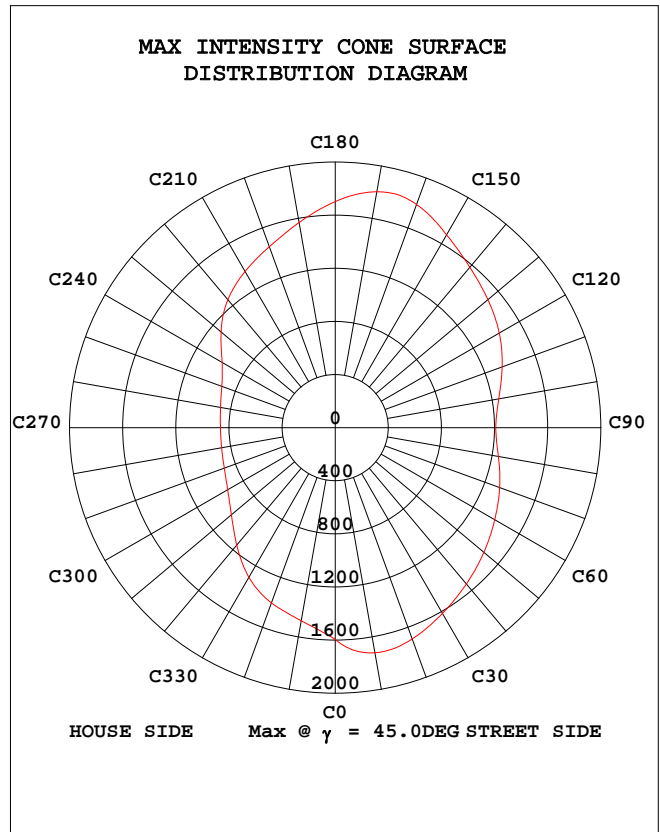
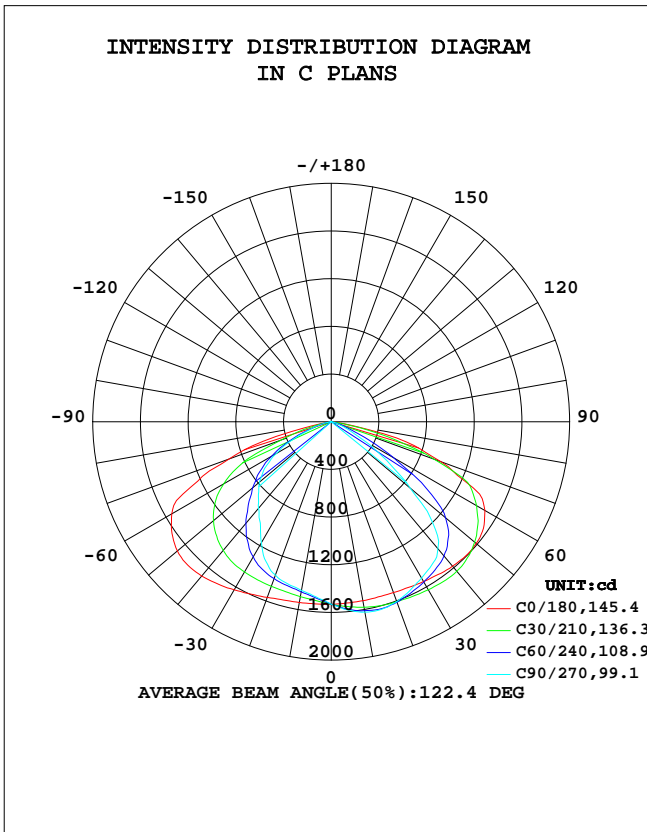


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.58V I:0.3269A P:38.517W PF:0.9853 Freq:59.97Hz Lamp Flux:5169.19x1 lm		
NAME: LBL300 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.20 lm/W			
MODEL		I _{max} (cd)	1817	η street_up(%)	0.1
NOMINAL POWER(W)	40	LOR(%)	100.0	η street_down(%)	54.2
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5169	η house_up(%)	0.2
NOMINAL FLUX(lm)	5169.19	MAXIMUM @(C,γ)	165,45.0	η house_down(%)	45.5
LAMPS INSIDE	1	η up(%)	0.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	η down(%)	99.7	SLI	19.034

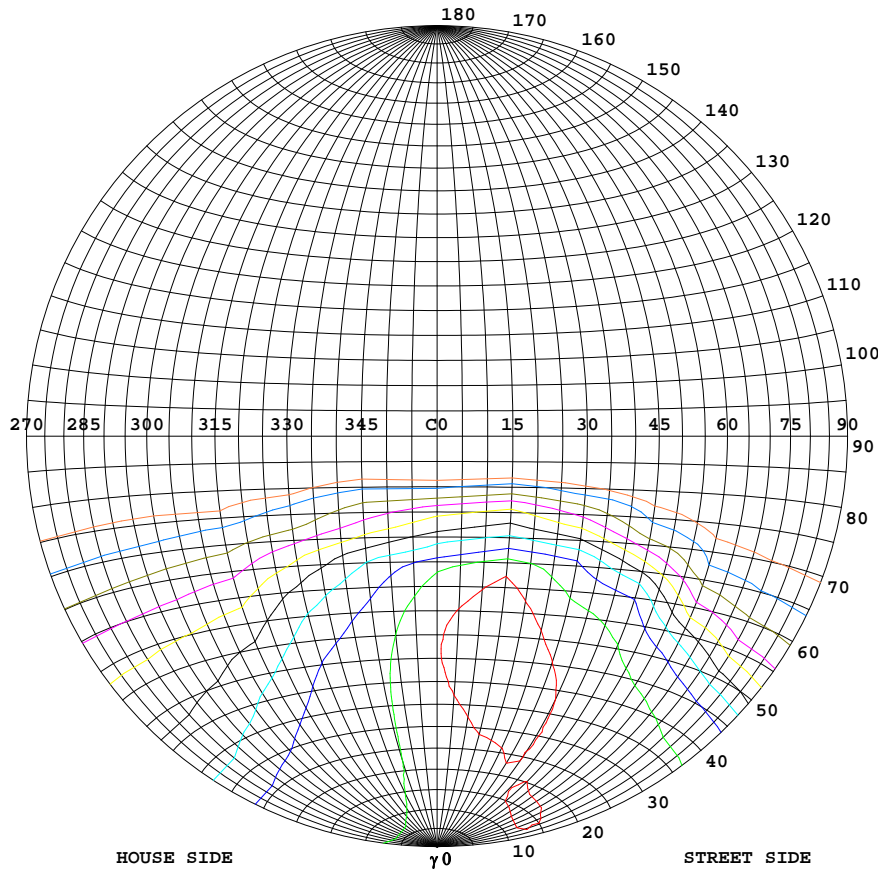


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: HXF
 Test Date: 22 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity: 65.0%
 Test Distance: 7.700m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.58V I:0.3269A P:38.517W PF:0.9853 Freq:59.97Hz Lamp Flux:5169.19x1 lm		
NAME: LBL300 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:



Classification:

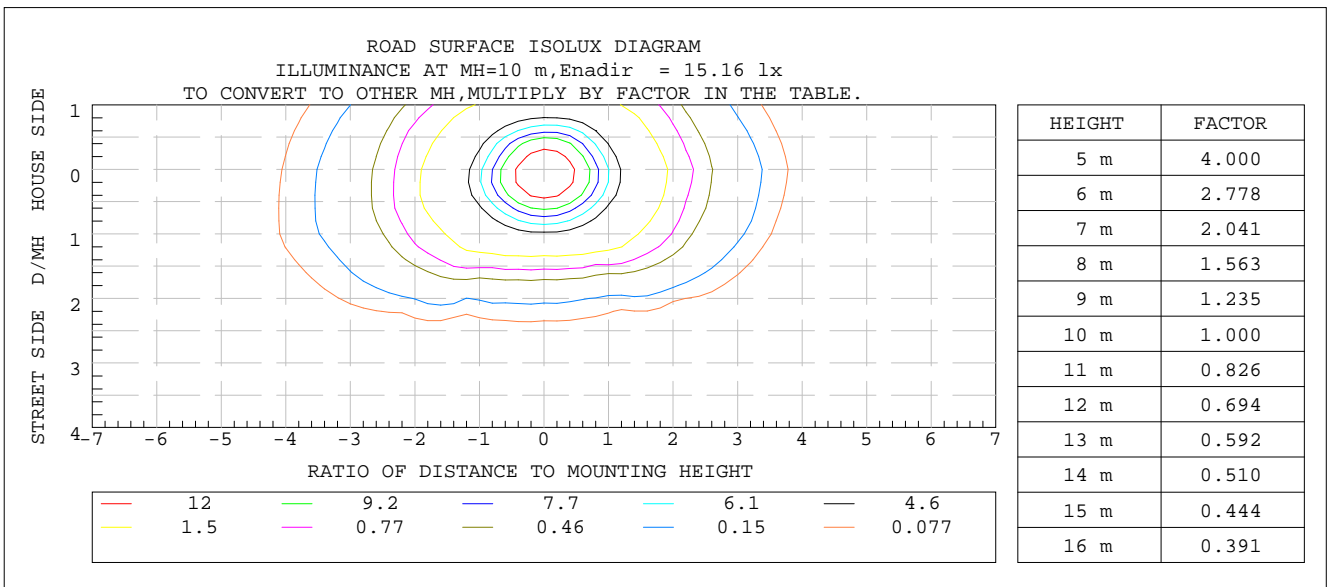
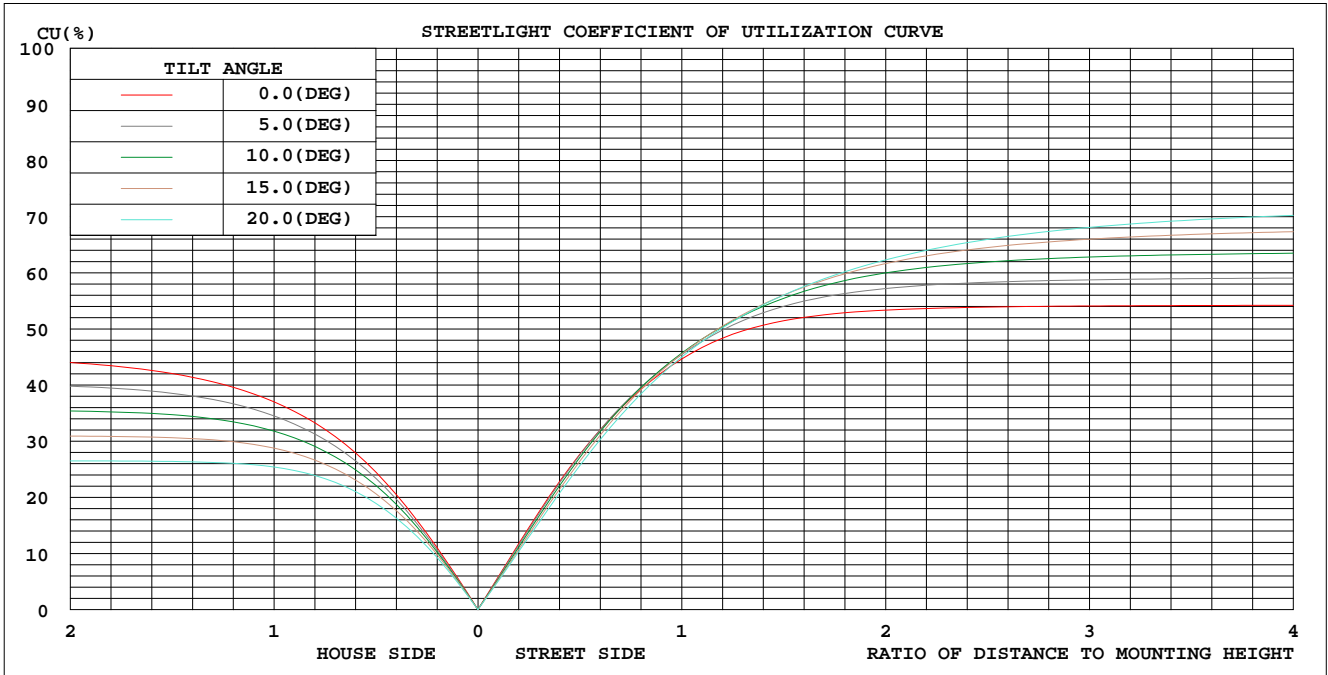
IES:Type II - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:45.86cd/klm
 Max.At90:0.1359cd/klm
 Max.80-90:45.86cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1817
90%	1635
80%	1453
70%	1272
60%	1090
50%	908
40%	727
30%	545
20%	363
10%	182
5%	91

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:HXF
 Test Date:22 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:7.700m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: HXF
Test Date: 22 July 2019

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
Humidity: 65.0%
Test Distance: 7.700m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:119.58V I:0.3269A P:38.517W PF:0.9853 Freq:59.97Hz Lamp Flux:5169.19x1 lm		
NAME: LBL300 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:

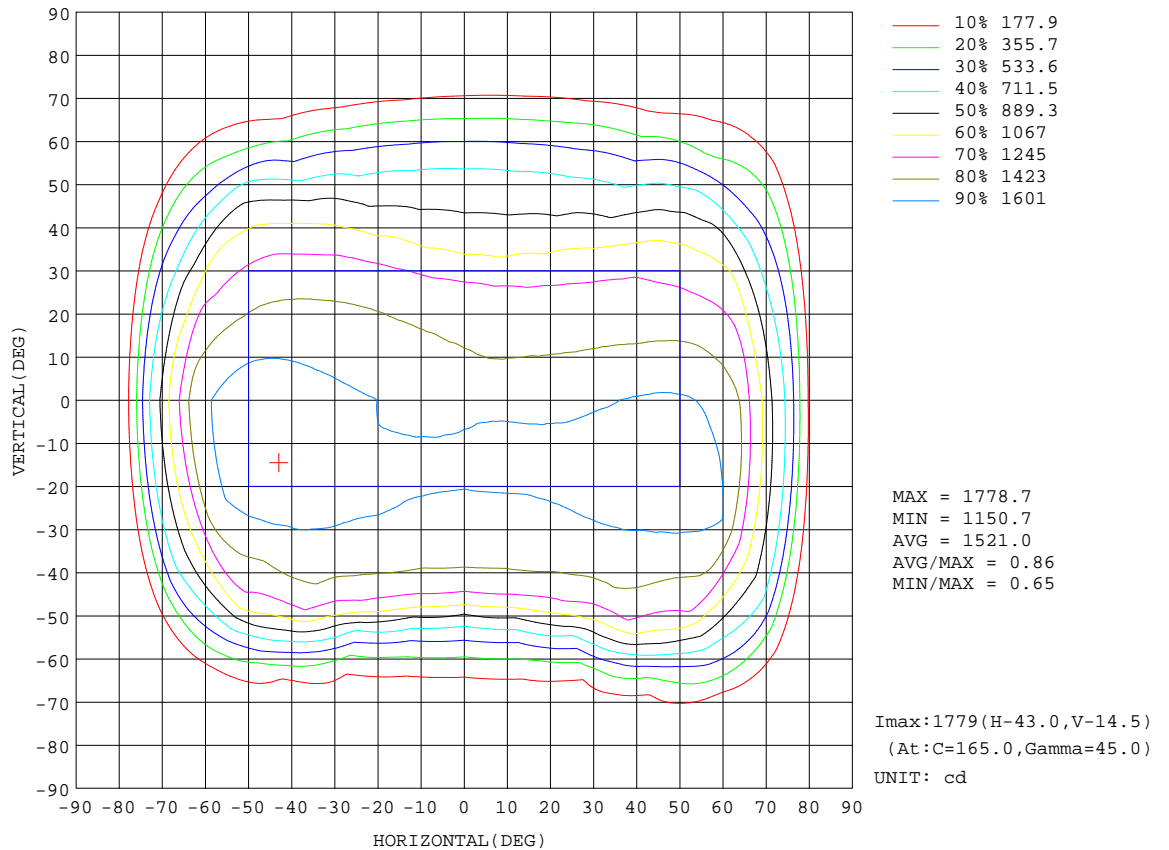
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	1525	1599	1622	1613	1539	1467	1437	1460	0- 10	146.2	146.2	2.83,2.83
20	1525	1617	1606	1660	1568	1434	1369	1420	10- 20	434.3	580.5	11.2,11.2
30	1548	1592	1515	1664	1629	1396	1173	1341	20- 30	697.8	1278	24.7,24.7
40	1582	1543	1391	1593	1690	1288	950.1	1191	30- 40	909.3	2188	42.3,42.3
50	1588	1446	863.7	1482	1686	1076	785.5	959.0	40- 50	1033	3220	62.3,62.3
60	1489	1243	330.4	1133	1544	707.5	533.1	683.2	50- 60	982.1	4203	81.3,81.3
70	973.0	452.3	79.61	280.4	909.2	254.7	188.1	309.5	60- 70	696.9	4899	94.8,94.8
80	156.9	26.16	7.173	11.51	48.70	22.34	23.93	39.95	70- 80	241.5	5141	99.5,99.5
90	0.3060	0.0583	0.0628	0.0960	0.5248	0.3778	0.4590	0.5390	80- 90	11.58	5153	99.7,99.7
100	0.9543	0.3115	0.2630	0.4160	1.513	0.8002	0.3107	0.5469	90-100	0.4341	5153	99.7,99.7
110	2.970	1.280	0.8679	1.211	3.544	1.869	0.6336	1.892	100-110	1.219	5154	99.7,99.7
120	4.663	2.609	1.756	2.178	4.919	3.109	1.593	3.503	110-120	2.373	5157	99.8,99.8
130	5.188	3.172	2.543	2.937	5.103	4.299	3.171	4.510	120-130	3.100	5160	99.8,99.8
140	5.042	3.192	3.144	3.341	4.852	4.673	4.455	4.946	130-140	3.130	5163	99.9,99.9
150	4.680	4.032	3.695	3.628	4.502	4.595	4.729	4.971	140-150	2.652	5165	99.9,99.9
160	4.610	4.456	4.080	3.952	4.552	4.630	4.773	4.788	150-160	1.964	5167	100,100
170	4.695	4.767	4.555	4.540	4.637	5.019	5.040	4.899	160-170	1.280	5169	100,100
180	4.768	5.077	4.981	4.891	4.783	5.066	4.981	4.895	170-180	0.4626	5169	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:HXF
 Test Date:22 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:7.700m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

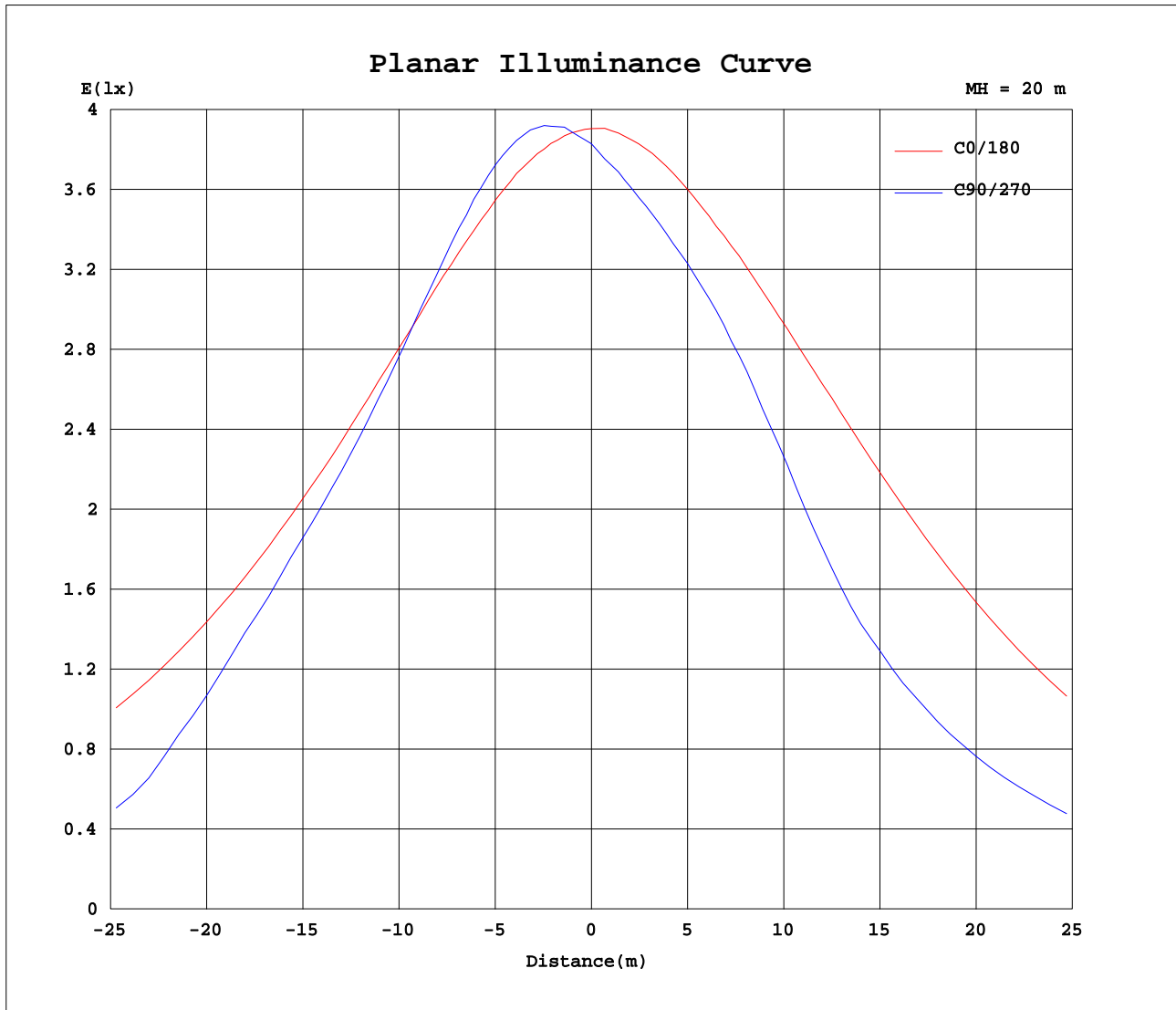
Test:U:119.58V I:0.3269A P:38.517W PF:0.9853 Freq:59.97Hz Lamp Flux:5169.19x1 lm		
NAME: LBL300 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: HXF
 Test Date: 22 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity: 65.0%
 Test Distance: 7.700m [K=1.0000]
 Remarks:

Planar Illuminance Curve



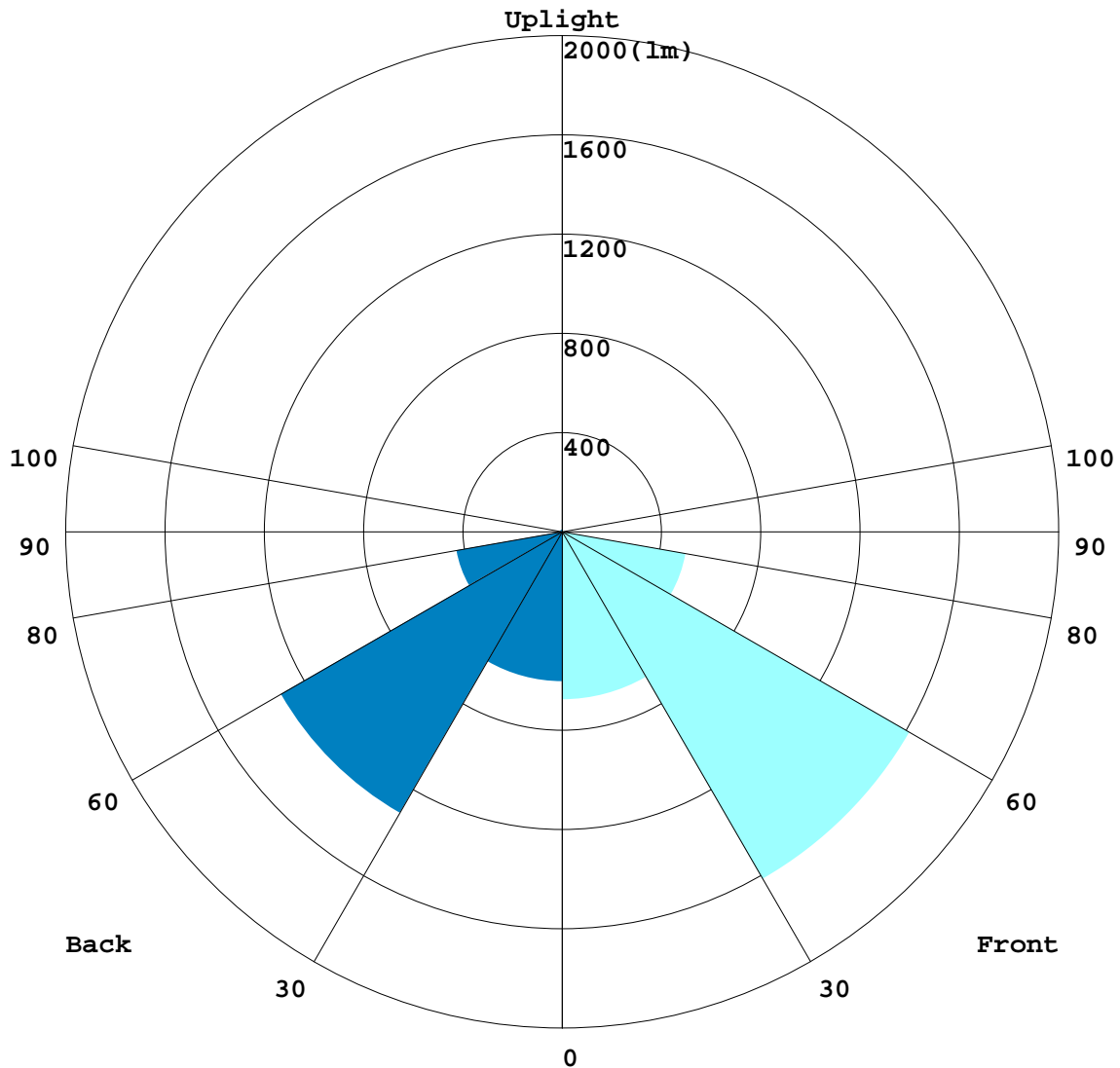
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: HXF
 Test Date: 22 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity: 65.0%
 Test Distance: 7.700m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:119.58V I:0.3269A P:38.517W PF:0.9853 Freq:59.97Hz Lamp Flux:5169.19x1 lm		
NAME: LBL300 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:HXF
 Test Date:22 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:7.700m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:119.58V I:0.3269A P:38.517W PF:0.9853 Freq:59.97Hz Lamp Flux:5169.19x1 lm		
NAME: LBL300 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	675.62	13.1
FM - Front-Medium(30-60)	1615.9	31.3
FH - Front-High(60-80)	505.78	9.8
FVH - Front-Very High(80-90)	5.1461	0.1
Total Forward Light	2809.9	54.4

BL - Back-Low(0-30)	602.69	11.7
BM - Back-Medium(30-60)	1308.4	25.3
BH - Back-High(60-80)	432.6	8.4
BVH - Back-Very High(80-90)	6.4366	0.1
Total Back Light	2359.3	45.6

UL - Uplight-Low(90-100)	0.43413	0.0
UH - Uplight-High(100-180)	16.181	0.3
Total Up Light	16.615	0.3

BUG(Back,Up,Glare) Rating	B2-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2350.2	9.1396	2359.3
Street Side	2802.4	7.4751	2809.9

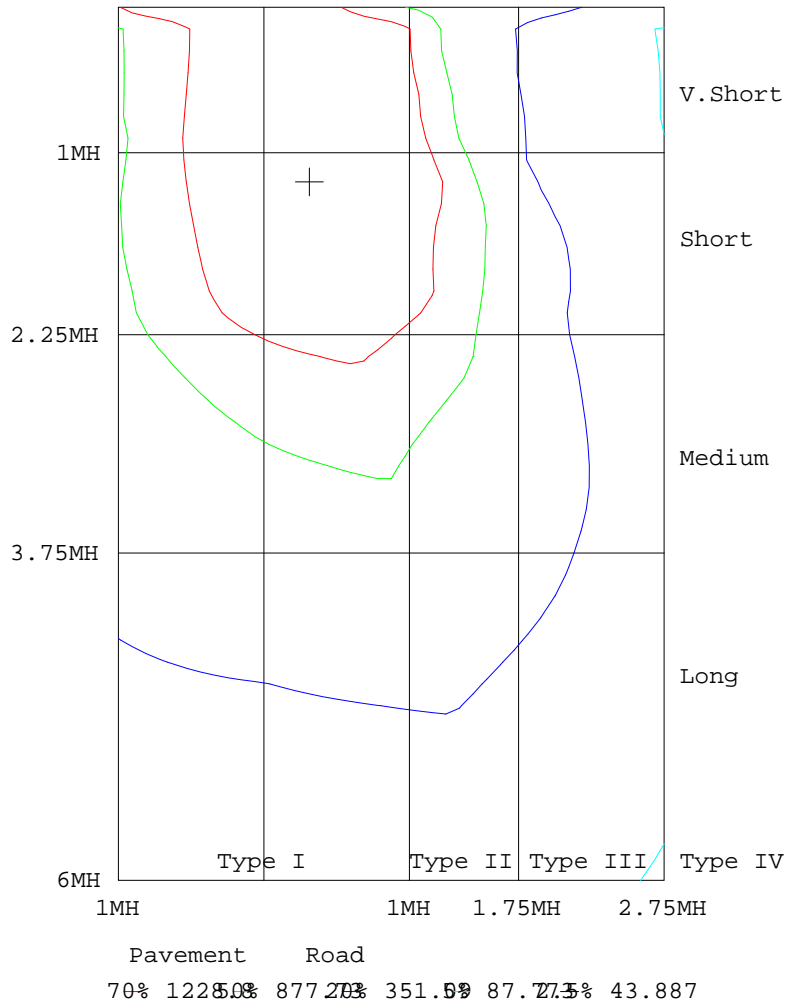
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:HXF
 Test Date:22 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:7.700m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.58V I:0.3269A P:38.517W PF:0.9853 Freq:59.97Hz Lamp Flux:5169.19x1 lm		
NAME: LBL300 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:HXF
 Test Date:22 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:7.700m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.58V I:0.3269A P:38.517W PF:0.9853 Freq:59.97Hz Lamp Flux:5169.19x1 lm		
NAME: LBL300 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	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	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531	1531
5	1526	1543	1556	1568	1577	1585	1584	1585	1581	1573	1563	1550	1533	1522	1506	1495	1484	1479	1474
10	1525	1555	1580	1599	1608	1620	1622	1626	1623	1613	1595	1572	1539	1517	1490	1467	1449	1440	1437
15	1521	1564	1597	1617	1624	1633	1629	1641	1644	1643	1628	1596	1549	1516	1477	1448	1424	1414	1408
20	1525	1576	1607	1617	1611	1613	1606	1625	1641	1660	1658	1628	1568	1521	1469	1434	1401	1384	1369
25	1533	1591	1616	1608	1583	1572	1563	1591	1624	1669	1695	1671	1595	1525	1464	1419	1366	1323	1295
30	1548	1620	1628	1592	1553	1524	1515	1549	1599	1664	1730	1722	1629	1531	1455	1396	1308	1224	1173
35	1564	1654	1637	1574	1518	1480	1469	1502	1562	1635	1745	1767	1661	1532	1442	1355	1224	1098	1038
40	1582	1689	1638	1543	1471	1419	1391	1432	1507	1593	1727	1802	1690	1528	1409	1288	1115	982	950
45	1594	1720	1615	1499	1387	1283	1209	1292	1426	1537	1677	1817	1703	1505	1359	1196	983	891	864
50	1588	1733	1570	1446	1252	997	864	999	1274	1482	1601	1794	1686	1459	1289	1076	861	802	785
55	1558	1712	1502	1381	975	656	571	642	937	1395	1494	1721	1632	1375	1190	917	735	689	682
60	1489	1654	1409	1243	603	400	330	382	530	1133	1371	1586	1544	1247	1041	708	577	540	533
65	1316	1510	1287	885	309	187	162	173	232	672	1165	1258	1305	1003	824	475	397	370	369
70	973	1109	919	452	131	93.6	79.6	86.1	110	280	653	872	909	651	439	255	203	183	188
75	650	769	500	151	50.9	39.1	30.7	35.2	41.4	78.4	218	396	477	315	194	79.1	84.8	88.4	93.2
80	157	237	111	26.2	14.3	9.95	7.17	7.24	8.81	11.5	16.6	27.0	48.7	47.4	24.8	22.3	25.7	26.9	23.9
85	8.41	6.62	4.62	2.23	0.75	0.45	0.33	0.32	0.33	0.48	0.57	0.79	2.13	2.02	2.63	3.41	5.05	5.31	6.65
90	0.31	0.24	0.09	0.06	0.06	0.05	0.06	0.07	0.08	0.10	0.14	0.21	0.52	0.56	0.46	0.38	0.41	0.42	0.46
95	0.42	0.29	0.20	0.12	0.11	0.12	0.12	0.13	0.16	0.19	0.32	0.49	0.88	0.98	0.76	0.48	0.33	0.29	0.28
100	0.95	0.68	0.51	0.31	0.26	0.25	0.26	0.28	0.33	0.42	0.66	1.00	1.51	1.62	1.27	0.80	0.41	0.34	0.31
105	1.89	1.46	1.12	0.71	0.52	0.50	0.51	0.54	0.62	0.75	1.17	1.69	2.56	2.59	1.99	1.30	0.66	0.47	0.41
110	2.97	2.50	1.90	1.28	0.88	0.86	0.87	0.90	1.00	1.21	1.75	2.47	3.54	3.56	2.77	1.87	1.11	0.73	0.63
115	3.91	3.43	2.70	1.97	1.25	1.31	1.31	1.31	1.43	1.71	2.35	3.19	4.37	4.41	3.63	2.46	1.65	1.17	1.02
120	4.66	4.17	3.37	2.61	1.65	1.77	1.76	1.76	1.87	2.18	2.86	3.71	4.92	4.84	4.35	3.11	2.27	1.78	1.59
125	5.06	4.59	3.82	3.07	2.14	2.22	2.19	2.19	2.28	2.61	3.24	4.02	5.10	5.05	4.75	3.79	2.93	2.51	2.34
130	5.19	4.79	4.13	3.17	2.68	2.63	2.54	2.54	2.62	2.94	3.48	4.18	5.10	5.05	4.86	4.30	3.59	3.24	3.17
135	5.17	4.86	4.32	3.02	3.29	3.00	2.86	2.82	2.91	3.17	3.64	4.23	5.01	4.97	4.85	4.59	4.17	3.94	3.94
140	5.04	4.83	4.15	3.19	3.65	3.35	3.14	3.10	3.16	3.34	3.74	4.22	4.85	4.84	4.79	4.67	4.52	4.45	4.45
145	4.87	4.76	3.88	3.58	3.91	3.65	3.43	3.32	3.36	3.49	3.78	4.15	4.68	4.69	4.68	4.67	4.64	4.65	4.70
150	4.68	4.66	3.57	4.03	4.08	3.89	3.69	3.56	3.54	3.63	3.81	4.07	4.50	4.52	4.56	4.60	4.60	4.66	4.73
155	4.54	4.26	3.65	4.32	4.19	4.05	3.91	3.77	3.69	3.73	3.87	4.04	4.43	4.46	4.51	4.53	4.56	4.63	4.71
160	4.61	4.04	4.06	4.46	4.30	4.20	4.08	3.99	3.92	3.95	4.04	4.16	4.55	4.55	4.59	4.63	4.65	4.73	4.77
165	4.76	4.15	4.52	4.60	4.47	4.38	4.29	4.25	4.22	4.24	4.28	4.38	4.54	4.74	4.77	4.79	4.83	4.89	4.89
170	4.69	4.49	4.89	4.77	4.68	4.63	4.56	4.55	4.53	4.54	4.57	4.63	4.64	4.95	4.99	5.02	5.04	5.08	5.04
175	4.74	4.77	5.01	4.95	4.90	4.87	4.81	4.80	4.77	4.77	4.77	4.76	4.80	5.06	5.06	5.08	5.11	5.11	5.06
180	4.77	4.98	5.07	5.08	5.05	5.06	4.98	4.96	4.92	4.89	4.86	4.66	4.78	4.96	5.07	5.07	5.06	5.05	4.98

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:HXF
 Test Date:22 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:7.700m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.58V I:0.3269A P:38.517W PF:0.9853 Freq:59.97Hz Lamp Flux:5169.19x1 lm		
NAME: LBL300 40W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1531	1531	1531	1531	1531														
5	1475	1481	1490	1499	1511														
10	1439	1445	1460	1477	1500														
15	1416	1422	1440	1462	1492														
20	1380	1397	1420	1449	1486														
25	1303	1340	1387	1433	1480														
30	1183	1251	1341	1415	1476														
35	1054	1144	1277	1395	1469														
40	960	1032	1191	1361	1460														
45	877	936	1082	1301	1438														
50	797	846	959	1223	1401														
55	693	741	827	1123	1344														
60	551	602	683	990	1255														
65	388	431	506	783	1119														
70	200	245	309	516	777														
75	102	118	124	245	475														
80	28.3	41.1	39.9	62.3	161														
85	6.84	9.16	9.23	11.6	17.8														
90	0.45	0.53	0.54	0.67	0.70														
95	0.28	0.29	0.35	0.49	0.66														
100	0.32	0.35	0.55	0.88	1.15														
105	0.43	0.53	1.04	1.66	2.01														
110	0.68	0.99	1.89	2.65	3.10														
115	1.13	1.74	2.83	3.49	4.01														
120	1.84	2.67	3.50	4.20	4.62														
125	2.74	3.51	4.06	4.57	4.86														
130	3.64	4.10	4.51	4.67	4.83														
135	4.27	4.53	4.80	4.48	4.61														
140	4.66	4.81	4.95	4.24	4.32														
145	4.83	4.93	5.08	3.82	3.96														
150	4.83	4.91	4.97	3.74	3.44														
155	4.79	4.85	4.83	3.89	3.08														
160	4.83	4.84	4.79	4.27	3.28														
165	4.91	4.87	4.81	4.58	3.58														
170	5.02	4.95	4.90	4.86	4.00														
175	5.02	4.97	4.91	4.89	4.44														
180	4.96	4.92	4.89	4.87	4.66														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:HXF
 Test Date:22 July 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:7.700m [K=1.0000]
 Remarks: