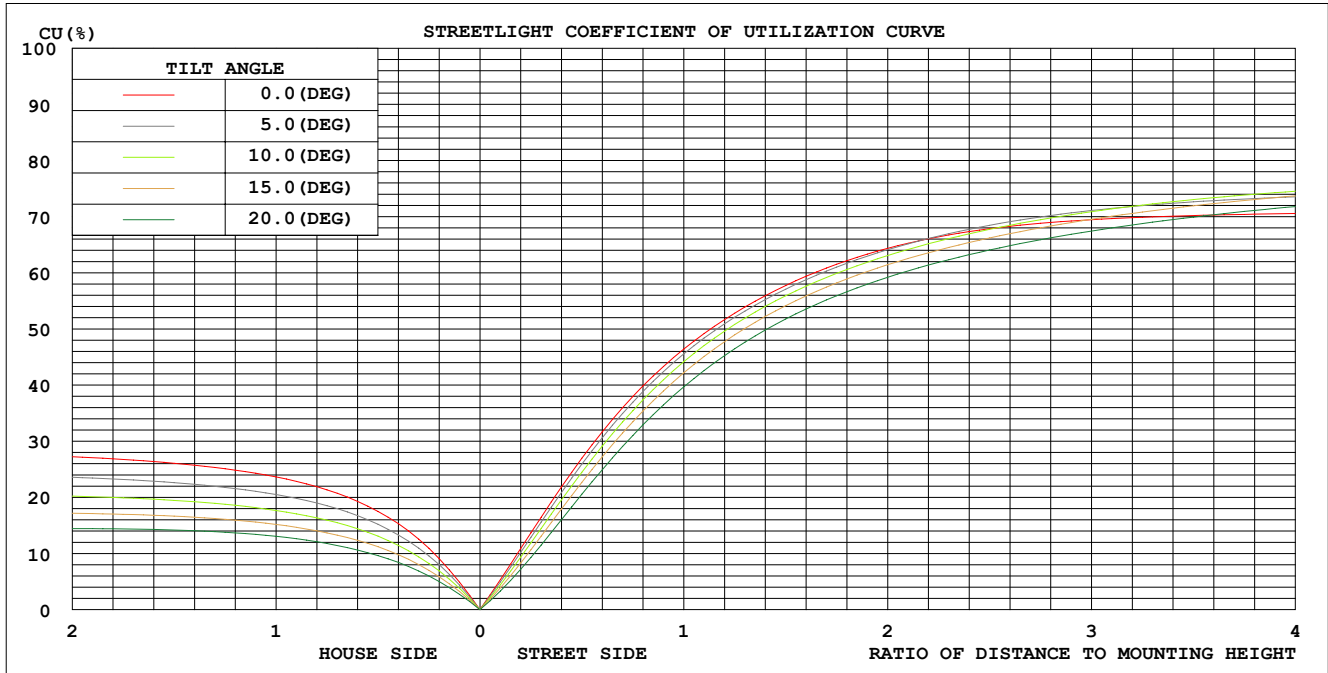
Classification:

IES:Type IV - Very Short
CIE:Broad - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:68.45cd/klm
Max.At90:0cd/klm
Max.80-90:68.45cd/klm
NRB 5101:Limited[9.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2270
90%	2043
80%	1816
70%	1589
60%	1362
50%	1135
40%	908
30%	681
20%	454
10%	227
5%	114

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-02-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-02-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.4V I:0.2339A P:49.42W PF:0.9629 Freq:60.01Hz Lamp Flux:6719.27x1 lm		
NAME: AOK IPS	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-50WiPS-NVO-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

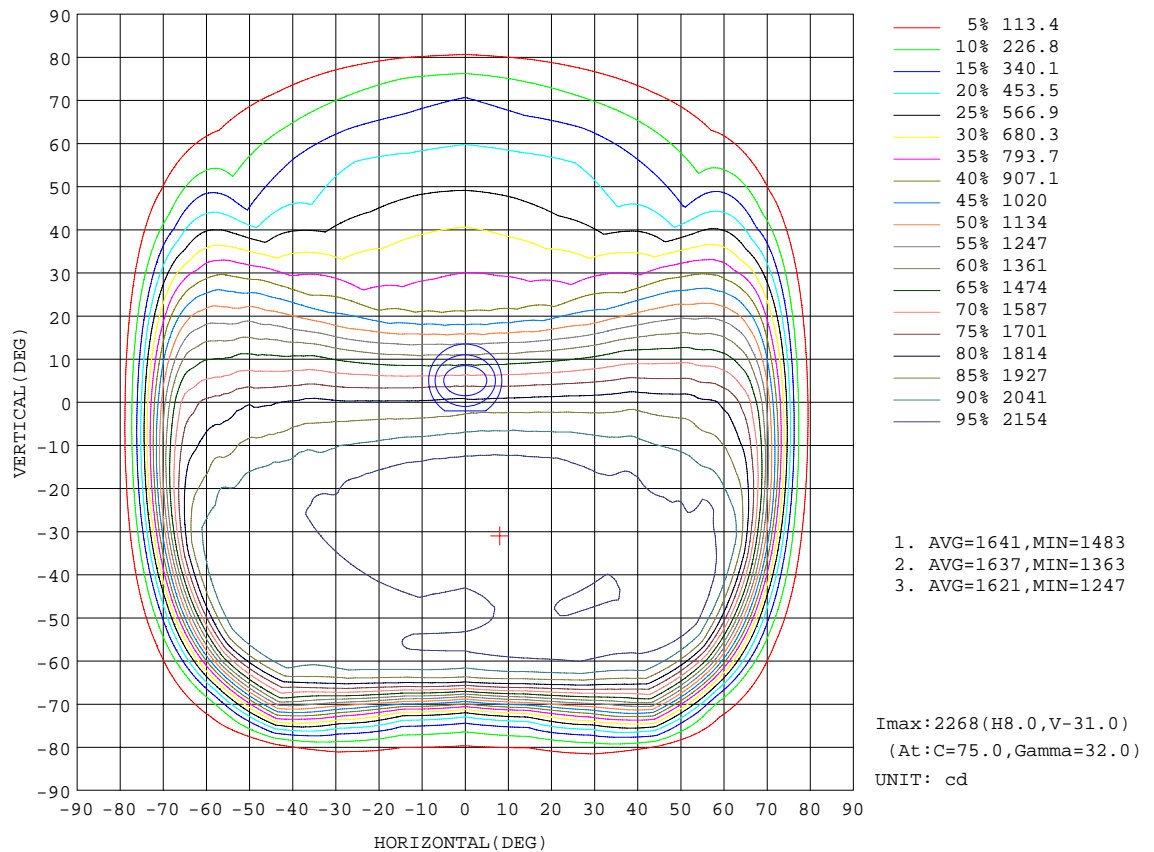
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1847	2052	2109	2038	1821	1538	1410	1553	0- 10	173.4	173.4	2.58,2.58
20	1857	2183	2244	2168	1817	1194	939.6	1226	10- 20	494.9	668.4	9.95,9.95
30	1866	2233	2260	2217	1820	875.7	794.1	908.8	20- 30	767.6	1436	21.4,21.4
40	1884	2234	2187	2215	1815	717.9	686.7	734.2	30- 40	1002	2437	36.3,36.3
50	1864	2151	2138	2110	1798	552.9	557.2	543.4	40- 50	1169	3606	53.7,53.7
