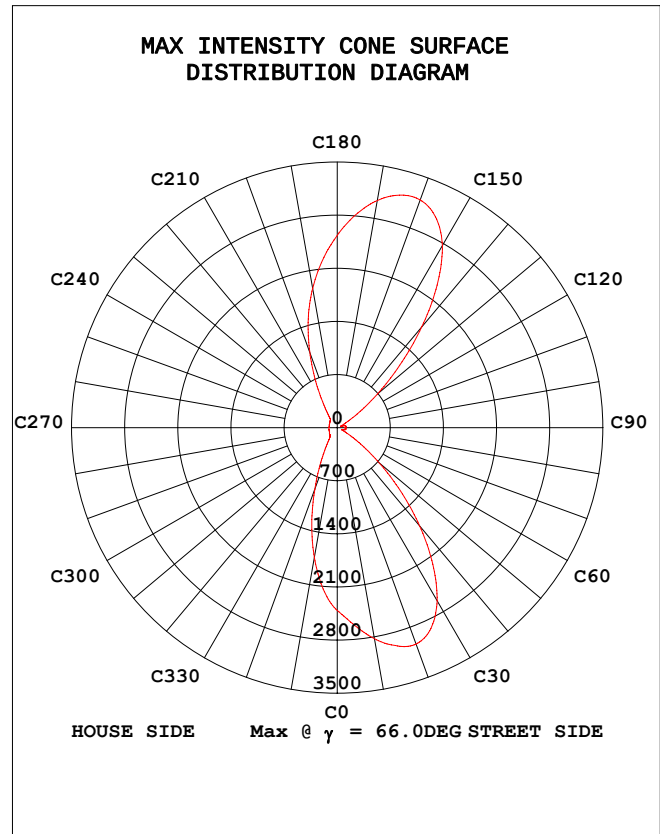
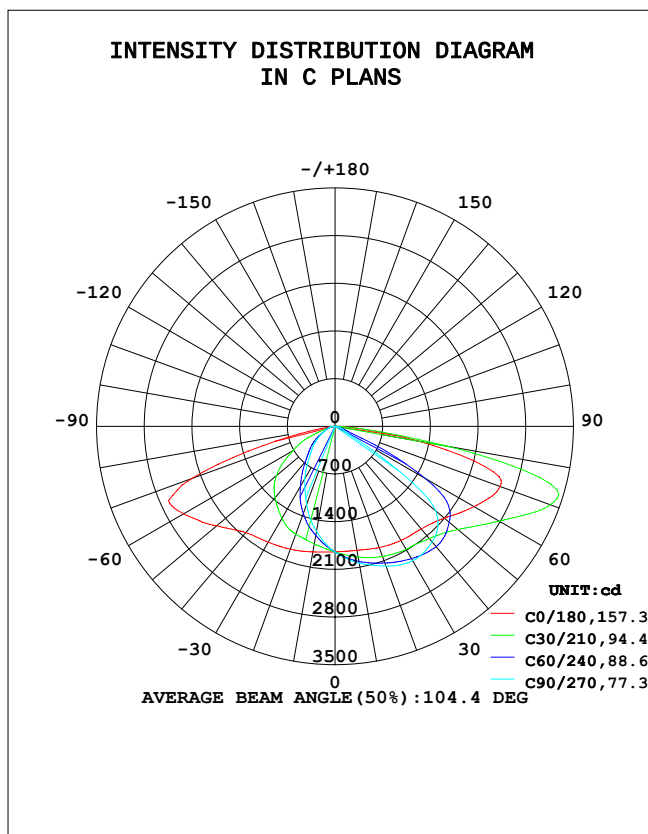


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.1839A P:39.47W PF:0.9783 Freq:60.01Hz Lamp Flux:5930.48x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-40WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.25 lm/W			
MODEL	3030	I _{max} (cd)	3172	η street_up (%)	0.0
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	68.5
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	5930	η house_up (%)	0.0
NOMINAL FLUX (lm)	5930.48	MAXIMUM @ (C, γ)	165,66.0	η house_down (%)	31.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	20.357

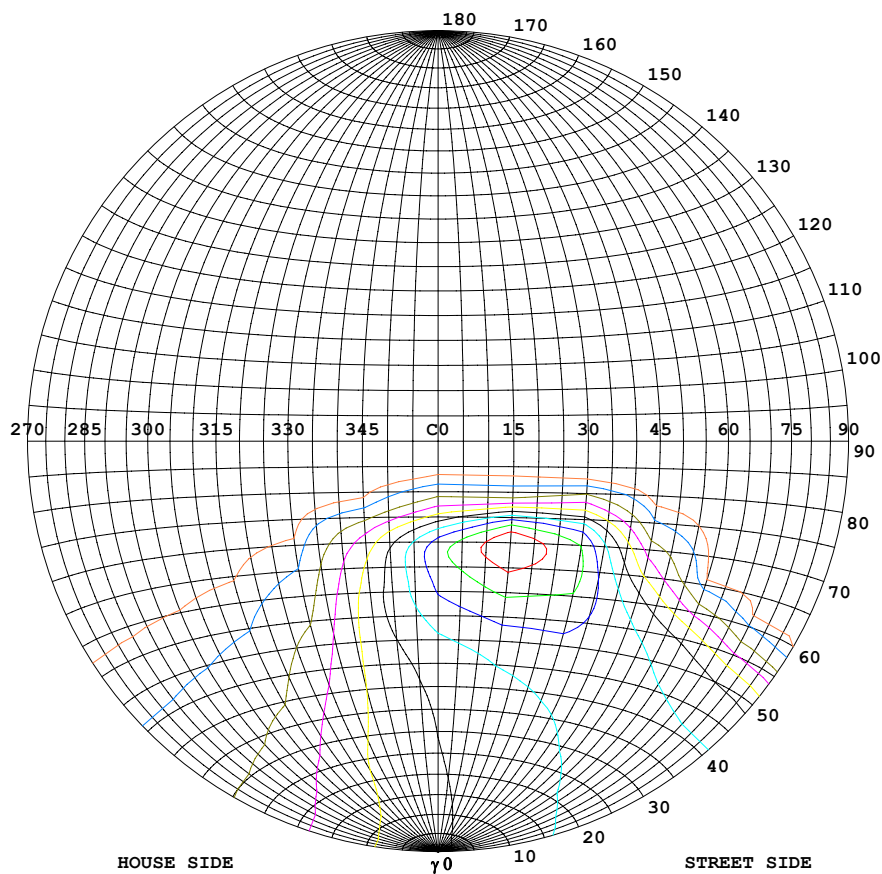


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity: 65.0%
 Test Distance: 7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.1839A P:39.47W PF:0.9783 Freq:60.01Hz Lamp Flux:5930.48x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-40WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



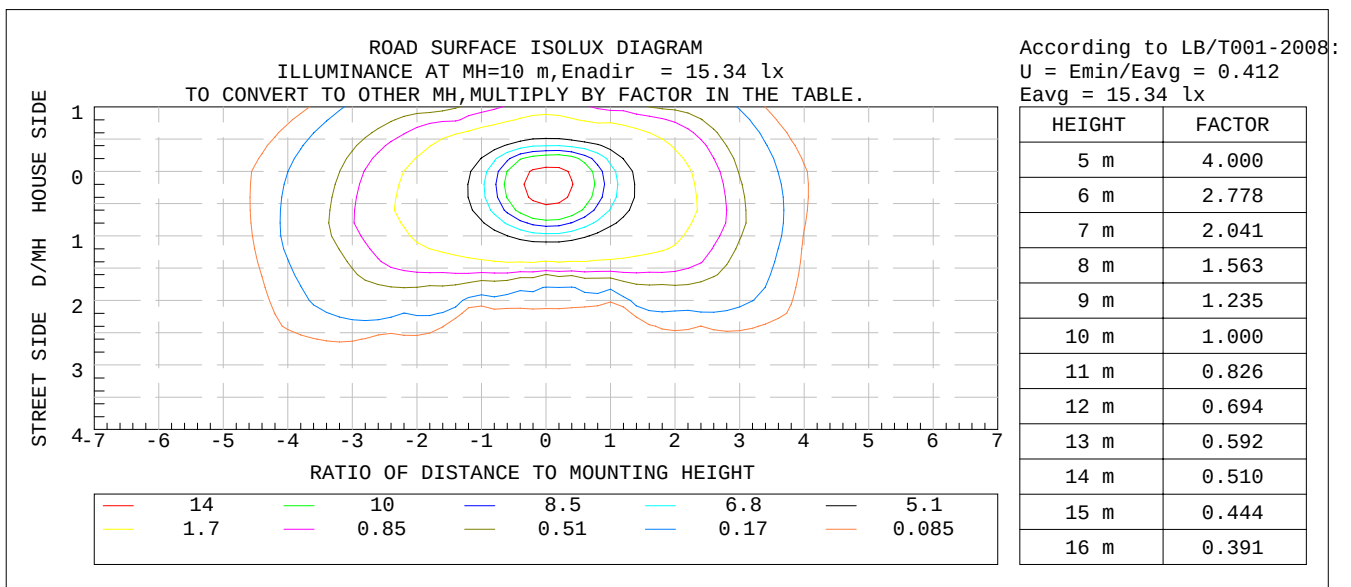
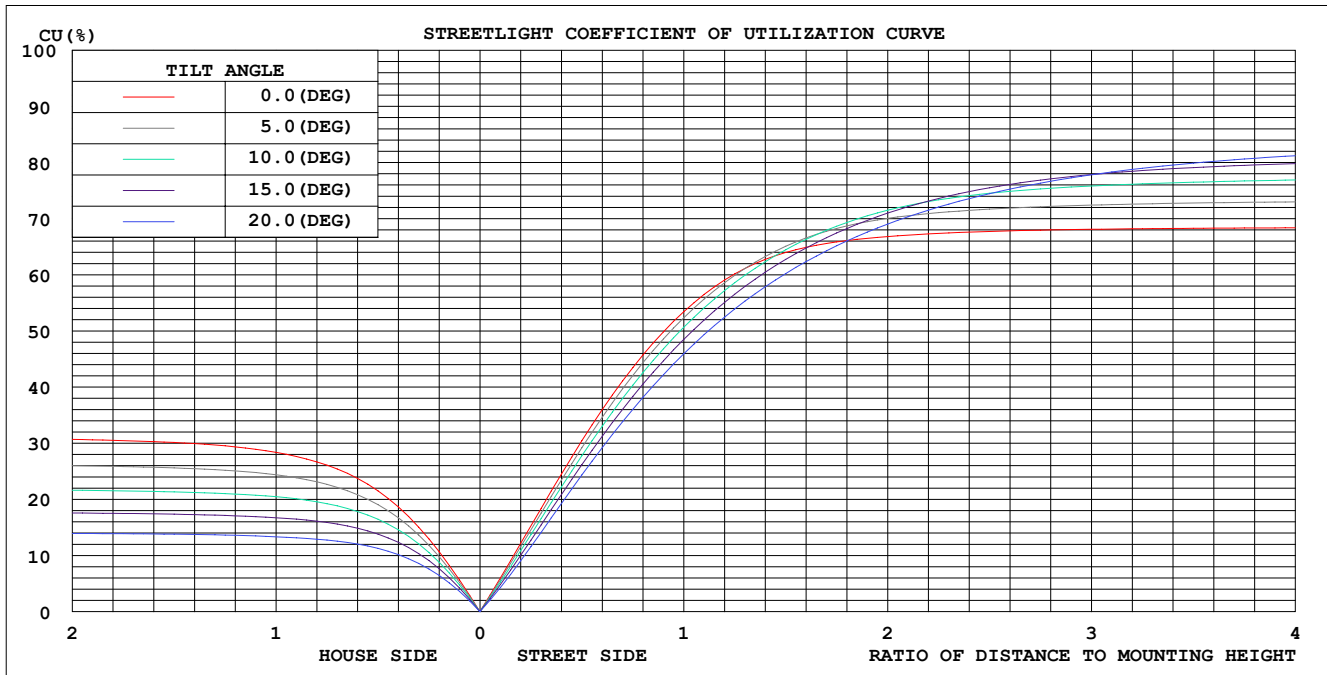
Classification:

IES:Type III - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:102.3cd/klm
Max.At90:0cd/klm
Max.80-90:102.3cd/klm
NRB 5101:Semi limited[28.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3172
90%	2855
80%	2537
70%	2220
60%	1903
50%	1586
40%	1269
30%	952
20%	634
10%	317
5%	159

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_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: 2022-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.1839A P:39.47W PF:0.9783 Freq:60.01Hz Lamp Flux:5930.48x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-40WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

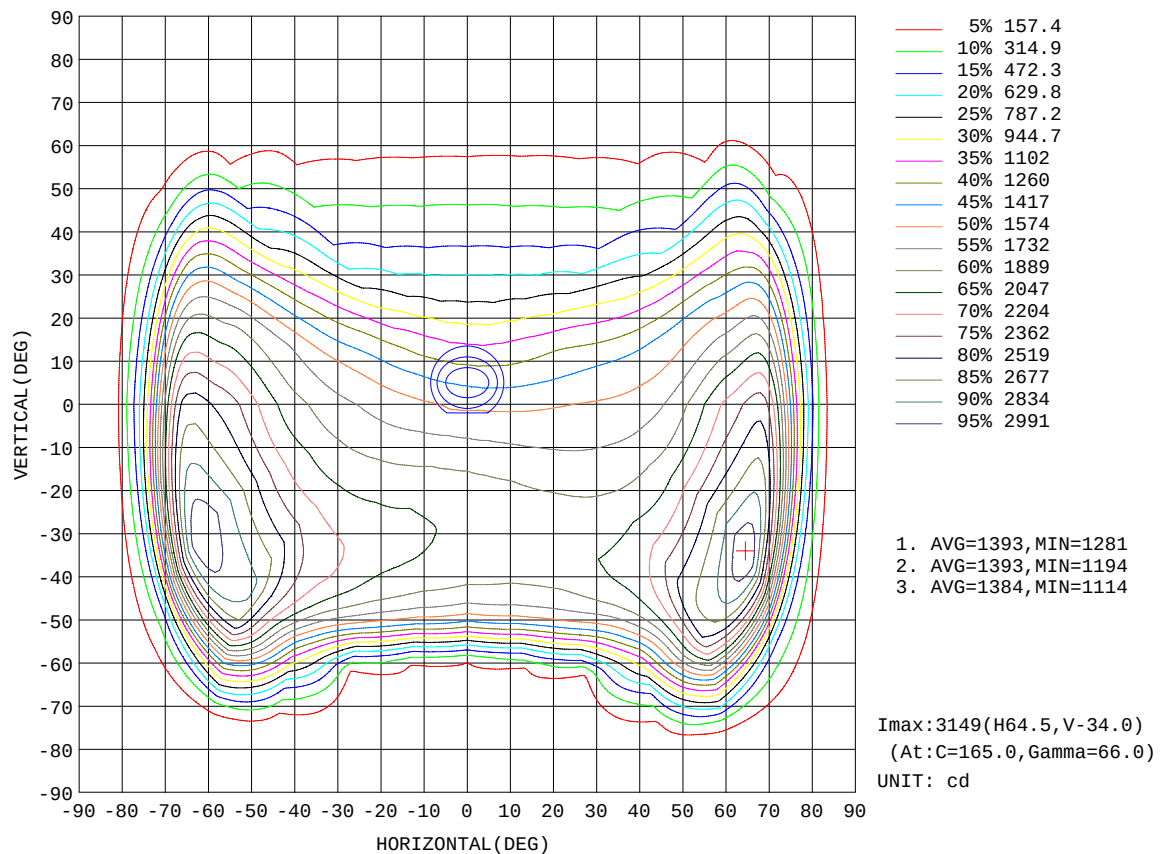
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	1525	1694	1779	1741	1584	1362	1228	1320	0- 10	146.4	146.4	2.47,2.47
20	1550	1811	1958	1903	1665	1198	890.9	1141	10- 20	431.3	577.7	9.74,9.74
30	1579	1911	2010	2047	1768	950.7	628.4	905.1	20- 30	693.3	1271	21.4,21.4
40	1643	2006	1927	2186	1930	648.6	411.1	619.9	30- 40	914.8	2186	36.9,36.9
50	1844	2040	1447	2226	2244	410.8	255.0	396.2	40- 50	1092	3278	55.3,55.3
60	2226	1727	155.0	1812	2520	223.5	138.4	223.6	50- 60	1134	4412	74.4,74.4
70	2313	815.0	81.84	720.5	1906	101.9	81.87	106.5	60- 70	993.8	5406	91.2,91.2
80	489.8	80.46	36.12	57.34	226.6	32.41	42.19	43.57	70- 80	482.5	5888	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	42.11	5930	100,100
100	0	0	0	0	0	0	0	0	90-100	0	5930	100,100
110	0	0	0	0	0	0	0	0	100-110	0	5930	100,100
120	0	0	0	0	0	0	0	0	110-120	0	5930	100,100
130	0	0	0	0	0	0	0	0	120-130	0	5930	100,100
140	0	0	0	0	0	0	0	0	130-140	0	5930	100,100
150	0	0	0	0	0	0	0	0	140-150	0	5930	100,100
160	0	0	0	0	0	0	0	0	150-160	0	5930	100,100
