

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P200911

Luminaire Tested: **WKP4BLEDEDGL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P184288)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: WKP4BLEDEDGL
Description: STREETWORKS WALPAK GLASS

Light Source: EATON LED 5000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4199 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 0.38' x H: 0.46')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



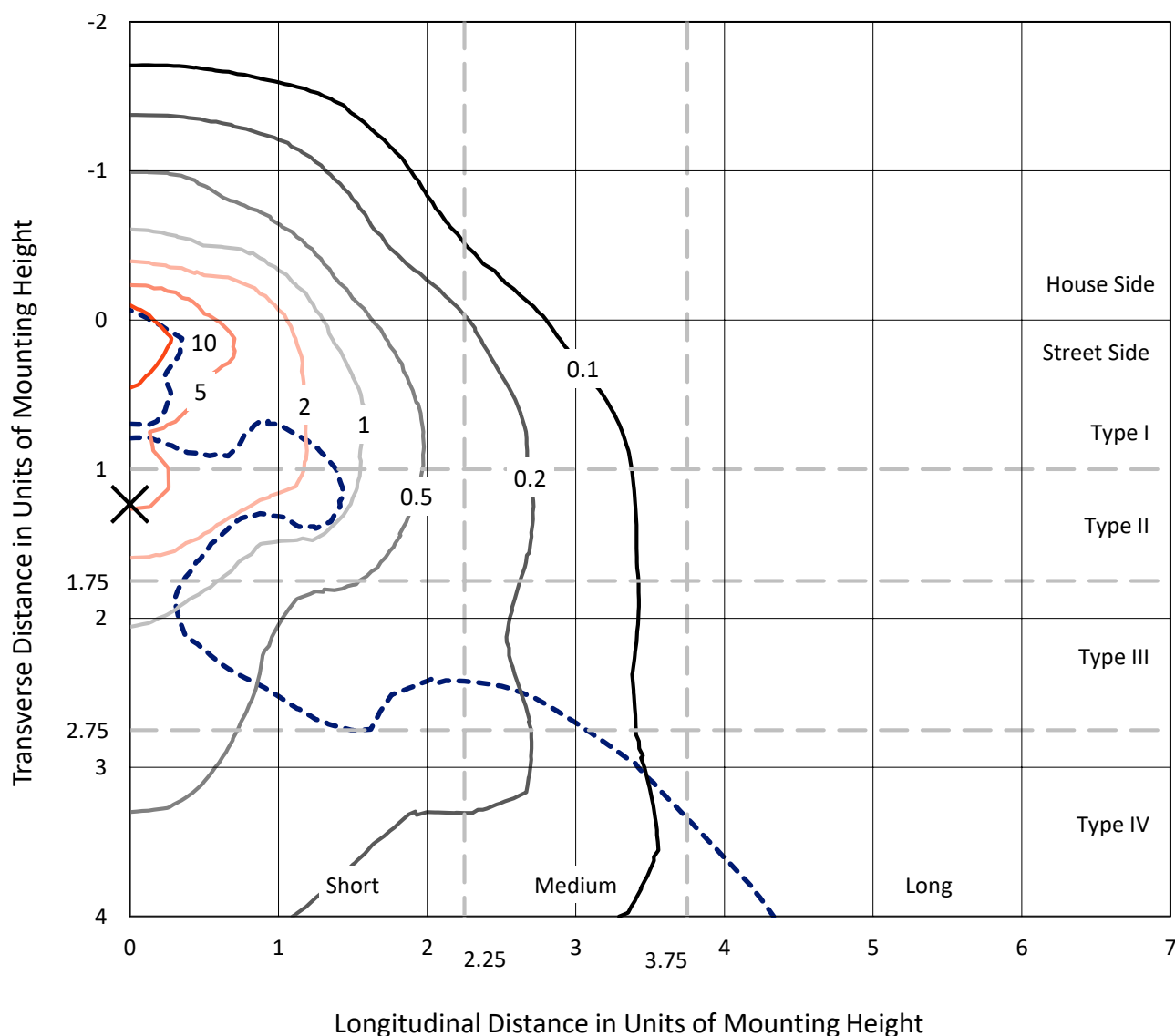
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

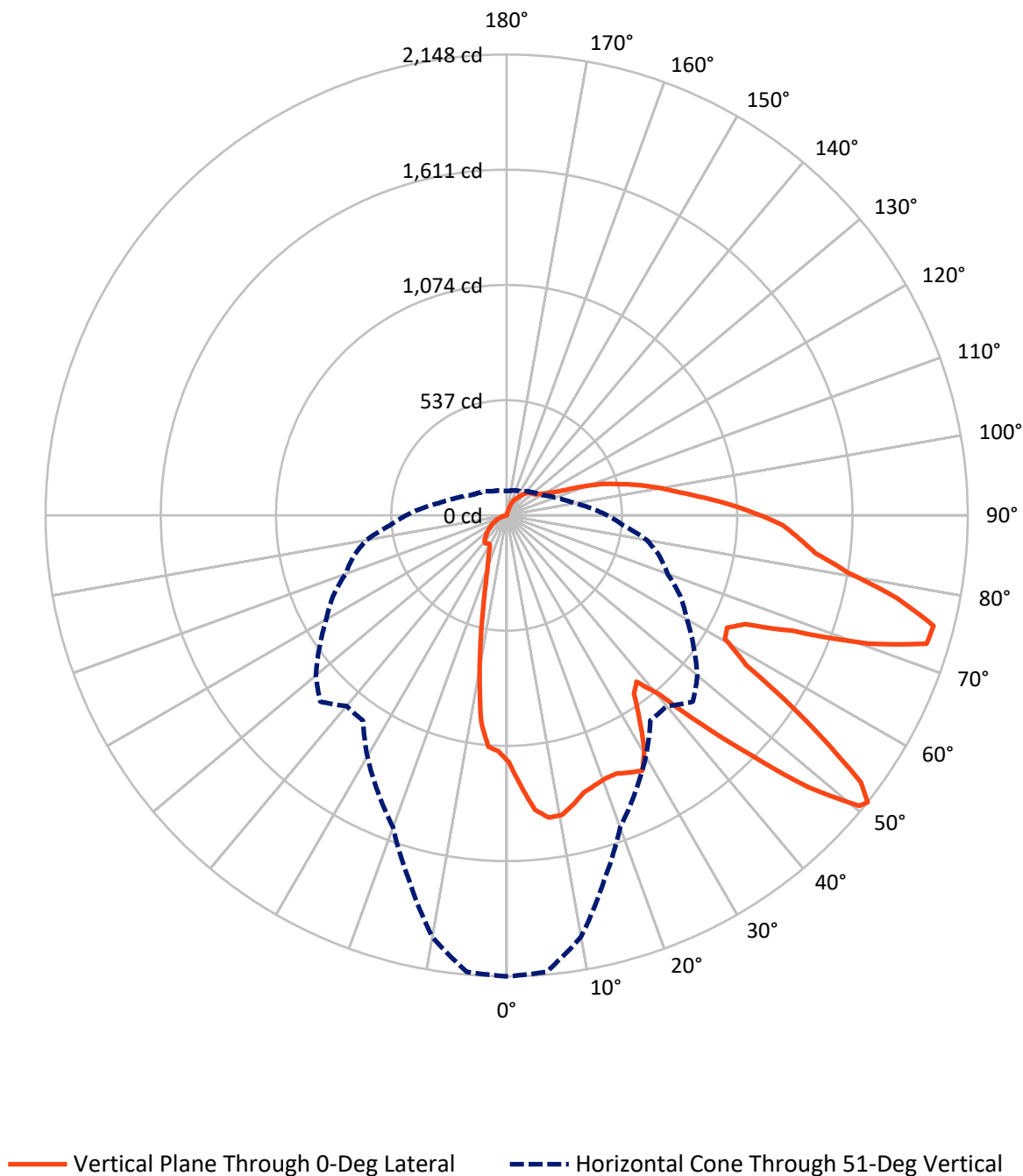


Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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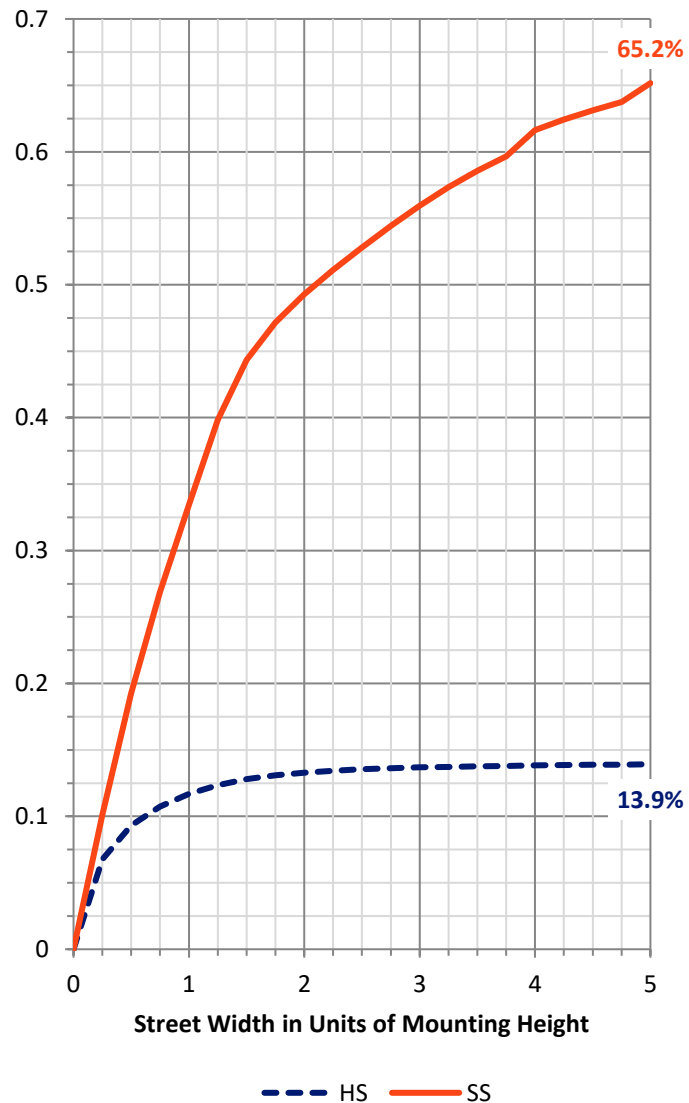
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	593.0	31.0	624.0
	% Fixture	14.1	0.7	14.9
Street Side	Lumens	2984.3	590.7	3575.0
	% Fixture	71.1	14.1	85.1
Total	Lumens	3577.2	621.7	4199.0
	% Fixture	85.2	14.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	2.6
10°-20°	261.7	6.2
20°-30°	331.0	7.9
30°-40°	389.1	9.3
40°-50°	505.3	12.0
50°-60°	560.3	13.3
60°-70°	460.8	11.0
70°-80°	563.3	13.4
80°-90°	395.4	9.4
90°-100°	242.2	5.8
100°-110°	154.1	3.7
110°-120°	90.3	2.2
120°-130°	60.9	1.5
130°-140°	41.4	1.0
140°-150°	22.4	0.5
150°-160°	8.8	0.2
160°-170°	1.5	0.0
170°-180°	0.1	0.0
0°-90°	3577.2	85.2
0°-180°	4199.0	100.0

Coefficient of Utilization



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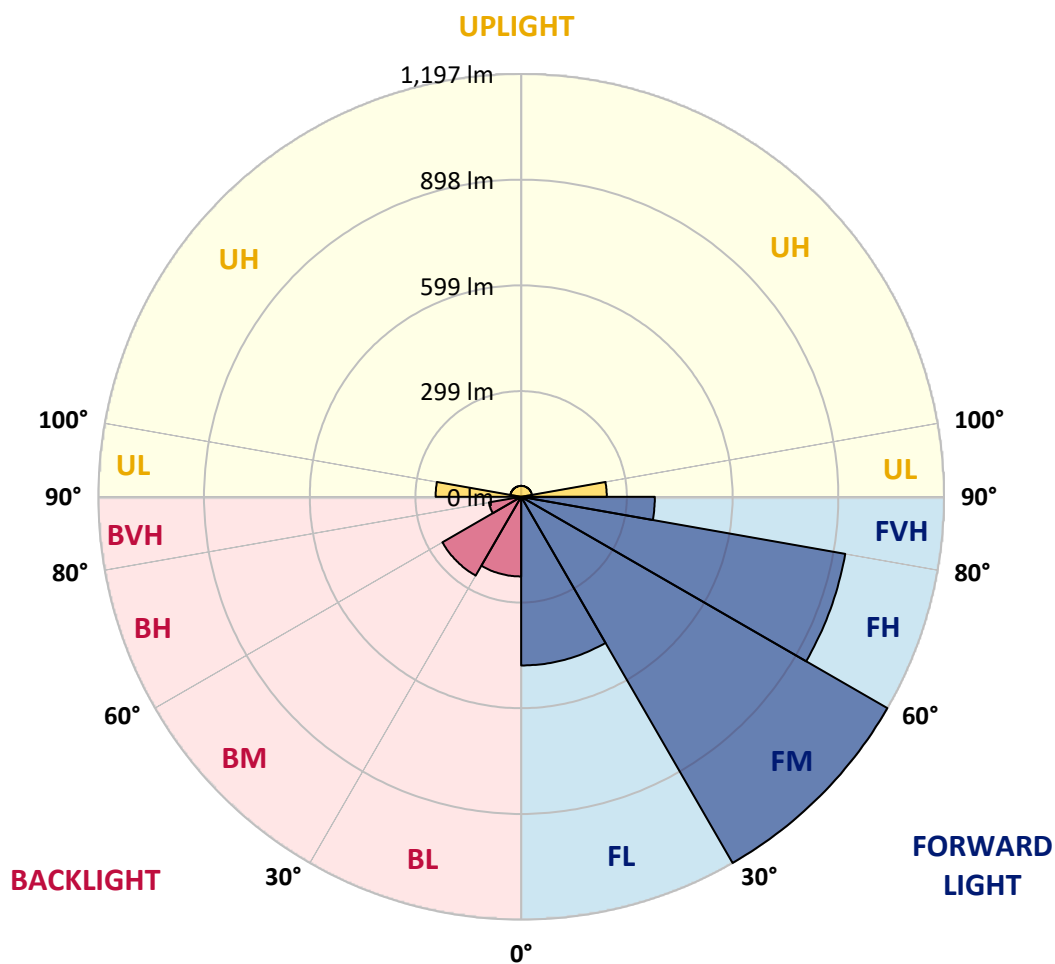
CATALOG NUMBER: WKP4BLEDEDGL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	477.5	11.4			
FM	(30°-60°)	1197.0	28.5			
FH	(60°-80°)	931.5	22.2			G1/1800
FVH	(80°-90°)	378.3	9.0			G3/500
BL	(0°-30°)	225.5	5.4	B1/500		
BM	(30°-60°)	257.6	6.1	B1/1000		
BH	(60°-80°)	92.7	2.2	B0/110		G0/110
BVH	(80°-90°)	17.2	0.4			G1/100
UL	(90°-100°)	242.2	5.8		U3/500	
UH	(100°-180°)	31.0	0.7		U2/50	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8
2.5°	1260.9	1265.9	1257.9	1254.8	1260.9	1251.8	1246.8	1247.8	1239.7	1233.6	1223.5
5°	1378.0	1381.0	1376.0	1373.9	1375.0	1366.9	1356.8	1350.7	1337.6	1325.5	1306.3
7.5°	1422.4	1425.4	1425.4	1422.4	1420.4	1413.3	1409.3	1397.2	1380.0	1363.8	1336.6
10°	1419.4	1413.3	1414.3	1420.4	1418.4	1413.3	1403.2	1392.1	1371.9	1349.7	1317.4
12.5°	1382.0	1369.9	1375.0	1379.0	1379.0	1372.9	1363.8	1350.7	1328.5	1305.3	1275.0
15°	1341.6	1336.6	1337.6	1336.6	1326.5	1316.4	1301.3	1281.1	1258.9	1250.8	1239.7
17.5°	1323.5	1317.4	1307.3	1295.2	1275.0	1249.8	1221.5	1200.3	1187.2	1189.2	1195.3
20°	1309.3	1300.3	1283.1	1266.9	1234.6	1188.2	1146.8	1119.6	1106.4	1111.5	1135.7
22.5°	1307.3	1302.3	1281.1	1255.8	1206.4	1143.8	1092.3	1058.0	1041.8	1042.8	1058.0
25°	1327.5	1329.5	1309.3	1272.0	1201.3	1125.6	1067.1	1022.7	997.4	988.3	983.3
27.5°	1346.7	1345.7	1339.6	1297.2	1210.4	1121.6	1049.9	1000.5	962.1	936.9	931.8
30°	1263.9	1273.0	1285.1	1257.9	1188.2	1113.5	1042.8	982.3	933.8	897.5	885.4
32.5°	1137.7	1148.8	1180.1	1156.9	1104.4	1065.1	1025.7	973.2	918.7	875.3	845.0
35°	1021.7	1034.8	1059.0	1047.9	995.4	978.2	966.1	938.9	904.6	864.2	828.7
37.5°	983.3	989.3	992.4	955.0	908.6	889.4	892.4	884.4	873.3	856.1	843.0
40°	1095.3	1099.4	1075.2	991.4	912.6	874.3	870.2	867.2	860.1	858.1	883.4
42.5°	1329.5	1341.6	1307.3	1173.1	1031.7	947.0	905.6	883.4	872.3	894.5	939.9
45°	1587.9	1608.1	1553.6	1393.1	1215.5	1079.2	998.4	936.9	936.9	963.1	997.4
47.5°	1893.8	1902.9	1801.9	1598.0	1406.2	1247.8	1122.6	1038.8	1029.7	1066.1	1058.0
50°	2129.0	2121.9	1987.7	1741.4	1533.4	1393.1	1252.8	1132.7	1126.6	1193.3	1126.6
51°	2148.2	2135.1	1994.7	1758.5	1546.6	1420.4	1297.2	1167.0	1159.9	1227.6	1159.9
52.5°	2066.4	2064.4	1921.1	1704.0	1515.3	1417.3	1314.4	1196.3	1184.2	1285.1	1204.4
55°	1699.0	1690.9	1611.2	1448.6	1324.5	1249.8	1222.5	1203.3	1214.5	1324.5	1250.8
57.5°	1316.4	1318.4	1276.0	1181.1	1087.3	1018.6	991.4	1090.3	1211.4	1315.4	1233.6
60°	1168.0	1165.0	1106.4	1026.7	950.0	855.1	806.5	911.6	1128.7	1209.4	1158.9
62.5°	1152.9	1130.7	1044.9	948.0	877.3	787.4	717.7	780.3	1027.7	1056.0	1037.8
65°	1220.5	1180.1	1057.0	947.0	858.1	761.1	684.4	700.5	879.3	908.6	889.4
67.5°	1434.5	1391.1	1220.5	1066.1	935.8	809.6	711.7	708.6	782.3	802.5	784.3
70°	1791.9	1745.4	1513.2	1296.2	1139.8	959.1	848.0	853.1	837.9	779.3	751.0
72.5°	2046.2	2012.9	1758.5	1534.4	1338.6	1155.9	1050.9	1125.6	1074.1	904.6	796.4
75°	2054.3	2019.0	1791.9	1618.2	1433.5	1287.1	1214.5	1407.3	1451.7	1195.3	886.4
77.5°	1860.5	1813.0	1626.3	1522.3	1368.9	1261.9	1216.5	1476.9	1620.2	1407.3	952.0
80°	1611.2	1574.8	1419.4	1352.7	1210.4	1115.5	1062.0	1237.7	1412.3	1284.1	882.3
82.5°	1449.7	1426.4	1291.2	1203.3	1049.9	938.9	872.3	945.9	1024.7	967.1	720.7
85°	1365.9	1330.5	1197.3	1079.2	919.7	805.5	739.9	764.1	772.2	699.5	586.5
87.5°	1287.1	1241.7	1095.3	959.1	813.6	705.6	652.1	670.3	650.1	575.4	505.7
90°	1155.9	1106.4	963.1	838.9	715.7	620.8	578.4	595.6	564.3	502.7	449.2
92.5°	1029.7	982.3	857.1	744.0	634.9	556.2	519.9	530.0	506.7	454.2	416.9
95°	904.6	864.2	760.1	670.3	573.4	503.7	479.5	479.5	460.3	415.9	395.7
97.5°	796.4	768.2	682.4	606.7	521.9	458.3	435.1	435.1	411.9	380.6	376.5
100°	712.7	687.4	612.7	542.1	470.4	416.9	394.7	392.7	369.5	347.2	352.3
102.5°	628.9	604.7	538.0	476.5	417.9	375.5	355.3	343.2	327.1	319.0	326.0
105°	546.1	525.9	468.4	414.9	368.4	334.1	308.9	297.8	289.7	291.7	299.8
107.5°	474.4	455.3	404.8	359.4	321.0	287.7	261.4	257.4	259.4	267.5	275.6



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CATALOG NUMBER: WKP4BLEDEDGL

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	389.6	376.5	338.2	300.8	268.5	242.3	224.1	225.1	234.2	246.3	249.3
112.5°	307.9	300.8	274.6	247.3	226.1	207.9	197.8	202.9	213.0	227.1	221.1
115°	254.4	250.3	233.2	215.0	201.9	188.8	181.7	184.7	194.8	206.9	194.8
117.5°	222.1	220.1	209.0	195.8	185.7	176.7	169.6	170.6	181.7	188.8	177.7
120°	199.9	198.9	189.8	182.7	173.6	166.6	160.5	159.5	169.6	171.6	170.6
122.5°	182.7	183.7	179.7	173.6	165.5	158.5	152.4	152.4	159.5	167.6	163.5
125°	169.6	170.6	167.6	163.5	155.5	149.4	146.4	146.4	153.4	164.5	155.5
127.5°	159.5	160.5	158.5	154.4	148.4	144.3	142.3	142.3	148.4	157.5	151.4
130°	157.5	157.5	155.5	151.4	144.3	141.3	138.3	138.3	142.3	149.4	144.3
132.5°	152.4	151.4	149.4	146.4	141.3	136.3	133.2	132.2	135.3	136.3	133.2
135°	148.4	146.4	142.3	140.3	134.3	130.2	126.2	125.2	125.2	124.2	120.1
137.5°	141.3	139.3	136.3	133.2	128.2	124.2	121.1	118.1	115.1	112.0	106.0
140°	130.2	129.2	128.2	127.2	122.1	118.1	113.1	109.0	105.0	99.9	92.9
142.5°	118.1	118.1	118.1	116.1	113.1	109.0	104.0	98.9	93.9	87.8	80.8
145°	108.0	108.0	107.0	104.0	100.9	97.9	93.9	88.8	82.8	76.7	68.6
147.5°	98.9	98.9	97.9	94.9	91.9	87.8	83.8	78.7	72.7	66.6	57.5
150°	89.8	89.8	87.8	85.8	82.8	78.7	73.7	68.6	62.6	54.5	43.4
152.5°	81.8	80.8	79.7	77.7	74.7	70.7	65.6	58.5	50.5	41.4	33.3
155°	72.7	72.7	71.7	69.7	65.6	60.6	54.5	46.4	38.4	30.3	21.2
157.5°	61.6	60.6	59.6	56.5	52.5	47.4	40.4	33.3	25.2	18.2	12.1
160°	44.4	43.4	41.4	39.4	35.3	30.3	25.2	17.2	13.1	9.1	7.1
162.5°	24.2	23.2	22.2	20.2	17.2	13.1	11.1	8.1	7.1	5.0	3.0
165°	8.1	8.1	8.1	8.1	7.1	6.1	5.0	4.0	3.0	3.0	3.0
167.5°	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0
170°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8
2.5°	1211.4	1201.3	1192.2	1182.2	1171.0	1165.0	1154.9	1146.8	1137.7	1122.6	1118.6
5°	1286.1	1261.9	1239.7	1210.4	1185.2	1164.0	1142.8	1125.6	1108.5	1093.3	1086.3
7.5°	1310.3	1278.0	1248.8	1208.4	1169.0	1130.7	1096.3	1067.1	1045.9	1030.7	1025.7
10°	1283.1	1244.7	1205.4	1163.0	1120.6	1079.2	1041.8	1006.5	984.3	972.2	968.2
12.5°	1245.7	1215.5	1179.1	1136.7	1092.3	1044.9	999.4	962.1	937.9	922.7	921.7
15°	1225.6	1202.3	1176.1	1130.7	1079.2	1025.7	967.1	921.7	894.5	878.3	872.3
17.5°	1201.3	1190.2	1159.9	1112.5	1051.9	995.4	927.8	875.3	849.0	835.9	819.7
20°	1152.9	1152.9	1122.6	1077.2	1018.6	949.0	882.3	826.7	800.5	783.3	752.0
22.5°	1069.1	1079.2	1078.2	1042.8	989.3	917.7	849.0	791.4	762.1	738.9	691.5
25°	991.4	1009.5	1025.7	1006.5	959.1	884.4	813.6	758.1	725.8	692.5	630.9
27.5°	928.8	945.9	962.1	964.1	927.8	866.2	796.4	745.0	713.7	665.2	590.5
30°	878.3	883.4	919.7	951.0	935.8	881.3	814.6	758.1	726.8	669.3	579.4
32.5°	837.9	862.2	909.6	962.1	963.1	910.6	845.0	791.4	750.0	680.4	572.4
35°	829.8	856.1	908.6	971.2	982.3	927.8	863.2	803.5	749.0	663.2	545.1
37.5°	850.0	864.2	907.6	971.2	987.3	935.8	866.2	787.4	716.7	612.7	498.7
40°	891.4	883.4	916.7	968.2	981.3	938.9	848.0	755.1	664.2	546.1	437.1
42.5°	941.9	916.7	932.8	961.1	967.1	909.6	808.6	711.7	603.6	483.5	387.6
45°	997.4	962.1	941.9	939.9	933.8	864.2	756.1	655.1	547.1	437.1	355.3
47.5°	1038.8	983.3	922.7	877.3	853.1	784.3	673.3	578.4	480.5	391.7	326.0
50°	1054.0	979.3	896.5	815.6	765.2	694.5	585.5	498.7	417.9	343.2	291.7
51°	1063.0	970.2	893.5	798.5	738.9	663.2	548.1	468.4	391.7	324.0	276.6
52.5°	1079.2	961.1	886.4	784.3	704.6	616.8	502.7	426.0	357.3	294.8	258.4
55°	1081.2	944.9	872.3	770.2	667.2	556.2	449.2	379.5	313.9	262.5	228.1
57.5°	1087.3	925.8	852.1	765.2	641.0	517.8	418.9	352.3	289.7	238.2	204.9
60°	1042.8	868.2	802.5	732.9	600.6	483.5	403.8	345.2	279.6	220.1	185.7
62.5°	948.0	797.5	732.9	673.3	555.2	463.3	391.7	334.1	271.5	206.9	168.6
65°	830.8	753.0	688.4	615.8	521.9	443.1	376.5	318.0	248.3	185.7	156.5
67.5°	737.9	724.8	678.3	576.4	512.8	429.0	353.3	298.8	221.1	165.5	143.3
70°	715.7	708.6	659.2	551.2	503.7	421.9	332.1	268.5	188.8	153.4	129.2
72.5°	736.9	689.4	611.7	535.0	481.5	404.8	306.9	220.1	159.5	132.2	116.1
75°	764.1	679.4	586.5	526.9	469.4	395.7	281.6	178.7	140.3	111.0	105.0
77.5°	764.1	669.3	591.5	518.9	454.2	388.6	249.3	150.4	115.1	96.9	94.9
80°	689.4	616.8	561.2	492.6	438.1	349.3	214.0	134.3	92.9	84.8	86.8
82.5°	565.3	525.9	486.5	445.2	413.9	290.7	174.6	112.0	76.7	75.7	77.7
85°	462.3	461.3	424.0	379.5	357.3	239.2	143.3	78.7	64.6	65.6	68.6
87.5°	406.8	411.9	376.5	329.1	287.7	196.8	119.1	63.6	54.5	56.5	59.6
90°	381.6	376.5	337.2	287.7	225.1	154.4	81.8	52.5	48.5	49.5	50.5
92.5°	364.4	354.3	307.9	249.3	188.8	132.2	73.7	45.4	43.4	43.4	44.4
95°	346.2	335.1	281.6	209.0	157.5	102.0	61.6	43.4	41.4	40.4	40.4
97.5°	335.1	310.9	249.3	180.7	141.3	90.8	55.5	42.4	39.4	38.4	38.4
100°	314.9	292.7	219.0	166.6	123.2	81.8	55.5	42.4	38.4	36.3	36.3
102.5°	293.7	264.5	195.8	155.5	110.0	76.7	55.5	43.4	37.3	35.3	35.3
105°	270.5	233.2	181.7	146.4	104.0	74.7	55.5	42.4	37.3	34.3	33.3
107.5°	241.3	204.9	171.6	130.2	99.9	75.7	54.5	41.4	36.3	33.3	31.3



REPORT NUMBER: P200911

CATALOG NUMBER: WKP4BLEDEDGL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
110°	215.0	188.8	162.5	121.1	97.9	75.7	51.5	40.4	35.3	32.3	30.3
112.5°	190.8	178.7	144.3	114.1	93.9	72.7	49.5	39.4	34.3	30.3	28.3
115°	180.7	166.6	131.2	110.0	90.8	68.6	47.4	38.4	32.3	29.3	26.2
117.5°	175.6	151.4	123.2	105.0	85.8	61.6	44.4	36.3	30.3	27.3	23.2
120°	158.5	138.3	119.1	99.9	78.7	54.5	40.4	33.3	28.3	24.2	21.2
122.5°	147.4	132.2	115.1	93.9	71.7	49.5	37.3	30.3	26.2	22.2	19.2
125°	142.3	128.2	109.0	86.8	64.6	45.4	34.3	28.3	24.2	20.2	18.2
127.5°	137.3	120.1	100.9	80.8	58.5	40.4	30.3	25.2	22.2	19.2	16.2
130°	129.2	113.1	93.9	73.7	52.5	36.3	26.2	22.2	20.2	17.2	15.1
132.5°	120.1	105.0	86.8	65.6	46.4	30.3	23.2	20.2	18.2	15.1	13.1
135°	110.0	94.9	78.7	57.5	38.4	25.2	21.2	18.2	16.2	14.1	12.1
137.5°	97.9	84.8	67.6	46.4	30.3	22.2	19.2	16.2	15.1	12.1	10.1
140°	85.8	73.7	55.5	36.3	24.2	20.2	17.2	15.1	13.1	11.1	9.1
142.5°	73.7	60.6	44.4	28.3	19.2	16.2	14.1	13.1	12.1	10.1	8.1
145°	59.6	47.4	34.3	22.2	15.1	13.1	12.1	11.1	10.1	8.1	7.1
147.5°	46.4	35.3	23.2	15.1	12.1	11.1	11.1	10.1	9.1	7.1	6.1
150°	34.3	23.2	15.1	10.1	9.1	9.1	9.1	9.1	8.1	6.1	5.0
152.5°	22.2	14.1	9.1	7.1	7.1	8.1	8.1	7.1	7.1	5.0	4.0
155°	13.1	9.1	5.0	5.0	6.1	6.1	7.1	6.1	6.1	5.0	4.0
157.5°	8.1	4.0	3.0	4.0	4.0	5.0	6.1	6.1	6.1	5.0	4.0
160°	4.0	3.0	3.0	4.0	4.0	5.0	6.1	6.1	6.1	5.0	4.0
162.5°	3.0	3.0	3.0	4.0	4.0	5.0	6.1	6.1	6.1	5.0	4.0
165°	3.0	3.0	3.0	4.0	4.0	5.0	6.1	6.1	6.1	5.0	5.0
167.5°	3.0	3.0	3.0	4.0	5.0	5.0	6.1	6.1	6.1	5.0	4.0
170°	3.0	3.0	3.0	4.0	4.0	5.0	6.1	6.1	6.1	5.0	4.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P200911

CATALOG NUMBER: WKP4BLEDEDGL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8	1148.8
2.5°	1112.5	1105.4	1103.4	1098.4	1095.3	1091.3	1093.3	1094.3	1093.3	1095.3	1095.3
5°	1078.2	1078.2	1080.2	1079.2	1083.2	1080.2	1081.2	1080.2	1078.2	1080.2	1079.2
7.5°	1024.7	1035.8	1041.8	1043.9	1040.8	1033.8	1027.7	1023.7	1011.6	1007.5	991.4
10°	971.2	972.2	972.2	959.1	944.9	925.8	902.5	876.3	855.1	830.8	808.6
12.5°	916.7	903.5	885.4	852.1	808.6	766.2	727.8	690.5	662.2	647.0	615.8
15°	851.1	817.6	775.2	724.8	663.2	609.7	565.3	531.0	502.7	488.6	464.3
17.5°	783.3	726.8	671.3	603.6	535.0	481.5	441.1	407.8	385.6	371.5	357.3
20°	698.5	627.9	563.3	495.6	432.0	384.6	348.3	324.0	305.9	294.8	287.7
22.5°	621.8	540.0	469.4	405.8	355.3	318.0	289.7	268.5	255.4	245.3	240.2
25°	557.2	467.4	394.7	339.2	301.8	271.5	250.3	233.2	222.1	215.0	207.9
27.5°	498.7	403.8	341.2	294.8	261.4	240.2	223.1	210.0	198.9	189.8	182.7
30°	466.4	364.4	301.8	260.4	234.2	217.0	202.9	189.8	180.7	170.6	163.5
32.5°	448.2	344.2	278.6	239.2	215.0	197.8	185.7	174.6	165.5	156.5	153.4
35°	426.0	331.1	267.5	229.1	201.9	183.7	173.6	160.5	155.5	150.4	151.4
37.5°	394.7	317.0	265.5	225.1	194.8	175.6	161.5	153.4	149.4	150.4	154.4
40°	362.4	303.8	258.4	222.1	195.8	170.6	155.5	148.4	150.4	154.4	157.5
42.5°	327.1	282.6	246.3	215.0	191.8	166.6	151.4	148.4	151.4	155.5	158.5
45°	301.8	260.4	227.1	202.9	182.7	162.5	150.4	148.4	149.4	152.4	152.4
47.5°	278.6	239.2	211.0	188.8	173.6	160.5	150.4	145.4	144.3	142.3	138.3
50°	251.3	222.1	195.8	178.7	167.6	157.5	148.4	141.3	134.3	130.2	127.2
51°	242.3	214.0	189.8	175.6	165.5	154.4	147.4	138.3	130.2	126.2	123.2
52.5°	228.1	202.9	182.7	171.6	162.5	152.4	144.3	134.3	125.2	121.1	117.1
55°	204.9	185.7	173.6	162.5	155.5	146.4	137.3	127.2	119.1	112.0	105.0
57.5°	182.7	170.6	161.5	152.4	146.4	138.3	129.2	119.1	109.0	100.9	94.9
60°	165.5	156.5	150.4	141.3	136.3	129.2	122.1	109.0	98.9	92.9	86.8
62.5°	152.4	143.3	139.3	131.2	125.2	121.1	112.0	99.9	90.8	83.8	75.7
65°	140.3	133.2	129.2	122.1	115.1	110.0	100.9	89.8	80.8	70.7	63.6
67.5°	130.2	125.2	120.1	112.0	104.0	96.9	88.8	78.7	67.6	58.5	52.5
70°	120.1	117.1	111.0	100.9	91.9	83.8	76.7	65.6	55.5	46.4	42.4
72.5°	110.0	108.0	100.9	89.8	78.7	70.7	63.6	53.5	43.4	36.3	32.3
75°	102.0	98.9	89.8	78.7	66.6	58.5	50.5	41.4	33.3	26.2	23.2
77.5°	91.9	88.8	79.7	66.6	55.5	45.4	38.4	31.3	23.2	16.2	12.1
80°	83.8	78.7	69.7	57.5	45.4	34.3	27.3	20.2	12.1	6.1	3.0
82.5°	74.7	68.6	61.6	49.5	35.3	25.2	19.2	13.1	7.1	3.0	3.0
85°	64.6	59.6	53.5	42.4	29.3	20.2	15.1	10.1	5.0	3.0	2.0
87.5°	56.5	52.5	47.4	36.3	25.2	17.2	13.1	8.1	4.0	2.0	2.0
90°	48.5	45.4	40.4	30.3	21.2	15.1	11.1	7.1	4.0	2.0	2.0
92.5°	42.4	39.4	33.3	26.2	19.2	13.1	9.1	6.1	3.0	2.0	2.0
95°	38.4	34.3	28.3	23.2	17.2	12.1	8.1	5.0	3.0	2.0	2.0
97.5°	35.3	30.3	24.2	20.2	15.1	11.1	7.1	4.0	2.0	2.0	2.0
100°	33.3	28.3	22.2	18.2	13.1	10.1	6.1	3.0	2.0	2.0	2.0
102.5°	32.3	26.2	20.2	16.2	12.1	9.1	6.1	3.0	2.0	2.0	2.0
105°	30.3	24.2	19.2	15.1	12.1	8.1	5.0	2.0	2.0	2.0	1.0
107.5°	28.3	22.2	17.2	14.1	11.1	7.1	4.0	2.0	2.0	1.0	1.0



REPORT NUMBER: P200911
CATALOG NUMBER: WKP4BLEDEDGL

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
110°	25.2	20.2	16.2	13.1	10.1	6.1	3.0	2.0	2.0	1.0	1.0	0°
112.5°	23.2	19.2	15.1	13.1	9.1	6.1	3.0	2.0	2.0	1.0	1.0	2.5°
115°	22.2	18.2	15.1	12.1	9.1	5.0	3.0	2.0	2.0	2.0	2.0	5°
117.5°	20.2	16.2	14.1	11.1	8.1	5.0	3.0	2.0	2.0	2.0	2.0	7.5°
120°	18.2	15.1	13.1	10.1	7.1	4.0	2.0	2.0	2.0	2.0	2.0	10°
122.5°	17.2	14.1	12.1	9.1	6.1	4.0	2.0	2.0	2.0	2.0	2.0	12.5°
125°	15.1	13.1	10.1	8.1	5.0	3.0	2.0	2.0	2.0	2.0	2.0	15°
127.5°	14.1	12.1	9.1	7.1	5.0	3.0	2.0	2.0	2.0	2.0	2.0	17.5°
130°	13.1	10.1	8.1	6.1	4.0	3.0	2.0	2.0	2.0	2.0	2.0	20°
132.5°	11.1	9.1	7.1	5.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	22.5°
135°	10.1	8.1	6.1	5.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	25°
137.5°	8.1	7.1	5.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	27.5°
140°	7.1	6.1	5.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	30°
142.5°	6.1	5.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	32.5°
145°	5.0	4.0	4.0	4.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	35°
147.5°	5.0	4.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	37.5°
150°	4.0	4.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	40°
152.5°	4.0	4.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	42.5°
155°	4.0	4.0	4.0	4.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	45°
157.5°	4.0	4.0	4.0	4.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	47.5°
160°	4.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	1.0	50°
162.5°	4.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	51°
165°	4.0	4.0	4.0	4.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	52.5°
167.5°	4.0	4.0	4.0	4.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	55°
170°	4.0	4.0	3.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	1.0	57.5°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°



NUMBER: P200911
NUMBER: WKP4BLEDEDGL

REPORT NUMBER: P
CATALOG NUMBER:

DISTRIBUTION (continued):

165°	170°	175°	180°
1148.8	1148.8	1148.8	1148.8
1099.4	1095.3	1096.3	1099.4
1081.2	1080.2	1077.2	1081.2
982.3	975.2	966.1	970.2
791.4	775.2	757.1	760.1
600.6	587.5	570.3	570.3
453.2	443.1	428.0	427.0
348.3	341.2	332.1	331.1
280.6	274.6	268.5	266.5
237.2	234.2	229.1	228.1
206.9	203.9	199.9	198.9
182.7	179.7	175.6	174.6
162.5	161.5	159.5	158.5
154.4	155.5	155.5	155.5
154.4	155.5	158.5	158.5
157.5	159.5	162.5	163.5
159.5	159.5	161.5	160.5
158.5	153.4	152.4	151.4
148.4	142.3	139.3	138.3
135.3	131.2	129.2	129.2
126.2	122.1	120.1	120.1
121.1	117.1	114.1	114.1
114.1	109.0	105.0	105.0
100.9	97.9	94.9	93.9
91.9	89.8	86.8	85.8
82.8	79.7	76.7	75.7
70.7	66.6	64.6	62.6
59.6	56.5	55.5	54.5
49.5	48.5	47.4	47.4
40.4	39.4	37.3	37.3
30.3	28.3	27.3	27.3
21.2	19.2	18.2	18.2
10.1	9.1	9.1	9.1
3.0	2.0	2.0	1.0
2.0	2.0	2.0	1.0
2.0	2.0	1.0	1.0
2.0	2.0	1.0	1.0
2.0	1.0	1.0	1.0
2.0	2.0	1.0	1.0
2.0	2.0	1.0	1.0
1.0	1.0	1.0	1.0
1.0	1.0	1.0	1.0
1.0	1.0	1.0	1.0
1.0	1.0	0.0	0.0
1.0	1.0	0.0	0.0

CANDELA DISTRIBUTION:

	165°
110°	1.0
112.5°	1.0
115°	1.0
117.5°	2.0
120°	1.0
122.5°	1.0
125°	1.0
127.5°	1.0
130°	1.0
132.5°	1.0
135°	2.0
137.5°	2.0
140°	2.0
142.5°	2.0
145°	1.0
147.5°	2.0
150°	1.0
152.5°	1.0
155°	1.0
157.5°	1.0
160°	1.0
162.5°	1.0
165°	1.0
167.5°	1.0
170°	1.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0



'200911
WKP4BLEDEDGL

TION (continued):

170°	175°	180°
1.0	0.0	0.0
1.0	0.0	0.0
1.0	1.0	1.0
2.0	1.0	1.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	1.0	0.0
1.0	0.0	0.0
1.0	0.0	0.0
1.0	0.0	0.0
1.0	0.0	0.0
1.0	0.0	0.0
1.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0

(END OF REPORT)