60	1780	2157	2105	2112	1715	404.3	451.8	403.0	50- 60	1278	4884	72.7,72.7
70	1212	2015	899.7	1995	1195	240.4	348.3	248.8	60- 70	1237	6121	91.1,91.1
80	93.20	460.0	105.0	416.9	73.71	61.43	129.0	63.37	70- 80	557.3	6678	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	40.93	6719	100,100
100	0	0	0	0	0	0	0	0	90-100	0	6719	100,100
110	0	0	0	0	0	0	0	0	100-110	0	6719	100,100
120	0	0	0	0	0	0	0	0	110-120	0	6719	100,100
130	0	0	0	0	0	0	0	0	120-130	0	6719	100,100
140	0	0	0	0	0	0	0	0	130-140	0	6719	100,100
150	0	0	0	0	0	0	0	0	140-150	0	6719	100,100
160	0	0	0	0	0	0	0	0	150-160	0	6719	100,100
170	0	0	0	0	0	0	0	0	160-170	0	6719	100,100
180	0	0	0	0	0	0	0	0	170-180	0	6719	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-02-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

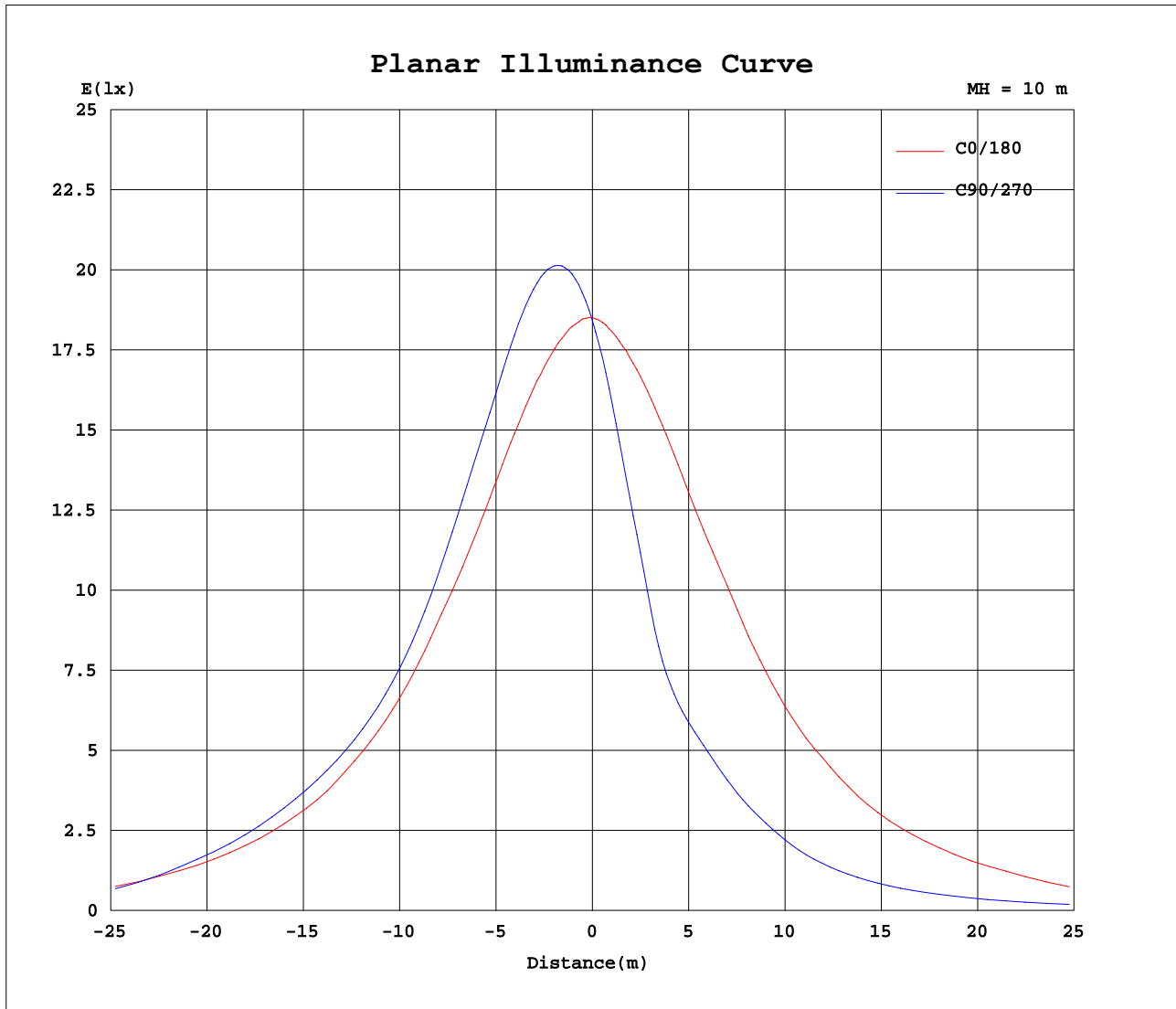
Test:U:219.4V I:0.2339A P:49.42W PF:0.9629 Freq:60.01Hz Lamp Flux:6719.27x1 lm		
NAME: AOK IPS	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-50WiPS-NVO-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-02-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



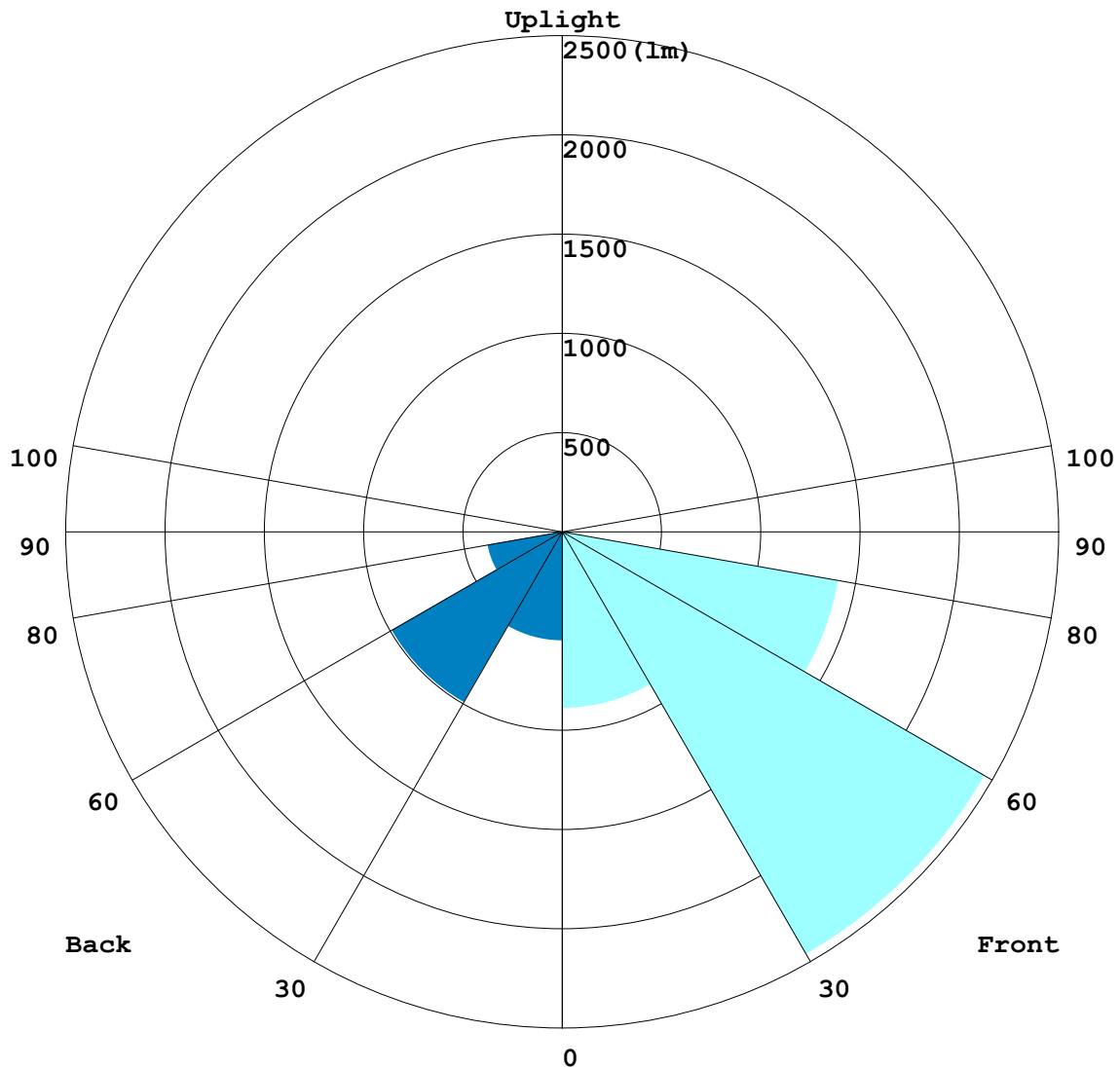
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-02-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.4V I:0.2339A P:49.42W PF:0.9629 Freq:60.01Hz Lamp Flux:6719.27x1 lm		
NAME: AOK IPS	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-50WiPS-NVO-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-02-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.4V I:0.2339A P:49.42W PF:0.9629 Freq:60.01Hz Lamp Flux:6719.27x1 lm		
NAME: AOK IPS	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-50WiPS-NVO-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	887.71	13.2
FM - Front-Medium(30-60)	2456.9	36.6
FH - Front-High(60-80)	1412.3	21.0
FVH - Front-Very High(80-90)	26.598	0.4
Total Forward Light	4783.5	71.2

BL - Back-Low(0-30)	548.25	8.2
BM - Back-Medium(30-60)	991.46	14.8
BH - Back-High(60-80)	381.73	5.7
BVH - Back-Very High(80-90)	14.337	0.2
Total Back Light	1935.8	28.8

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1935.8	0	1935.8
Street Side	4783.5	0	4783.5

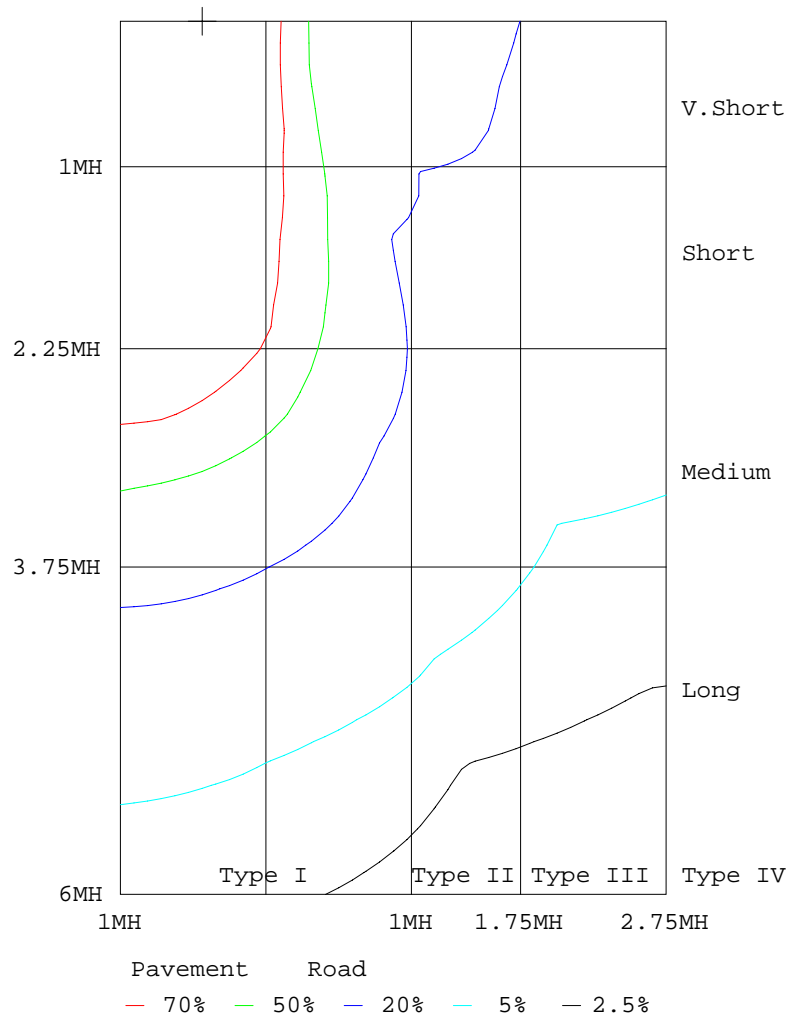
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-02-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.4V I:0.2339A P:49.42W PF:0.9629 Freq:60.01Hz Lamp Flux:6719.27x1 lm		
NAME: AOK IPS	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-50WiPS-NVO-L3-00-3070-T501-P	DIM.: $\Phi 460 \times 80$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 409 \times 297$ mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-02-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.2339A P:49.42W PF:0.9629 Freq:60.01Hz Lamp Flux:6719.27x1 lm		
NAME: AOK IPS	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-50WiPS-NVO-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1843	1843	1843	1843	1843	1843	1843	1843	1843	1843	1843	1843	1843	1843	1843	1843	1843	1843	1843
5	1844	1884	1924	1956	1978	1992	1994	1987	1972	1943	1910	1873	1828	1781	1739	1700	1671	1648	1649
10	1847	1924	1997	2052	2082	2109	2109	2101	2076	2038	1975	1907	1821	1724	1629	1538	1465	1419	1410
15	1850	1963	2057	2127	2164	2192	2195	2188	2157	2112	2035	1941	1817	1668	1509	1361	1259	1190	1175
20	1857	2002	2111	2183	2224	2245	2244	2241	2214	2168	2087	1976	1817	1613	1388	1194	1043	953	940
25	1862	2031	2148	2218	2249	2264	2260	2260	2242	2205	2123	2004	1817	1562	1275	1020	873	839	837
30	1866	2053	2169	2233	2255	2265	2260	2259	2245	2217	2145	2030	1820	1515	1164	876	794	788	794
35	1876	2075	2177	2234	2253	2260	2241	2248	2244	2225	2150	2035	1837	1477	1060	787	736	737	742
40	1884	2112	2211	2234	2225	2222	2187	2210	2215	2215	2171	2064	1815	1416	956	718	676	681	687
45	1867	2113	2196	2204	2179	2183	2139	2167	2161	2157	2148	2062	1794	1349	859	645	613	622	625
50	1864	2128	2178	2151	2147	2169	2138	2148	2130	2110	2135	2082	1798	1274	750	553	545	556	557
55	1826	2132	2182	2152	2158	2180	2164	2161	2129	2120	2137	2074	1747	1178	614	459	505	499	499
60	1780	2151	2181	2157	2188	2160	2105	2142	2152	2112	2129	2095	1715	1071	437	404	445	437	452
65	1642	2111	2208	2171	2098	1922	1801	1896	2063	2095	2151	2052	1626	872	294	338	365	373	400
70	1212	1735	2022	2015	1623	1185	900	1143	1603	1995	1978	1700	1195	557	207	240	276	313	348
75	491	772	1162	1418	816	410	304	388	791	1403	1113	744	463	207	126	149	191	238	260
80	93.2	107	176	460	254	129	105	125	238	417	174	106	73.7	47.5	46.9	61.4	92.3	117	129
85	19.8	20.9	18.5	21.9	36.2	24.3	20.8	24.4	33.7	21.7	18.5	21.4	20.0	17.2	14.8	13.5	21.7	26.2	28.4
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
95	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
100	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
105	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
110	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
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: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-02-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.2339A P:49.42W PF:0.9629 Freq:60.01Hz Lamp Flux:6719.27x1 lm		
NAME: AOK IPS	TYPE:LED STREET LIGHT	WEIGHT:7.5kg
SPEC.:AOK-50WiPS-NVO-L3-00-3070-T501-P	DIM.: Φ 460*80mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 409-297mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1843	1843	1843	1843	1843														
5	1652	1677	1710	1751	1799														
10	1424	1478	1553	1649	1752														
15	1198	1280	1390	1539	1707														
20	965	1061	1226	1428	1657														
25	849	897	1050	1318	1607														
30	798	813	909	1204	1563														
35	740	751	814	1091	1521														
40	676	676	734	982	1476														
45	614	603	645	875	1405														
50	551	535	543	763	1325														
55	499	493	455	621	1220														
60	439	445	403	442	1100														
65	371	370	339	309	881														
70	303	278	249	214	569														
75	222	184	152	127	223														
80	111	86.9	63.4	46.5	50.8														
85	25.7	21.4	12.9	14.4	16.5														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-02-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: