

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: P200914

Luminaire Tested: **WKP4BLEDEDGL-7040**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27134)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: WKP4BLEDEDGL-7040
Description: STREETWORKS LED WALPAK GLASS 4LED

Light Source: EATON LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4159.9 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1' 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

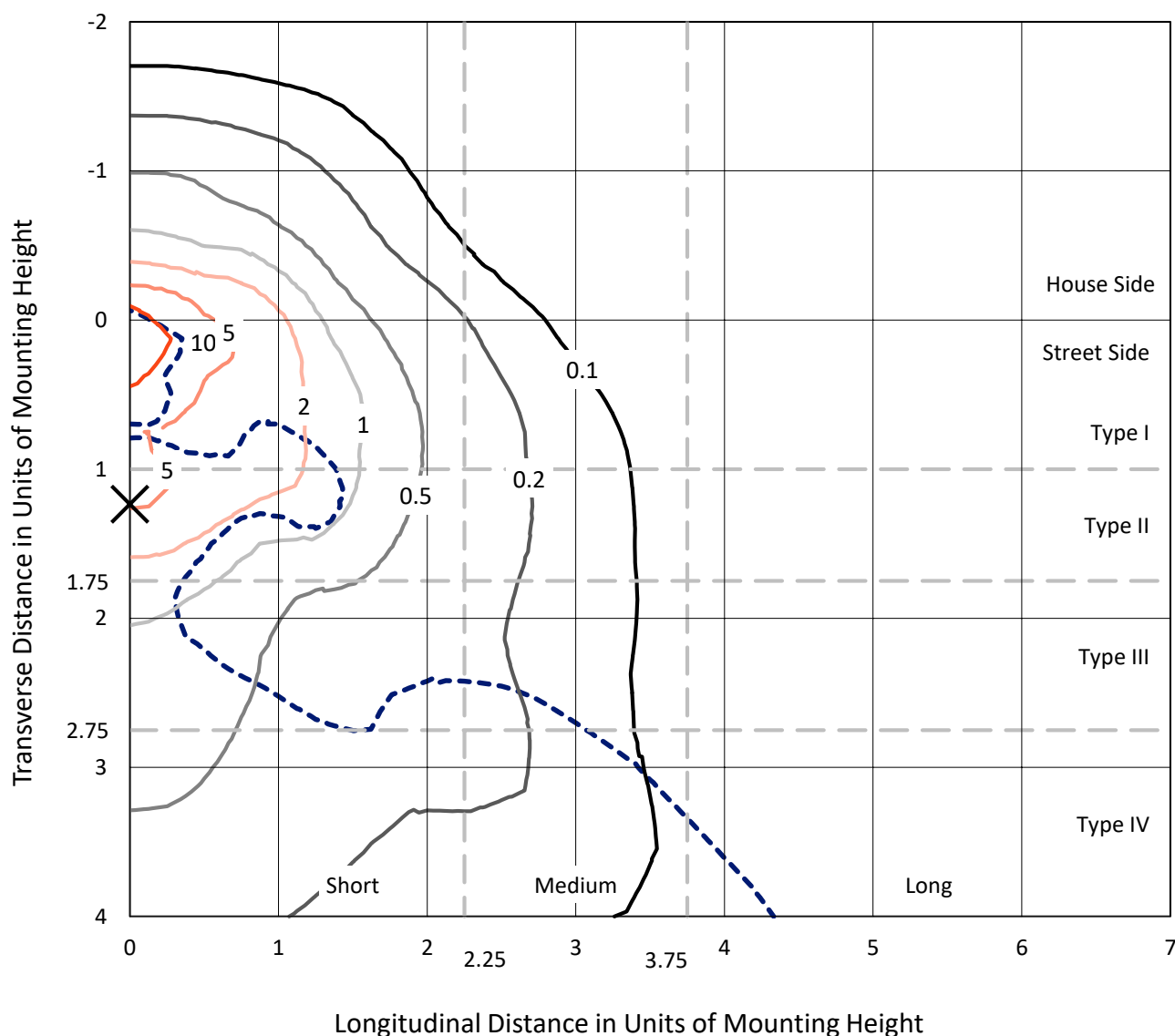


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

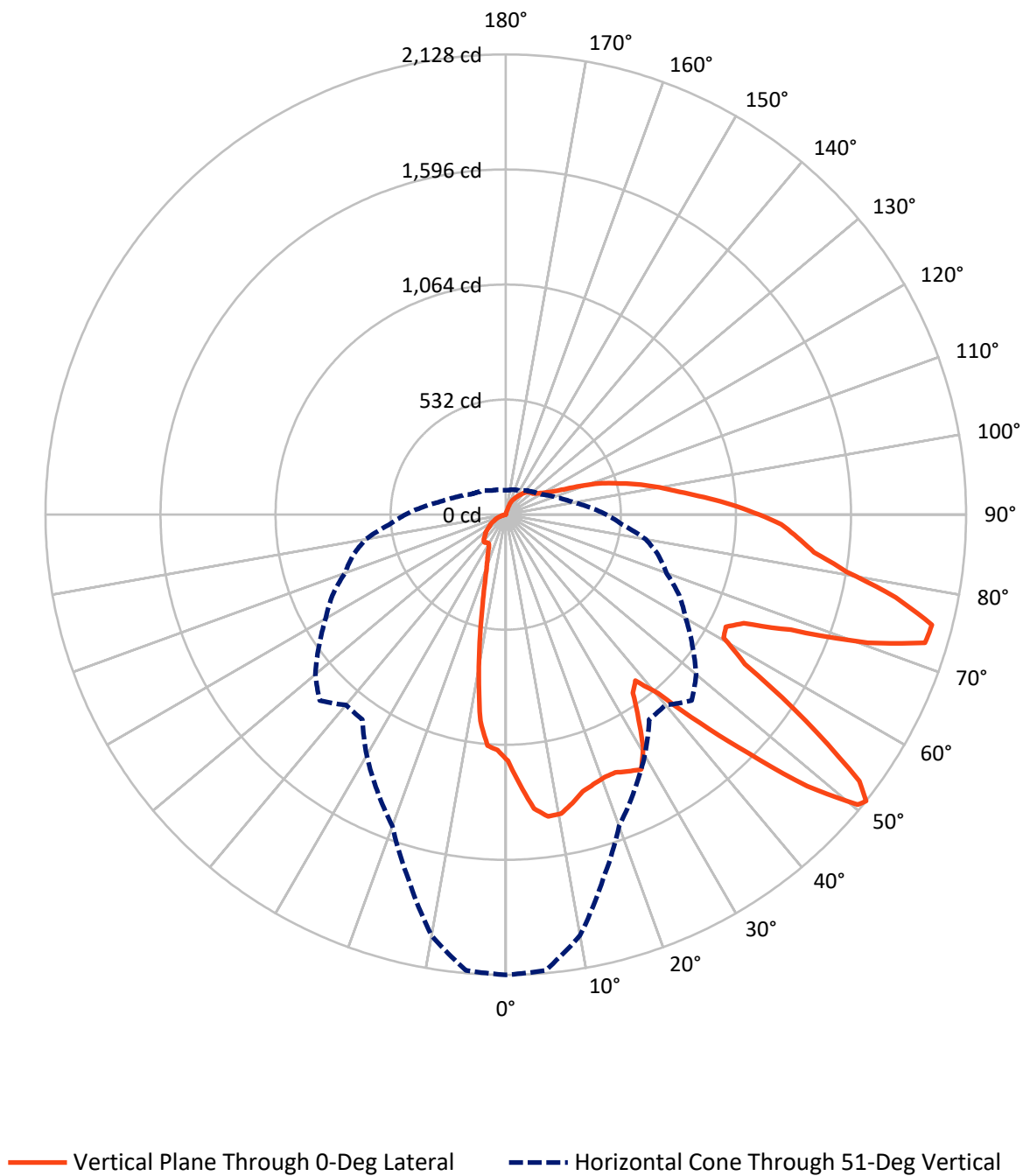


Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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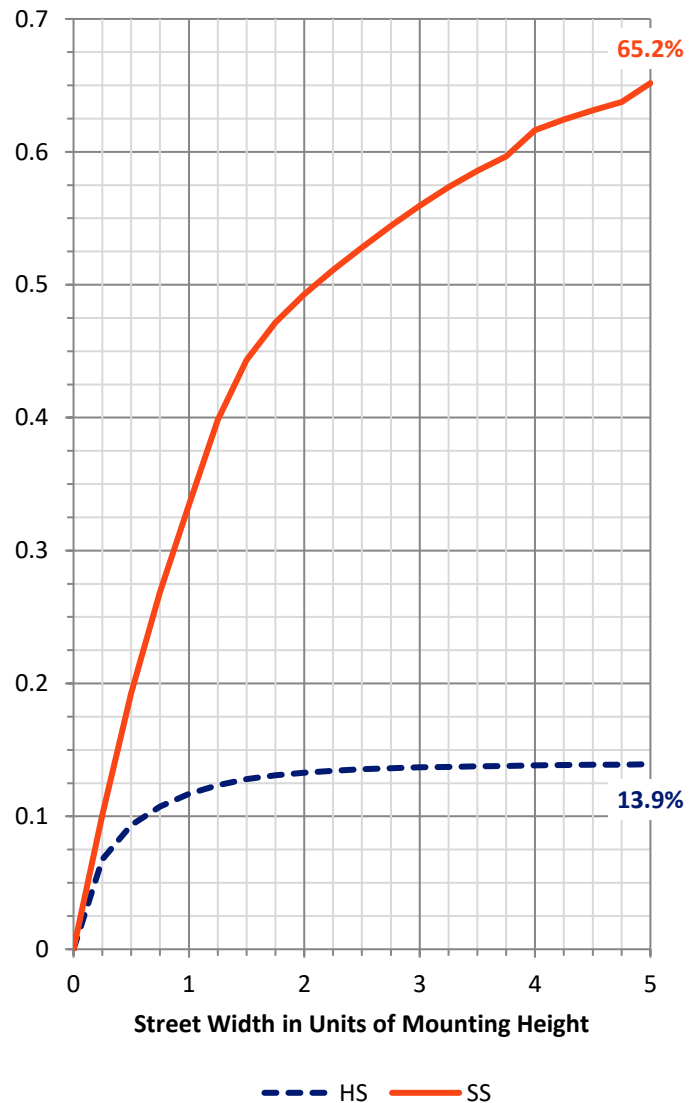
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	587.4	30.7	618.2
	% Fixture	14.1	0.7	14.9
Street Side	Lumens	2956.5	585.2	3541.7
	% Fixture	71.1	14.1	85.1
Total	Lumens	3543.9	616.0	4159.9
	% Fixture	85.2	14.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	2.6
10°-20°	259.3	6.2
20°-30°	327.9	7.9
30°-40°	385.4	9.3
40°-50°	500.6	12.0
50°-60°	555.0	13.3
60°-70°	456.5	11.0
70°-80°	558.1	13.4
80°-90°	391.8	9.4
90°-100°	240.0	5.8
100°-110°	152.6	3.7
110°-120°	89.5	2.2
120°-130°	60.3	1.5
130°-140°	41.0	1.0
140°-150°	22.2	0.5
150°-160°	8.7	0.2
160°-170°	1.5	0.0
170°-180°	0.1	0.0
0°-90°	3543.9	85.2
0°-180°	4159.9	100.0

Coefficient of Utilization



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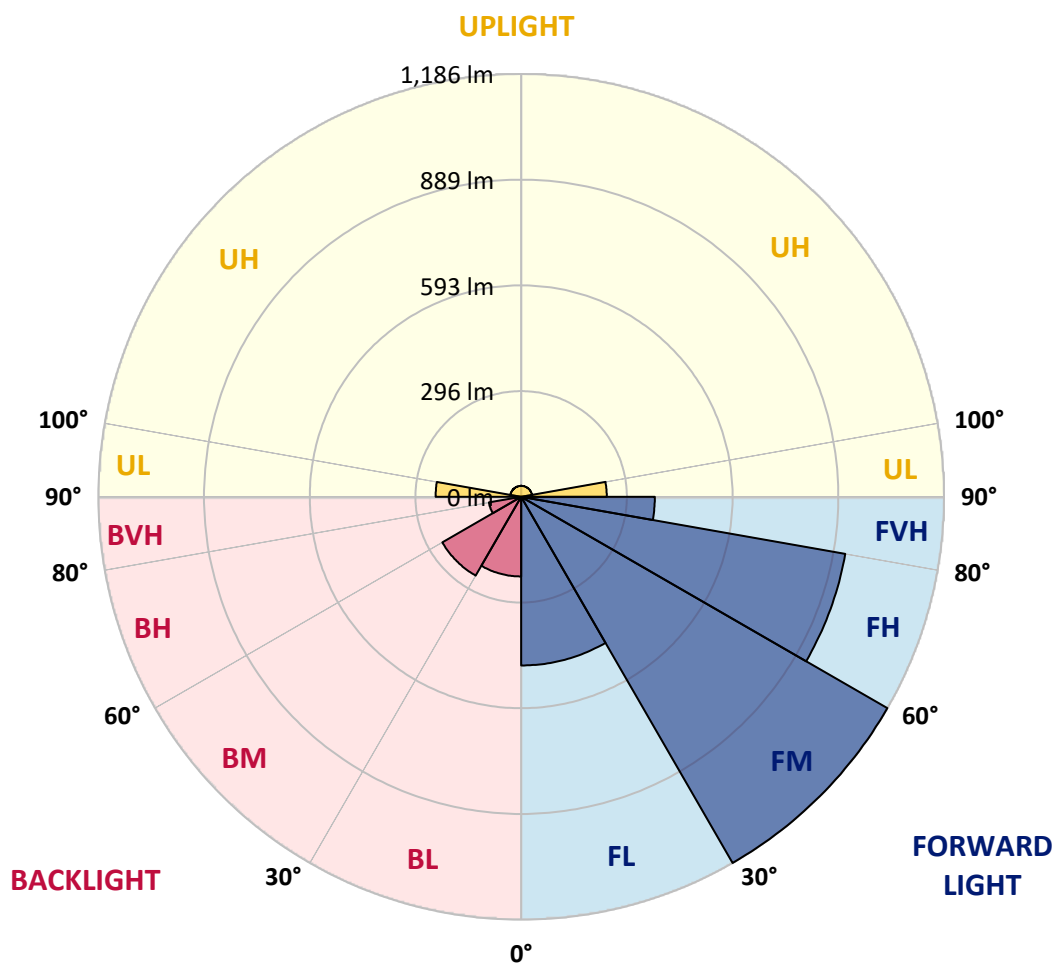
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	473.0	11.4			
FM	(30°-60°)	1185.8	28.5			
FH	(60°-80°)	922.8	22.2			G1/1800
FVH	(80°-90°)	374.8	9.0			G3/500
BL	(0°-30°)	223.4	5.4	B1/500		
BM	(30°-60°)	255.3	6.1	B1/1000		
BH	(60°-80°)	91.8	2.2	B0/110		G0/110
BVH	(80°-90°)	17.0	0.4			G1/100
UL	(90°-100°)	240.0	5.8		U3/500	
UH	(100°-180°)	30.7	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°	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1
2.5°	1249.1	1254.1	1246.1	1243.1	1249.1	1240.1	1235.1	1236.1	1228.1	1222.1	1212.1
5°	1365.1	1368.1	1363.1	1361.1	1362.1	1354.1	1344.1	1338.1	1325.1	1313.1	1294.1
7.5°	1409.2	1412.2	1412.2	1409.2	1407.2	1400.2	1396.2	1384.2	1367.1	1351.1	1324.1
10°	1406.2	1400.2	1401.2	1407.2	1405.2	1400.2	1390.2	1379.2	1359.1	1337.1	1305.1
12.5°	1369.1	1357.1	1362.1	1366.1	1366.1	1360.1	1351.1	1338.1	1316.1	1293.1	1263.1
15°	1329.1	1324.1	1325.1	1324.1	1314.1	1304.1	1289.1	1269.1	1247.1	1239.1	1228.1
17.5°	1311.1	1305.1	1295.1	1283.1	1263.1	1238.1	1210.1	1189.1	1176.1	1178.1	1184.1
20°	1297.1	1288.1	1271.1	1255.1	1223.1	1177.1	1136.1	1109.1	1096.1	1101.1	1125.1
22.5°	1295.1	1290.1	1269.1	1244.1	1195.1	1133.1	1082.1	1048.1	1032.1	1033.1	1048.1
25°	1315.1	1317.1	1297.1	1260.1	1190.1	1115.1	1057.1	1013.1	988.1	979.1	974.1
27.5°	1334.1	1333.1	1327.1	1285.1	1199.1	1111.1	1040.1	991.1	953.1	928.1	923.1
30°	1252.1	1261.1	1273.1	1246.1	1177.1	1103.1	1033.1	973.1	925.1	889.1	877.1
32.5°	1127.1	1138.1	1169.1	1146.1	1094.1	1055.1	1016.1	964.1	910.1	867.1	837.1
35°	1012.1	1025.1	1049.1	1038.1	986.1	969.1	957.1	930.1	896.1	856.1	821.1
37.5°	974.1	980.1	983.1	946.1	900.1	881.1	884.1	876.1	865.1	848.1	835.1
40°	1085.1	1089.1	1065.1	982.1	904.1	866.1	862.1	859.1	852.1	850.1	875.1
42.5°	1317.1	1329.1	1295.1	1162.1	1022.1	938.1	897.1	875.1	864.1	886.1	931.1
45°	1573.2	1593.2	1539.2	1380.2	1204.1	1069.1	989.1	928.1	928.1	954.1	988.1
47.5°	1876.2	1885.2	1785.2	1583.2	1393.2	1236.1	1112.1	1029.1	1020.1	1056.1	1048.1
50°	2109.2	2102.2	1969.2	1725.2	1519.2	1380.2	1241.1	1122.1	1116.1	1182.1	1116.1
51°	2128.2	2115.2	1976.2	1742.2	1532.2	1407.2	1285.1	1156.1	1149.1	1216.1	1149.1
52.5°	2047.2	2045.2	1903.2	1688.2	1501.2	1404.2	1302.1	1185.1	1173.1	1273.1	1193.1
55°	1683.2	1675.2	1596.2	1435.2	1312.1	1238.1	1211.1	1192.1	1203.1	1312.1	1239.1
57.5°	1304.1	1306.1	1264.1	1170.1	1077.1	1009.1	982.1	1080.1	1200.1	1303.1	1222.1
60°	1157.1	1154.1	1096.1	1017.1	941.1	847.1	799.1	903.1	1118.1	1198.1	1148.1
62.5°	1142.1	1120.1	1035.1	939.1	869.1	780.1	711.1	773.1	1018.1	1046.1	1028.1
65°	1209.1	1169.1	1047.1	938.1	850.1	754.1	678.1	694.1	871.1	900.1	881.1
67.5°	1421.2	1378.2	1209.1	1056.1	927.1	802.1	705.1	702.1	775.1	795.1	777.1
70°	1775.2	1729.2	1499.2	1284.1	1129.1	950.1	840.1	845.1	830.1	772.1	744.1
72.5°	2027.2	1994.2	1742.2	1520.2	1326.1	1145.1	1041.1	1115.1	1064.1	896.1	789.1
75°	2035.2	2000.2	1775.2	1603.2	1420.2	1275.1	1203.1	1394.2	1438.2	1184.1	878.1
77.5°	1843.2	1796.2	1611.2	1508.2	1356.1	1250.1	1205.1	1463.2	1605.2	1394.2	943.1
80°	1596.2	1560.2	1406.2	1340.1	1199.1	1105.1	1052.1	1226.1	1399.2	1272.1	874.1
82.5°	1436.2	1413.2	1279.1	1192.1	1040.1	930.1	864.1	937.1	1015.1	958.1	714.1
85°	1353.1	1318.1	1186.1	1069.1	911.1	798.1	733.1	757.1	765.1	693.1	581.1
87.5°	1275.1	1230.1	1085.1	950.1	806.1	699.1	646.1	664.1	644.1	570.1	501.1
90°	1145.1	1096.1	954.1	831.1	709.1	615.1	573.1	590.1	559.1	498.1	445.0
92.5°	1020.1	973.1	849.1	737.1	629.1	551.1	515.1	525.1	502.1	450.0	413.0
95°	896.1	856.1	753.1	664.1	568.1	499.1	475.1	475.1	456.0	412.0	392.0
97.5°	789.1	761.1	676.1	601.1	517.1	454.0	431.0	431.0	408.0	377.0	373.0
100°	706.1	681.1	607.1	537.1	466.1	413.0	391.0	389.0	366.0	344.0	349.0
102.5°	623.1	599.1	533.1	472.1	414.0	372.0	352.0	340.0	324.0	316.0	323.0
105°	541.1	521.1	464.1	411.0	365.0	331.0	306.0	295.0	287.0	289.0	297.0
107.5°	470.1	451.0	401.0	356.0	318.0	285.0	259.0	255.0	257.0	265.0	273.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	386.0	373.0	335.0	298.0	266.0	240.0	222.0	223.0	232.0	244.0	247.0
112.5°	305.0	298.0	272.0	245.0	224.0	206.0	196.0	201.0	211.0	225.0	219.0
115°	252.0	248.0	231.0	213.0	200.0	187.0	180.0	183.0	193.0	205.0	193.0
117.5°	220.0	218.0	207.0	194.0	184.0	175.0	168.0	169.0	180.0	187.0	176.0
120°	198.0	197.0	188.0	181.0	172.0	165.0	159.0	158.0	168.0	170.0	169.0
122.5°	181.0	182.0	178.0	172.0	164.0	157.0	151.0	151.0	158.0	166.0	162.0
125°	168.0	169.0	166.0	162.0	154.0	148.0	145.0	145.0	152.0	163.0	154.0
127.5°	158.0	159.0	157.0	153.0	147.0	143.0	141.0	141.0	147.0	156.0	150.0
130°	156.0	156.0	154.0	150.0	143.0	140.0	137.0	137.0	141.0	148.0	143.0
132.5°	151.0	150.0	148.0	145.0	140.0	135.0	132.0	131.0	134.0	135.0	132.0
135°	147.0	145.0	141.0	139.0	133.0	129.0	125.0	124.0	124.0	123.0	119.0
137.5°	140.0	138.0	135.0	132.0	127.0	123.0	120.0	117.0	114.0	111.0	105.0
140°	129.0	128.0	127.0	126.0	121.0	117.0	112.0	108.0	104.0	99.0	92.0
142.5°	117.0	117.0	117.0	115.0	112.0	108.0	103.0	98.0	93.0	87.0	80.0
145°	107.0	107.0	106.0	103.0	100.0	97.0	93.0	88.0	82.0	76.0	68.0
147.5°	98.0	98.0	97.0	94.0	91.0	87.0	83.0	78.0	72.0	66.0	57.0
150°	89.0	89.0	87.0	85.0	82.0	78.0	73.0	68.0	62.0	54.0	43.0
152.5°	81.0	80.0	79.0	77.0	74.0	70.0	65.0	58.0	50.0	41.0	33.0
155°	72.0	72.0	71.0	69.0	65.0	60.0	54.0	46.0	38.0	30.0	21.0
157.5°	61.0	60.0	59.0	56.0	52.0	47.0	40.0	33.0	25.0	18.0	12.0
160°	44.0	43.0	41.0	39.0	35.0	30.0	25.0	17.0	13.0	9.0	7.0
162.5°	24.0	23.0	22.0	20.0	17.0	13.0	11.0	8.0	7.0	5.0	3.0
165°	8.0	8.0	8.0	8.0	7.0	6.0	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°	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1
2.5°	1200.1	1190.1	1181.1	1171.1	1160.1	1154.1	1144.1	1136.1	1127.1	1112.1	1108.1
5°	1274.1	1250.1	1228.1	1199.1	1174.1	1153.1	1132.1	1115.1	1098.1	1083.1	1076.1
7.5°	1298.1	1266.1	1237.1	1197.1	1158.1	1120.1	1086.1	1057.1	1036.1	1021.1	1016.1
10°	1271.1	1233.1	1194.1	1152.1	1110.1	1069.1	1032.1	997.1	975.1	963.1	959.1
12.5°	1234.1	1204.1	1168.1	1126.1	1082.1	1035.1	990.1	953.1	929.1	914.1	913.1
15°	1214.1	1191.1	1165.1	1120.1	1069.1	1016.1	958.1	913.1	886.1	870.1	864.1
17.5°	1190.1	1179.1	1149.1	1102.1	1042.1	986.1	919.1	867.1	841.1	828.1	812.1
20°	1142.1	1142.1	1112.1	1067.1	1009.1	940.1	874.1	819.1	793.1	776.1	745.1
22.5°	1059.1	1069.1	1068.1	1033.1	980.1	909.1	841.1	784.1	755.1	732.1	685.1
25°	982.1	1000.1	1016.1	997.1	950.1	876.1	806.1	751.1	719.1	686.1	625.1
27.5°	920.1	937.1	953.1	955.1	919.1	858.1	789.1	738.1	707.1	659.1	585.1
30°	870.1	875.1	911.1	942.1	927.1	873.1	807.1	751.1	720.1	663.1	574.1
32.5°	830.1	854.1	901.1	953.1	954.1	902.1	837.1	784.1	743.1	674.1	567.1
35°	822.1	848.1	900.1	962.1	973.1	919.1	855.1	796.1	742.1	657.1	540.1
37.5°	842.1	856.1	899.1	962.1	978.1	927.1	858.1	780.1	710.1	607.1	494.1
40°	883.1	875.1	908.1	959.1	972.1	930.1	840.1	748.1	658.1	541.1	433.0
42.5°	933.1	908.1	924.1	952.1	958.1	901.1	801.1	705.1	598.1	479.1	384.0
45°	988.1	953.1	933.1	931.1	925.1	856.1	749.1	649.1	542.1	433.0	352.0
47.5°	1029.1	974.1	914.1	869.1	845.1	777.1	667.1	573.1	476.1	388.0	323.0
50°	1044.1	970.1	888.1	808.1	758.1	688.1	580.1	494.1	414.0	340.0	289.0
51°	1053.1	961.1	885.1	791.1	732.1	657.1	543.1	464.1	388.0	321.0	274.0
52.5°	1069.1	952.1	878.1	777.1	698.1	611.1	498.1	422.0	354.0	292.0	256.0
55°	1071.1	936.1	864.1	763.1	661.1	551.1	445.0	376.0	311.0	260.0	226.0
57.5°	1077.1	917.1	844.1	758.1	635.1	513.1	415.0	349.0	287.0	236.0	203.0
60°	1033.1	860.1	795.1	726.1	595.1	479.1	400.0	342.0	277.0	218.0	184.0
62.5°	939.1	790.1	726.1	667.1	550.1	459.1	388.0	331.0	269.0	205.0	167.0
65°	823.1	746.1	682.1	610.1	517.1	439.0	373.0	315.0	246.0	184.0	155.0
67.5°	731.1	718.1	672.1	571.1	508.1	425.0	350.0	296.0	219.0	164.0	142.0
70°	709.1	702.1	653.1	546.1	499.1	418.0	329.0	266.0	187.0	152.0	128.0
72.5°	730.1	683.1	606.1	530.1	477.1	401.0	304.0	218.0	158.0	131.0	115.0
75°	757.1	673.1	581.1	522.1	465.1	392.0	279.0	177.0	139.0	110.0	104.0
77.5°	757.1	663.1	586.1	514.1	450.0	385.0	247.0	149.0	114.0	96.0	94.0
80°	683.1	611.1	556.1	488.1	434.0	346.0	212.0	133.0	92.0	84.0	86.0
82.5°	560.1	521.1	482.1	441.0	410.0	288.0	173.0	111.0	76.0	75.0	77.0
85°	458.1	457.0	420.0	376.0	354.0	237.0	142.0	78.0	64.0	65.0	68.0
87.5°	403.0	408.0	373.0	326.0	285.0	195.0	118.0	63.0	54.0	56.0	59.0
90°	378.0	373.0	334.0	285.0	223.0	153.0	81.0	52.0	48.0	49.0	50.0
92.5°	361.0	351.0	305.0	247.0	187.0	131.0	73.0	45.0	43.0	43.0	44.0
95°	343.0	332.0	279.0	207.0	156.0	101.0	61.0	43.0	41.0	40.0	40.0
97.5°	332.0	308.0	247.0	179.0	140.0	90.0	55.0	42.0	39.0	38.0	38.0
100°	312.0	290.0	217.0	165.0	122.0	81.0	55.0	42.0	38.0	36.0	36.0
102.5°	291.0	262.0	194.0	154.0	109.0	76.0	55.0	43.0	37.0	35.0	35.0
105°	268.0	231.0	180.0	145.0	103.0	74.0	55.0	42.0	37.0	34.0	33.0
107.5°	239.0	203.0	170.0	129.0	99.0	75.0	54.0	41.0	36.0	33.0	31.0



REPORT NUMBER: P200914

CATALOG NUMBER: WKP4BLEDEDGL-7040

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
110°	213.0	187.0	161.0	120.0	97.0	75.0	51.0	40.0	35.0	32.0	30.0
112.5°	189.0	177.0	143.0	113.0	93.0	72.0	49.0	39.0	34.0	30.0	28.0
115°	179.0	165.0	130.0	109.0	90.0	68.0	47.0	38.0	32.0	29.0	26.0
117.5°	174.0	150.0	122.0	104.0	85.0	61.0	44.0	36.0	30.0	27.0	23.0
120°	157.0	137.0	118.0	99.0	78.0	54.0	40.0	33.0	28.0	24.0	21.0
122.5°	146.0	131.0	114.0	93.0	71.0	49.0	37.0	30.0	26.0	22.0	19.0
125°	141.0	127.0	108.0	86.0	64.0	45.0	34.0	28.0	24.0	20.0	18.0
127.5°	136.0	119.0	100.0	80.0	58.0	40.0	30.0	25.0	22.0	19.0	16.0
130°	128.0	112.0	93.0	73.0	52.0	36.0	26.0	22.0	20.0	17.0	15.0
132.5°	119.0	104.0	86.0	65.0	46.0	30.0	23.0	20.0	18.0	15.0	13.0
135°	109.0	94.0	78.0	57.0	38.0	25.0	21.0	18.0	16.0	14.0	12.0
137.5°	97.0	84.0	67.0	46.0	30.0	22.0	19.0	16.0	15.0	12.0	10.0
140°	85.0	73.0	55.0	36.0	24.0	20.0	17.0	15.0	13.0	11.0	9.0
142.5°	73.0	60.0	44.0	28.0	19.0	16.0	14.0	13.0	12.0	10.0	8.0
145°	59.0	47.0	34.0	22.0	15.0	13.0	12.0	11.0	10.0	8.0	7.0
147.5°	46.0	35.0	23.0	15.0	12.0	11.0	11.0	10.0	9.0	7.0	6.0
150°	34.0	23.0	15.0	10.0	9.0	9.0	9.0	9.0	8.0	6.0	5.0
152.5°	22.0	14.0	9.0	7.0	7.0	8.0	8.0	7.0	7.0	5.0	4.0
155°	13.0	9.0	5.0	5.0	6.0	6.0	7.0	6.0	6.0	5.0	4.0
157.5°	8.0	4.0	3.0	4.0	4.0	5.0	6.0	6.0	6.0	5.0	4.0
160°	4.0	3.0	3.0	4.0	4.0	5.0	6.0	6.0	6.0	5.0	4.0
162.5°	3.0	3.0	3.0	4.0	4.0	5.0	6.0	6.0	6.0	5.0	4.0
165°	3.0	3.0	3.0	4.0	4.0	5.0	6.0	6.0	6.0	5.0	5.0
167.5°	3.0	3.0	3.0	4.0	5.0	5.0	6.0	6.0	6.0	5.0	4.0
170°	3.0	3.0	3.0	4.0	4.0	5.0	6.0	6.0	6.0	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: P200914

CATALOG NUMBER: WKP4BLEDEDGL-7040

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1
2.5°	1102.1	1095.1	1093.1	1088.1	1085.1	1081.1	1083.1	1084.1	1083.1	1085.1	1085.1
5°	1068.1	1068.1	1070.1	1069.1	1073.1	1070.1	1071.1	1070.1	1068.1	1070.1	1069.1
7.5°	1015.1	1026.1	1032.1	1034.1	1031.1	1024.1	1018.1	1014.1	1002.1	998.1	982.1
10°	962.1	963.1	963.1	950.1	936.1	917.1	894.1	868.1	847.1	823.1	801.1
12.5°	908.1	895.1	877.1	844.1	801.1	759.1	721.1	684.1	656.1	641.1	610.1
15°	843.1	810.1	768.1	718.1	657.1	604.1	560.1	526.1	498.1	484.1	460.1
17.5°	776.1	720.1	665.1	598.1	530.1	477.1	437.0	404.0	382.0	368.0	354.0
20°	692.1	622.1	558.1	491.1	428.0	381.0	345.0	321.0	303.0	292.0	285.0
22.5°	616.1	535.1	465.1	402.0	352.0	315.0	287.0	266.0	253.0	243.0	238.0
25°	552.1	463.1	391.0	336.0	299.0	269.0	248.0	231.0	220.0	213.0	206.0
27.5°	494.1	400.0	338.0	292.0	259.0	238.0	221.0	208.0	197.0	188.0	181.0
30°	462.1	361.0	299.0	258.0	232.0	215.0	201.0	188.0	179.0	169.0	162.0
32.5°	444.0	341.0	276.0	237.0	213.0	196.0	184.0	173.0	164.0	155.0	152.0
35°	422.0	328.0	265.0	227.0	200.0	182.0	172.0	159.0	154.0	149.0	150.0
37.5°	391.0	314.0	263.0	223.0	193.0	174.0	160.0	152.0	148.0	149.0	153.0
40°	359.0	301.0	256.0	220.0	194.0	169.0	154.0	147.0	149.0	153.0	156.0
42.5°	324.0	280.0	244.0	213.0	190.0	165.0	150.0	147.0	150.0	154.0	157.0
45°	299.0	258.0	225.0	201.0	181.0	161.0	149.0	147.0	148.0	151.0	151.0
47.5°	276.0	237.0	209.0	187.0	172.0	159.0	149.0	144.0	143.0	141.0	137.0
50°	249.0	220.0	194.0	177.0	166.0	156.0	147.0	140.0	133.0	129.0	126.0
51°	240.0	212.0	188.0	174.0	164.0	153.0	146.0	137.0	129.0	125.0	122.0
52.5°	226.0	201.0	181.0	170.0	161.0	151.0	143.0	133.0	124.0	120.0	116.0
55°	203.0	184.0	172.0	161.0	154.0	145.0	136.0	126.0	118.0	111.0	104.0
57.5°	181.0	169.0	160.0	151.0	145.0	137.0	128.0	118.0	108.0	100.0	94.0
60°	164.0	155.0	149.0	140.0	135.0	128.0	121.0	108.0	98.0	92.0	86.0
62.5°	151.0	142.0	138.0	130.0	124.0	120.0	111.0	99.0	90.0	83.0	75.0
65°	139.0	132.0	128.0	121.0	114.0	109.0	100.0	89.0	80.0	70.0	63.0
67.5°	129.0	124.0	119.0	111.0	103.0	96.0	88.0	78.0	67.0	58.0	52.0
70°	119.0	116.0	110.0	100.0	91.0	83.0	76.0	65.0	55.0	46.0	42.0
72.5°	109.0	107.0	100.0	89.0	78.0	70.0	63.0	53.0	43.0	36.0	32.0
75°	101.0	98.0	89.0	78.0	66.0	58.0	50.0	41.0	33.0	26.0	23.0
77.5°	91.0	88.0	79.0	66.0	55.0	45.0	38.0	31.0	23.0	16.0	12.0
80°	83.0	78.0	69.0	57.0	45.0	34.0	27.0	20.0	12.0	6.0	3.0
82.5°	74.0	68.0	61.0	49.0	35.0	25.0	19.0	13.0	7.0	3.0	3.0
85°	64.0	59.0	53.0	42.0	29.0	20.0	15.0	10.0	5.0	3.0	2.0
87.5°	56.0	52.0	47.0	36.0	25.0	17.0	13.0	8.0	4.0	2.0	2.0
90°	48.0	45.0	40.0	30.0	21.0	15.0	11.0	7.0	4.0	2.0	2.0
92.5°	42.0	39.0	33.0	26.0	19.0	13.0	9.0	6.0	3.0	2.0	2.0
95°	38.0	34.0	28.0	23.0	17.0	12.0	8.0	5.0	3.0	2.0	2.0
97.5°	35.0	30.0	24.0	20.0	15.0	11.0	7.0	4.0	2.0	2.0	2.0
100°	33.0	28.0	22.0	18.0	13.0	10.0	6.0	3.0	2.0	2.0	2.0
102.5°	32.0	26.0	20.0	16.0	12.0	9.0	6.0	3.0	2.0	2.0	2.0
105°	30.0	24.0	19.0	15.0	12.0	8.0	5.0	2.0	2.0	2.0	1.0
107.5°	28.0	22.0	17.0	14.0	11.0	7.0	4.0	2.0	2.0	1.0	1.0



REPORT NUMBER: P200914
CATALOG NUMBER: WKP4BLEDEDGL-7040

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
110°	25.0	20.0	16.0	13.0	10.0	6.0	3.0	2.0	2.0	1.0	1.0	0°
112.5°	23.0	19.0	15.0	13.0	9.0	6.0	3.0	2.0	2.0	1.0	1.0	2.5°
115°	22.0	18.0	15.0	12.0	9.0	5.0	3.0	2.0	2.0	2.0	2.0	5°
117.5°	20.0	16.0	14.0	11.0	8.0	5.0	3.0	2.0	2.0	2.0	2.0	7.5°
120°	18.0	15.0	13.0	10.0	7.0	4.0	2.0	2.0	2.0	2.0	2.0	10°
122.5°	17.0	14.0	12.0	9.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	12.5°
125°	15.0	13.0	10.0	8.0	5.0	3.0	2.0	2.0	2.0	2.0	2.0	15°
127.5°	14.0	12.0	9.0	7.0	5.0	3.0	2.0	2.0	2.0	2.0	2.0	17.5°
130°	13.0	10.0	8.0	6.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	20°
132.5°	11.0	9.0	7.0	5.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	22.5°
135°	10.0	8.0	6.0	5.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	25°
137.5°	8.0	7.0	5.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	27.5°
140°	7.0	6.0	5.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	30°
142.5°	6.0	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: P200914
NUMBER: WKP4BLEDEDGL-7040

REPORT NUMBER: P
CATALOG NUMBER:

DISTRIBUTION (continued):

165°	170°	175°	180°
1138.1	1138.1	1138.1	1138.1
1089.1	1085.1	1086.1	1089.1
1071.1	1070.1	1067.1	1071.1
973.1	966.1	957.1	961.1
784.1	768.1	750.1	753.1
595.1	582.1	565.1	565.1
449.0	439.0	424.0	423.0
345.0	338.0	329.0	328.0
278.0	272.0	266.0	264.0
235.0	232.0	227.0	226.0
205.0	202.0	198.0	197.0
181.0	178.0	174.0	173.0
161.0	160.0	158.0	157.0
153.0	154.0	154.0	154.0
153.0	154.0	157.0	157.0
156.0	158.0	161.0	162.0
158.0	158.0	160.0	159.0
157.0	152.0	151.0	150.0
147.0	141.0	138.0	137.0
134.0	130.0	128.0	128.0
125.0	121.0	119.0	119.0
120.0	116.0	113.0	113.0
113.0	108.0	104.0	104.0
100.0	97.0	94.0	93.0
91.0	89.0	86.0	85.0
82.0	79.0	76.0	75.0
70.0	66.0	64.0	62.0
59.0	56.0	55.0	54.0
49.0	48.0	47.0	47.0
40.0	39.0	37.0	37.0
30.0	28.0	27.0	27.0
21.0	19.0	18.0	18.0
10.0	9.0	9.0	9.0
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



'200914
WKP4BLEDEDGL-7040

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)