170	0	0	0	0	0	0	0	0	160-170	0	5930	100,100
180	0	0	0	0	0	0	0	0	170-180	0	5930	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:2022-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

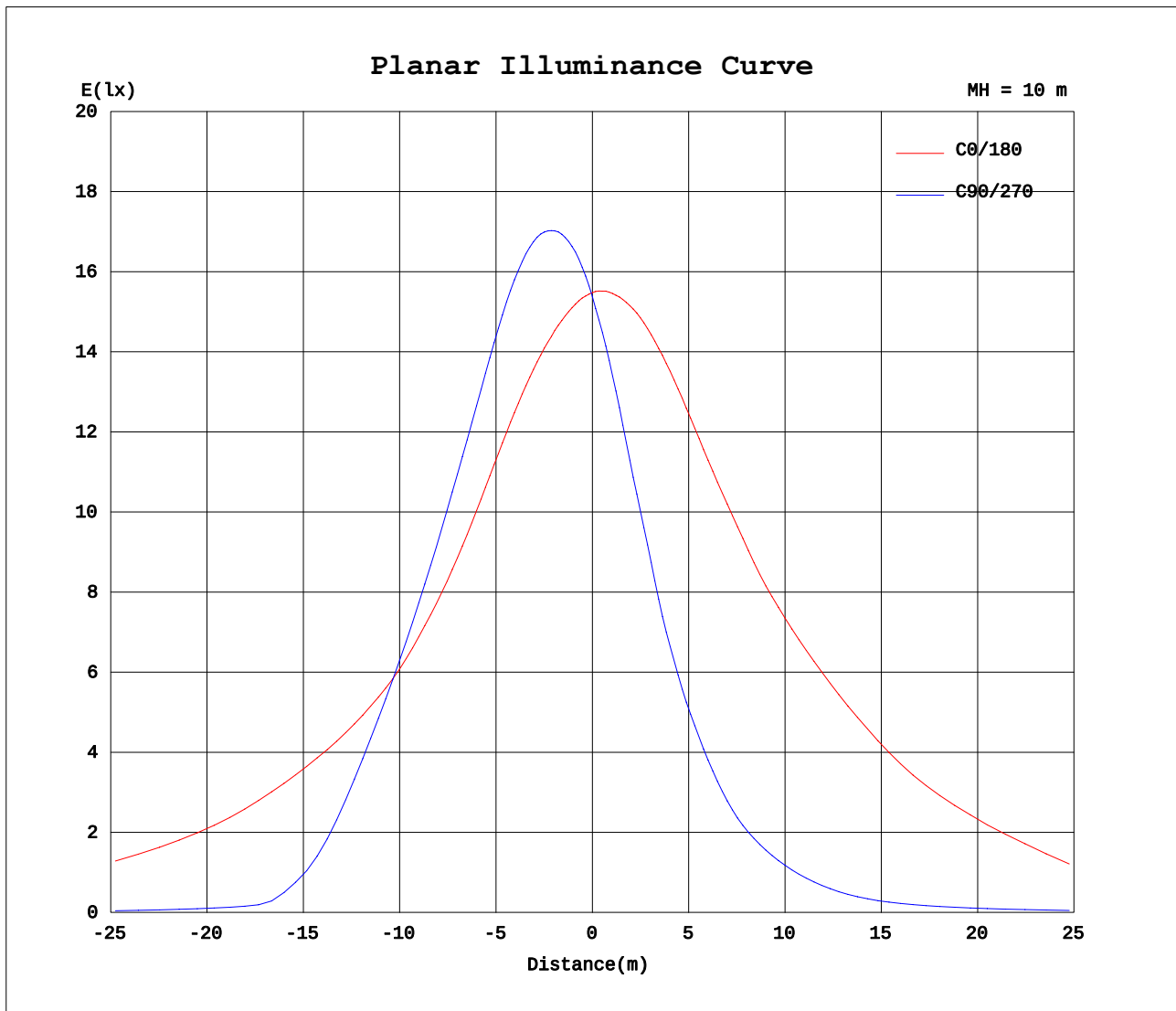
Test:U:219.3V I:0.1839A P:39.47W PF:0.9783 Freq:60.01Hz Lamp Flux:5930.48x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-40WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



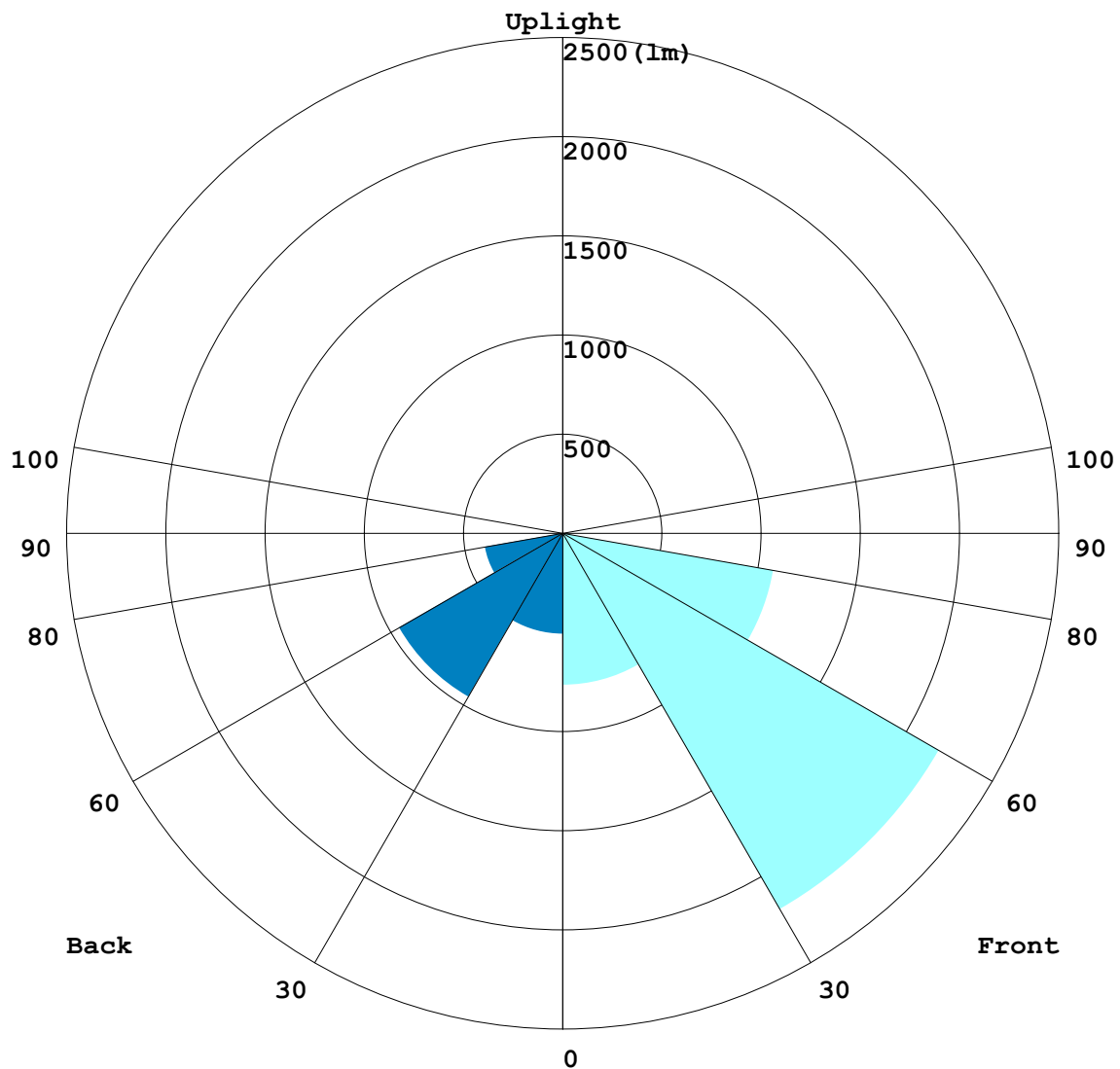
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.3V I:0.1839A P:39.47W PF:0.9783 Freq:60.01Hz Lamp Flux:5930.48x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-40WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.3V I:0.1839A P:39.47W PF:0.9783 Freq:60.01Hz Lamp Flux:5930.48x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-40WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	764.38	12.9
FM - Front-Medium(30-60)	2189.2	36.9
FH - Front-High(60-80)	1078.5	18.2
FVH - Front-Very High(80-90)	29.29	0.5
Total Forward Light	4061.3	68.5

BL - Back-Low(0-30)	506.68	8.5
BM - Back-Medium(30-60)	951.85	16.1
BH - Back-High(60-80)	397.79	6.7
BVH - Back-Very High(80-90)	12.823	0.2
Total Back Light	1869.1	31.5

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	1869.1	0	1869.1
Street Side	4061.3	0	4061.3

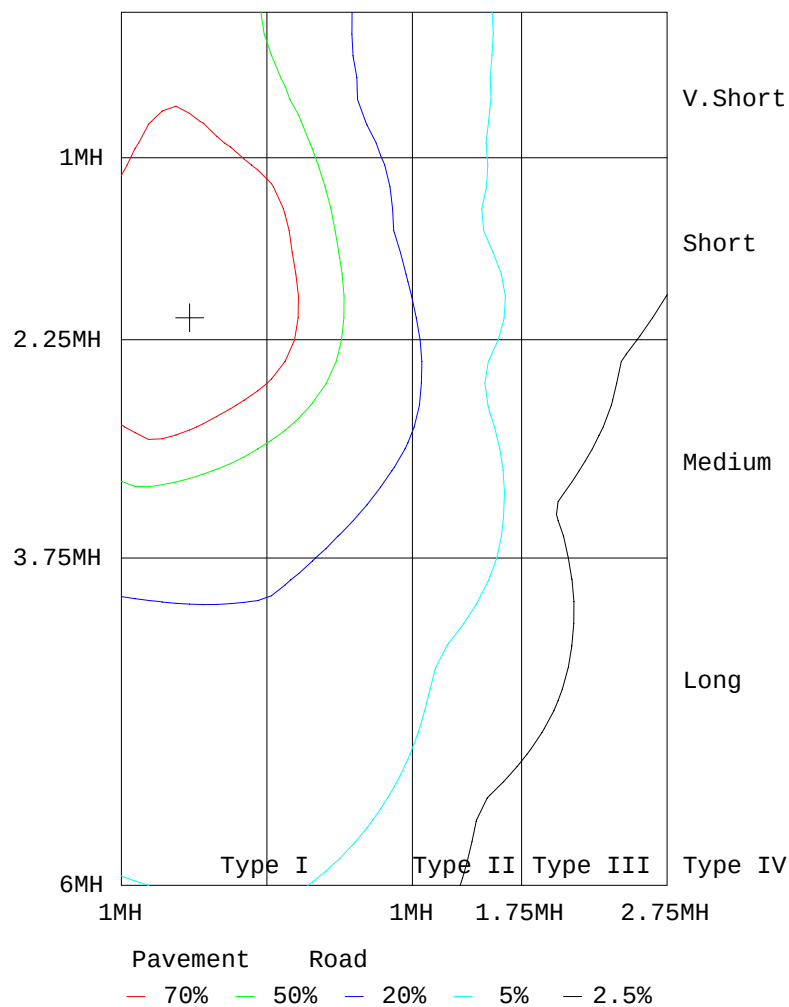
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.1839A P:39.47W PF:0.9783 Freq:60.01Hz Lamp Flux:5930.48x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-40WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.1839A P:39.47W PF:0.9783 Freq:60.01Hz Lamp Flux:5930.48x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-40WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	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	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537	1537
5	1526	1560	1592	1621	1642	1660	1668	1669	1661	1646	1622	1592	1556	1520	1483	1450	1422	1401	1394
10	1525	1587	1645	1694	1733	1764	1779	1783	1769	1741	1701	1649	1584	1517	1438	1362	1297	1247	1228
15	1534	1614	1688	1758	1814	1856	1879	1884	1865	1827	1771	1706	1623	1524	1402	1274	1170	1094	1066
20	1550	1641	1727	1811	1882	1934	1958	1970	1949	1903	1837	1764	1665	1539	1371	1198	1036	931	891
25	1564	1666	1763	1862	1936	1981	2004	2028	2022	1976	1905	1823	1713	1565	1349	1079	891	776	749
30	1579	1697	1803	1911	1974	1995	2010	2055	2076	2047	1976	1894	1768	1595	1300	951	732	647	628
35	1600	1740	1852	1960	1986	1979	1990	2045	2101	2116	2060	1986	1843	1635	1236	807	599	524	507
40	1643	1802	1918	2006	1967	1933	1927	1992	2086	2186	2173	2106	1930	1691	1176	649	477	423	411
45	1708	1899	2017	2041	1919	1827	1781	1875	2025	2237	2322	2258	2065	1741	1093	511	389	345	334
50	1844	2058	2131	2040	1807	1583	1447	1610	1887	2226	2479	2478	2244	1784	980	411	312	266	255
55	2033	2295	2308	1960	1514	994	745	962	1525	2115	2675	2717	2413	1790	807	321	230	191	182
60	2226	2584	2506	1727	858	333	155	269	760	1812	2842	2953	2520	1712	618	223	159	142	138
65	2380	2900	2632	1278	228	115	107	114	161	1274	2813	3165	2576	1548	413	146	120	115	115
70	2313	3122	2513	815	101	85.1	81.8	83.9	96.3	720	2321	2686	1906	1071	191	102	95.9	86.0	81.9
75	1391	2062	1703	347	68.2	60.5	58.0	57.9	63.0	279	1175	1087	776	357	85.3	69.1	66.1	59.0	60.9
80	490	414	607	80.5	41.0	36.6	36.1	34.1	36.4	57.3	218	184	227	76.0	38.2	32.4	38.1	39.4	42.2
85	87.0	78.3	80.0	31.2	19.3	15.6	14.3	13.7	14.3	20.8	39.0	28.8	24.3	15.3	14.4	14.4	16.4	14.3	12.9
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:2022-08-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.1839A P:39.47W PF:0.9783 Freq:60.01Hz Lamp Flux:5930.48x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-40WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1537	1537	1537	1537	1537														
5	1394	1408	1429	1458	1490														
10	1232	1268	1320	1388	1458														
15	1076	1134	1220	1328	1441														
20	914	1001	1141	1287	1430														
25	770	866	1027	1252	1428														
30	647	723	905	1181	1426														
35	526	597	766	1089	1420														
40	425	478	620	991	1418														
45	345	390	493	888	1432														
50	267	310	396	759	1453														
55	195	232	310	611	1470														
60	145	164	224	464	1434														
65	118	123	149	330	1329														
70	90.9	99.7	107	192	1102														
75	61.9	71.0	78.6	94.8	550														
80	42.6	43.4	43.6	55.2	125														
85	19.9	22.6	20.4	21.2	28.2														
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:2022-08-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: