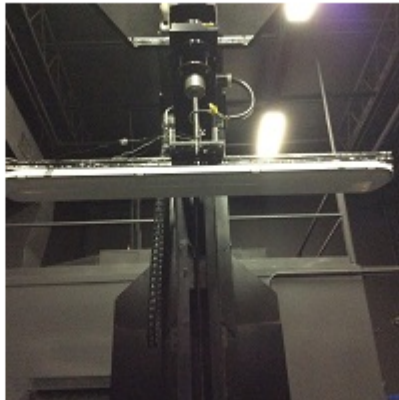


A.L.P.-LEXALITE

Test Report Number: 05753
Test Item Number: SENTRY ELITE 4'

Report Number	05753
Test Item	SENTRY ELITE 4' WITH FLAT GEAR TRAY AND SHALLOW SMOOTH LUMIEO LENS #P00796
Product Type	LOW BAY
Test Purpose	
Sales Order Reference	
Works Order Number	
Test Item Reference	
Lab Test Method Reference	
Test Standards	IESNA LM-79-08
Lab Location Reference	
Tested by	1860
Date of Test	8/24/2016
Number of products Tested	
Analysed By	
Authorised Date	

A.L.P.



Test Report Number: 06753
 Test Item Number: SENTRY ELITE 4'

Product Name	SENTRY ELITE 4' WITH FLAT GEAR TRAY AND SHALLOW SMOOTH LUMIEO LENS #P00796
Part / Serial Number	4SE2R-12A1
Type of Product	LOW BAY
Base Type	
Driver Type	LG INNOTEK PIFN-X048A
Operating Orientation	HORIZONTAL
Test Orientation	HORIZONTAL
Manufacturer	A.L.P.
Date of Manufacture	
Thermal Management	
Dimmable	

Test Time (minutes)	Ambient Temperature (deg C)	Relative Humidity (%RH)	Pre-burning Time (hours)	Stabilisation Time (minutes)
120.00	24.90	0.00	0.00	43.00

Photometric Measurements

Total Luminous Flux (lm)	Electrical Power (W)	Luminous Efficacy (lm/W)	Test Distance (m)
4807.1	48.70	98.71	6.78

Electrical Measurements

Power Factor	Power (W)	Voltage (V)	Current (A)	Apparent Power (VA)	Frequency (Hz)	Current THD (%)	Voltage THD (%)
1.00	48.70	120.01	0.41	0.00	60.00	6.57	0.00

A.L.P.-LEXALITE

Test Report Number: 05753
Test Item Number: SENTRY ELITE 4'

Zonal Lumen Summary

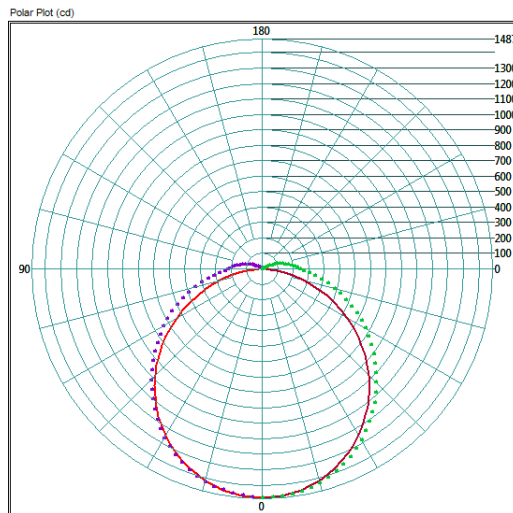
	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	1154.45	24.02	24.02
0 to 40	1893.04	39.38	39.38
0 to 60	3379.89	70.31	70.31
0 to 90	4582.14	95.32	95.32
40 to 90	2689.10	55.94	55.94
60 to 90	1202.26	25.01	25.01
90 to 180	225.01	4.68	4.68
0 to 180	4807.15	100.00	100.00

Test Report Number: 05753
 Test Item Number: SENTRY ELITE 4'

Luminaire Dimensions

Sample Diameter/Length (mm)	Sample Width (mm)	Sample Height/Depth (mm)	Luminous Diameter/Length (mm)	Luminous Width (mm)	Luminous Height/Depth (mm)	Luminous C0-plane (mm)	Luminous C90-plane (mm)	Luminous C180-plane (mm)	Luminous C270-plane (mm)
1219.20	152.40	36.58	1219.20	152.40	36.58	36.58	36.58	36.58	36.58

Polar Plot (cd)



Test Report Number: 05753
 Test Item Number: SENTRY ELITE 4'

Coefficients of Utilisation

IES Spacing Criterion

Spacing Criterion (0 to 180)	Spacing Criterion (90 to 270)	Spacing Criterion (diagonal)
1.25	1.27	1.38

Proportion of Upward and Downward Flux from Luminaire

LOR (%)	Proportion of Upward Flux from Luminaire	Proportion of Downward Flux from Luminaire	Fixture Total Flux (lm)
100.00	0.00	0.00	4807.15

Table of Coefficients of Utilisation

RCC%	80	80	80	80	70	70	70	70	50	50	50	50	30	30	30	30	10	10	10	10	0	0	0	0
RW%	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0
RFC%	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
RCR = 0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	1.15	1.09	1.09	1.09	1.09	1.03	1.03	1.03	1.03	0.98	0.98	0.98	0.98	0.96	0.96	0.96	0.96
RCR = 1	1.06	1.01	0.96	0.90	1.03	0.98	0.94	0.88	0.97	0.93	0.90	0.85	0.92	0.88	0.86	0.82	0.87	0.84	0.82	0.79	0.84	0.82	0.80	0.77
RCR = 2	0.96	0.87	0.80	0.71	0.93	0.85	0.78	0.70	0.87	0.81	0.75	0.68	0.82	0.77	0.72	0.66	0.77	0.73	0.69	0.64	0.75	0.71	0.68	0.63
RCR = 3	0.87	0.76	0.68	0.58	0.85	0.74	0.66	0.57	0.79	0.71	0.64	0.56	0.74	0.67	0.62	0.55	0.70	0.64	0.59	0.53	0.68	0.63	0.58	0.53
RCR = 4	0.80	0.67	0.58	0.48	0.77	0.66	0.57	0.48	0.72	0.63	0.55	0.47	0.68	0.60	0.53	0.46	0.64	0.57	0.52	0.45	0.62	0.56	0.51	0.45
RCR = 5	0.73	0.60	0.51	0.41	0.71	0.59	0.50	0.41	0.66	0.56	0.48	0.40	0.62	0.54	0.47	0.40	0.59	0.51	0.46	0.39	0.57	0.50	0.45	0.39
RCR = 6	0.68	0.54	0.45	0.36	0.65	0.53	0.44	0.35	0.61	0.51	0.43	0.35	0.58	0.48	0.42	0.34	0.54	0.46	0.40	0.34	0.53	0.45	0.40	0.34
RCR = 7	0.63	0.49	0.40	0.31	0.61	0.48	0.39	0.31	0.57	0.46	0.38	0.31	0.54	0.44	0.37	0.30	0.51	0.42	0.36	0.30	0.49	0.42	0.36	0.30
RCR = 8	0.58	0.45	0.36	0.28	0.57	0.44	0.35	0.27	0.53	0.42	0.35	0.27	0.50	0.40	0.34	0.27	0.47	0.39	0.33	0.27	0.46	0.38	0.32	0.26
RCR = 9	0.55	0.41	0.33	0.25	0.53	0.40	0.32	0.25	0.50	0.39	0.31	0.24	0.47	0.37	0.31	0.24	0.44	0.36	0.30	0.24	0.43	0.35	0.30	0.24
RCR = 10	0.51	0.38	0.30	0.22	0.50	0.37	0.29	0.22	0.47	0.36	0.29	0.22	0.44	0.34	0.28	0.22	0.42	0.33	0.27	0.22	0.41	0.33	0.27	0.21

Test Report Number: 06763
 Test Item Number: SENTRY ELITE 4'

UGR Table

Reference Standard:
 CIE 190:2010

UGR Table											
Ceiling Reflectance		70	70	50	50	30	70	70	50	50	30
Wall Reflectance		50	30	50	30	30	50	30	50	30	30
Floor Reflectance		20	20	20	20	20	20	20	20	20	20
Room dimensions X Y		Viewed Crosswise					Viewed Endwise				
2H	2H	11.7	13.3	12.2	13.7	14.1	13.0	14.5	13.4	14.9	15.4
	3H	13.3	14.7	13.8	15.2	15.6	15.3	16.7	15.7	17.1	17.6
	4H	13.8	15.2	14.3	15.6	16.1	16.3	17.7	16.8	18.1	18.6
	6H	14.2	15.4	14.6	15.9	16.4	17.3	18.6	17.8	19.0	19.5
	8H	14.2	15.4	14.7	15.9	16.4	17.8	19.0	18.3	19.5	20.0
	12H	14.2	15.4	14.8	15.9	16.4	18.3	19.5	18.8	20.0	20.5
4H	2H	12.5	13.9	13.0	14.3	14.8	13.5	14.8	13.9	15.3	15.8
	3H	14.3	15.5	14.8	15.9	16.5	16.0	17.1	16.5	17.6	18.1
	4H	15.0	16.0	15.5	16.5	17.1	17.2	18.2	17.7	18.7	19.3
	6H	15.4	16.3	15.9	16.9	17.4	18.4	19.3	18.9	19.8	20.4
	8H	15.5	16.4	16.0	16.9	17.5	19.0	19.8	19.5	20.4	20.9
	12H	15.6	16.4	16.1	16.9	17.5	19.6	20.4	20.1	20.9	21.5
8H	4H	15.5	16.4	16.0	16.9	17.5	17.4	18.3	18.0	18.8	19.4
	6H	16.1	16.8	16.7	17.4	18.0	18.8	19.5	19.4	20.1	20.7
	8H	16.3	17.0	16.9	17.6	18.1	19.5	20.2	20.1	20.7	21.3
	12H	16.4	17.0	17.0	17.6	18.3	20.3	20.9	20.9	21.5	22.1
12H	4H	15.6	16.4	16.2	17.0	17.6	17.5	18.2	18.0	18.8	19.4
	6H	16.3	17.0	16.9	17.5	18.2	18.8	19.5	19.4	20.1	20.7
	8H	16.6	17.2	17.2	17.8	18.4	19.6	20.2	20.2	20.8	21.4

Test Report Number: 05753
 Test Item Number: SENTRY ELITE 4'

Candela Table (cd)

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5	225.0	247.5	270.0	292.5	315.0	337.5
0.0	1480.3	1480.3	1480.3	1480.3	1480.3	1480.3	1480.3	1480.3	1480.3	1480.3	1480.3	1480.3	1480.3	1480.3	1480.3	1480.3
2.5	1479.5	1475.8	1484.8	1475.4	1474.4	1478.5	1476.7	1481.4	1478.6	1477.5	1487.3	1476.7	1474.3	1479.3	1477.7	1478.0
5.0	1474.3	1469.2	1477.4	1468.4	1468.5	1473.7	1471.8	1478.4	1473.7	1473.0	1483.2	1474.2	1473.6	1475.3	1471.1	1472.2
7.5	1465.0	1459.8	1467.2	1460.3	1460.7	1465.2	1464.2	1470.6	1465.5	1465.2	1475.3	1468.1	1469.5	1469.9	1461.8	1463.7
10.0	1453.0	1446.9	1456.6	1451.6	1451.9	1455.1	1454.2	1459.0	1453.8	1454.2	1464.3	1458.0	1460.4	1460.7	1451.7	1450.8
12.5	1437.4	1432.0	1445.5	1440.2	1440.1	1444.5	1441.2	1444.7	1438.5	1439.4	1451.5	1445.9	1446.5	1447.6	1439.3	1434.9
15.0	1418.6	1415.1	1429.5	1423.5	1424.9	1429.1	1423.5	1427.3	1419.8	1421.6	1435.1	1430.5	1430.5	1429.9	1422.9	1417.1
17.5	1396.7	1396.1	1408.6	1404.7	1405.9	1407.9	1402.8	1406.9	1397.6	1400.7	1415.4	1411.9	1411.5	1409.8	1402.2	1396.5
20.0	1372.3	1373.0	1385.2	1379.7	1383.2	1384.1	1379.4	1383.0	1372.2	1376.8	1392.4	1389.7	1389.3	1387.1	1377.7	1371.9
22.5	1345.2	1346.4	1358.3	1351.9	1356.6	1358.9	1353.0	1356.8	1343.7	1349.5	1366.2	1364.4	1365.8	1362.4	1351.2	1342.6
25.0	1314.2	1316.6	1327.3	1323.2	1327.0	1330.9	1324.8	1327.3	1313.0	1320.8	1337.2	1337.1	1339.8	1336.0	1321.5	1311.1
27.5	1279.9	1282.8	1294.2	1292.3	1296.8	1299.2	1294.1	1294.6	1279.0	1289.1	1305.7	1307.4	1311.0	1305.8	1290.4	1276.9
30.0	1243.7	1245.7	1258.5	1257.4	1264.0	1265.5	1259.9	1259.6	1243.0	1254.6	1272.4	1274.0	1277.2	1271.4	1254.8	1241.2
32.5	1206.3	1207.3	1219.2	1218.5	1226.5	1228.7	1222.0	1222.0	1203.6	1217.2	1236.1	1238.5	1241.0	1234.2	1217.7	1201.5
35.0	1165.1	1167.0	1177.2	1177.9	1185.2	1187.6	1181.0	1183.0	1162.2	1177.5	1197.0	1202.0	1204.7	1195.8	1177.3	1160.3
37.5	1121.0	1123.7	1133.4	1136.9	1142.6	1145.3	1139.9	1140.7	1118.6	1135.1	1154.8	1162.6	1166.7	1156.9	1136.0	1117.3
40.0	1073.7	1077.6	1089.6	1093.5	1100.6	1102.8	1097.3	1095.2	1072.6	1090.8	1110.0	1120.1	1124.9	1115.6	1092.8	1072.2
42.5	1025.3	1029.2	1043.7	1049.2	1058.5	1059.9	1051.2	1047.5	1024.7	1043.3	1063.7	1075.7	1081.2	1069.5	1047.2	1024.5
45.0	976.9	980.3	995.5	1004.8	1015.1	1013.3	1002.7	998.3	973.8	993.2	1015.4	1030.1	1037.8	1023.5	998.9	974.2
47.5	925.5	929.2	943.7	957.9	969.6	964.0	952.9	947.1	921.8	942.6	965.8	983.8	993.3	977.7	950.9	922.2
50.0	870.6	875.3	891.5	908.6	922.0	915.1	901.5	892.5	867.3	889.5	913.9	936.7	948.4	931.4	900.5	868.5
52.5	814.4	820.7	838.4	859.3	876.9	868.5	848.8	836.2	811.0	835.0	861.7	889.2	903.1	884.3	848.8	813.7
55.0	757.4	765.3	786.4	813.3	830.1	820.7	795.7	779.3	753.5	779.4	810.3	843.7	858.0	837.2	796.9	758.2
57.5	698.2	708.0	732.8	767.0	783.7	772.6	742.6	720.7	694.9	723.1	759.2	798.0	813.1	790.7	746.4	702.1
60.0	637.8	648.7	679.8	719.6	738.1	724.6	691.4	661.1	635.0	666.7	707.8	751.9	766.9	744.9	695.6	645.0
62.5	577.2	588.7	628.6	672.3	693.3	677.5	639.3	602.7	574.7	608.6	656.7	704.6	719.9	697.2	645.0	588.0
65.0	515.6	530.9	576.9	624.6	645.7	630.7	588.8	543.5	512.8	549.2	604.6	656.2	672.5	648.7	594.6	531.0
67.5	453.3	472.8	525.9	576.7	597.6	582.4	538.3	484.7	449.9	489.3	554.0	607.5	624.5	600.9	543.0	473.2
70.0	390.7	414.2	477.3	528.0	548.1	532.9	488.1	425.8	387.9	430.5	503.1	558.8	575.7	552.3	493.1	416.8
72.5	328.8	358.3	427.8	478.4	499.5	483.9	436.8	370.0	326.1	374.1	452.6	510.9	528.0	502.8	442.5	361.5
75.0	267.9	305.4	378.4	430.0	450.8	436.1	385.7	316.5	264.7	320.4	402.2	461.4	479.8	453.9	392.5	307.8
77.5	208.6	255.8	329.7	383.4	403.0	389.0	337.8	265.3	205.0	268.9	353.0	412.8	430.4	405.9	343.6	255.2
80.0	152.2	207.8	283.8	338.8	357.3	342.9	292.2	216.5	148.9	220.0	306.4	366.3	383.8	360.6	297.3	207.0
82.5	100.8	162.4	240.9	295.5	314.8	299.0	248.2	170.9	98.4	174.2	262.6	322.6	340.3	317.6	253.9	163.4
85.0	57.5	122.8	201.5	256.6	276.2	259.7	208.6	130.7	56.0	133.0	222.3	282.7	301.6	278.1	214.6	124.7
87.5	26.2	90.9	169.2	224.9	244.1	227.6	175.6	97.5	25.8	99.1	187.9	248.5	268.2	244.4	181.1	93.2
90.0	13.1	69.1	146.6	201.7	220.8	203.5	151.4	74.4	14.1	76.1	163.0	223.1	243.1	219.6	157.7	72.7
92.5	10.9	54.1	129.6	183.7	203.0	185.5	133.9	59.2	11.8	60.1	144.4	204.2	223.9	201.0	139.7	57.6
95.0	9.1	40.9	113.0	166.6	185.7	168.4	117.0	45.8	10.0	45.6	126.4	185.6	204.5	182.4	122.3	44.0
97.5	7.5	29.5	97.3	150.3	168.7	151.7	101.3	34.0	9.0	33.6	109.6	167.0	186.0	164.4	105.9	32.3
100.0	6.4	20.1	82.4	133.8	152.1	135.4	86.3	24.0	8.1	23.8	93.5	148.6	167.6	146.5	90.1	22.5
102.5	5.5	12.8	68.3	117.6	135.7	118.9	72.1	16.1	7.4	15.9	78.2	131.0	149.3	129.3	75.3	14.6
105.0	4.7	7.6	54.9	101.8	119.3	103.0	58.5	10.4	6.8	10.4	63.8	114.1	131.7	112.4	61.1	9.0
107.5	4.1	4.7	42.5	86.3	103.0	87.5	45.9	6.8	6.4	7.3	50.4	97.5	114.5	95.9	47.8	5.7
110.0	3.6	4.0	31.3	71.4	87.3	73.0	34.8	5.7	5.5	6.4	37.9	81.1	97.3	79.8	35.6	4.7
112.5	3.1	3.5	21.7	57.3	72.3	59.0	24.8	5.2	5.0	5.6	26.5	65.0	80.2	64.2	24.6	4.0
115.0	2.7	3.0	13.9	44.3	58.2	45.8	16.6	4.8	4.6	5.0	17.5	50.3	63.9	49.4	15.8	3.4
117.5	2.6	2.7	7.7	32.7	45.0	34.2	10.1	4.4	4.2	4.5	10.6	37.7	49.6	36.7	9.1	3.0
120.0	2.5	2.6	3.5	22.4	32.9	24.0	5.4	4.1	4.0	4.2	5.6	26.4	36.7	25.6	4.3	2.9
122.5	2.6	2.5	2.6	14.0	22.4	15.4	3.7	3.8	3.7	3.8	4.1	17.2	25.3	16.2	2.9	2.8
125.0	2.6	2.6	2.5	7.4	13.9	8.5	3.4	3.6	3.2	3.3	3.4	9.3	15.6	8.5	2.4	2.6
127.5	2.7	2.7	2.5	3.0	7.2	3.7	3.3	3.4	3.1	3.1	3.2	4.0	8.0	3.3	2.5	2.7
130.0	2.9	2.8	2.6	2.4	2.8	2.7	3.1	3.4	3.2	3.3	3.2	2.9	3.3	2.4	2.8	3.0
132.5	3.0	3.0	2.7	2.5	2.2	2.6	3.1	3.4	2.9	2.9	2.8	2.4	2.0	2.1	2.5	2.8

A.L.P.-LEXALITE

Test Report Number: 05753
Test Item Number: SENTRY ELITE 4'

Candela Table (cd)

	360.0
0.0	1480.3
2.5	1479.5
5.0	1474.3
7.5	1465.0
10.0	1453.0
12.5	1437.4
15.0	1418.6
17.5	1396.7
20.0	1372.3
22.5	1345.2
25.0	1314.2
27.5	1279.9
30.0	1243.7
32.5	1206.3
35.0	1165.1
37.5	1121.0
40.0	1073.7
42.5	1025.3
45.0	976.9
47.5	925.5
50.0	870.6
52.5	814.4
55.0	757.4
57.5	698.2
60.0	637.8
62.5	577.2
65.0	515.6
67.5	453.3
70.0	390.7
72.5	328.8
75.0	267.9
77.5	208.6
80.0	152.2
82.5	100.8
85.0	57.5
87.5	26.2
90.0	13.1
92.5	10.9
95.0	9.1
97.5	7.5
100.0	6.4
102.5	5.5
105.0	4.7
107.5	4.1
110.0	3.6
112.5	3.1
115.0	2.7
117.5	2.6
120.0	2.5
122.5	2.6
125.0	2.6
127.5	2.7
130.0	2.9
132.5	3.0

Test Report Number: 05753
 Test Item Number: SENTRY ELITE 4'

Candela Table (cd)

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5	225.0	247.5	270.0	292.5	315.0	337.5
135.0	3.1	3.0	2.9	2.5	2.3	2.6	3.1	3.4	2.7	2.7	2.5	2.1	1.8	2.0	2.4	2.7
137.5	3.2	3.1	3.0	2.6	2.4	2.7	3.1	3.4	2.8	2.7	2.6	2.1	1.8	2.2	2.5	2.7
140.0	3.4	3.2	3.1	2.8	2.5	2.8	3.2	3.5	2.9	2.8	2.6	2.2	2.0	2.2	2.6	2.9
142.5	3.4	3.3	3.2	2.9	2.6	2.9	3.3	3.6	3.0	2.9	2.7	2.3	2.1	2.3	2.7	3.0
145.0	3.5	3.5	3.2	2.9	2.7	3.0	3.4	3.7	3.0	3.0	2.8	2.4	2.2	2.4	2.8	3.1
147.5	3.6	3.5	3.3	3.0	2.8	3.0	3.4	3.7	3.1	3.1	2.8	2.4	2.2	2.5	2.9	3.1
150.0	3.7	3.6	3.4	3.1	2.9	3.1	3.5	3.8	3.2	3.1	2.9	2.6	2.3	2.6	3.0	3.2
152.5	3.7	3.7	3.4	3.2	3.0	3.2	3.6	3.9	3.4	3.3	3.0	2.7	2.5	2.7	3.1	3.4
155.0	3.8	3.8	3.6	3.3	3.0	3.3	3.7	4.0	3.4	3.4	3.1	2.8	2.5	2.8	3.2	3.4
157.5	3.9	3.8	3.6	3.3	3.1	3.4	3.7	4.0	3.5	3.5	3.2	2.9	2.6	2.9	3.3	3.5
160.0	4.0	3.9	3.6	3.4	3.1	3.5	3.8	4.0	3.4	3.5	3.3	3.0	2.8	3.0	3.3	3.5
162.5	3.9	3.9	3.7	3.4	3.2	3.5	3.8	4.1	3.5	3.5	3.4	3.1	2.8	3.0	3.4	3.6
165.0	3.9	4.0	3.8	3.4	3.3	3.6	3.9	4.1	3.5	3.6	3.4	3.2	2.9	3.1	3.5	3.7
167.5	3.8	3.9	3.8	3.5	3.3	3.6	3.9	4.1	3.6	3.6	3.5	3.3	3.0	3.2	3.5	3.9
170.0	3.9	4.0	3.8	3.5	3.4	3.7	4.0	4.1	3.7	3.8	3.6	3.3	3.1	3.3	3.6	3.8
172.5	3.9	4.0	3.9	3.5	3.5	3.7	3.9	4.1	3.7	3.7	3.7	3.5	3.2	3.4	3.8	3.9
175.0	3.9	3.9	3.7	3.5	3.4	3.6	3.9	4.0	3.7	3.8	3.6	3.5	3.3	3.4	3.7	3.9
177.5	3.8	3.8	3.7	3.4	3.3	3.5	3.7	3.9	3.8	3.7	3.6	3.3	3.2	3.3	3.7	3.9
180.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6

A.L.P.-LEXALITE

Test Report Number: 05753
Test Item Number: SENTRY ELITE 4'

Candela Table (cd)

	360.0
135.0	3.1
137.5	3.2
140.0	3.4
142.5	3.4
145.0	3.5
147.5	3.6
150.0	3.7
152.5	3.7
155.0	3.8
157.5	3.9
160.0	4.0
162.5	3.9
165.0	3.9
167.5	3.8
170.0	3.9
172.5	3.9
175.0	3.9
177.5	3.8
180.0	3.6