

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: McGRAW-EDISON

Report Number: P200609

Luminaire Tested: **GPC-AF-01-LED-E1-SL3-8030-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-01-LED-E1-SL3-8030-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4862 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

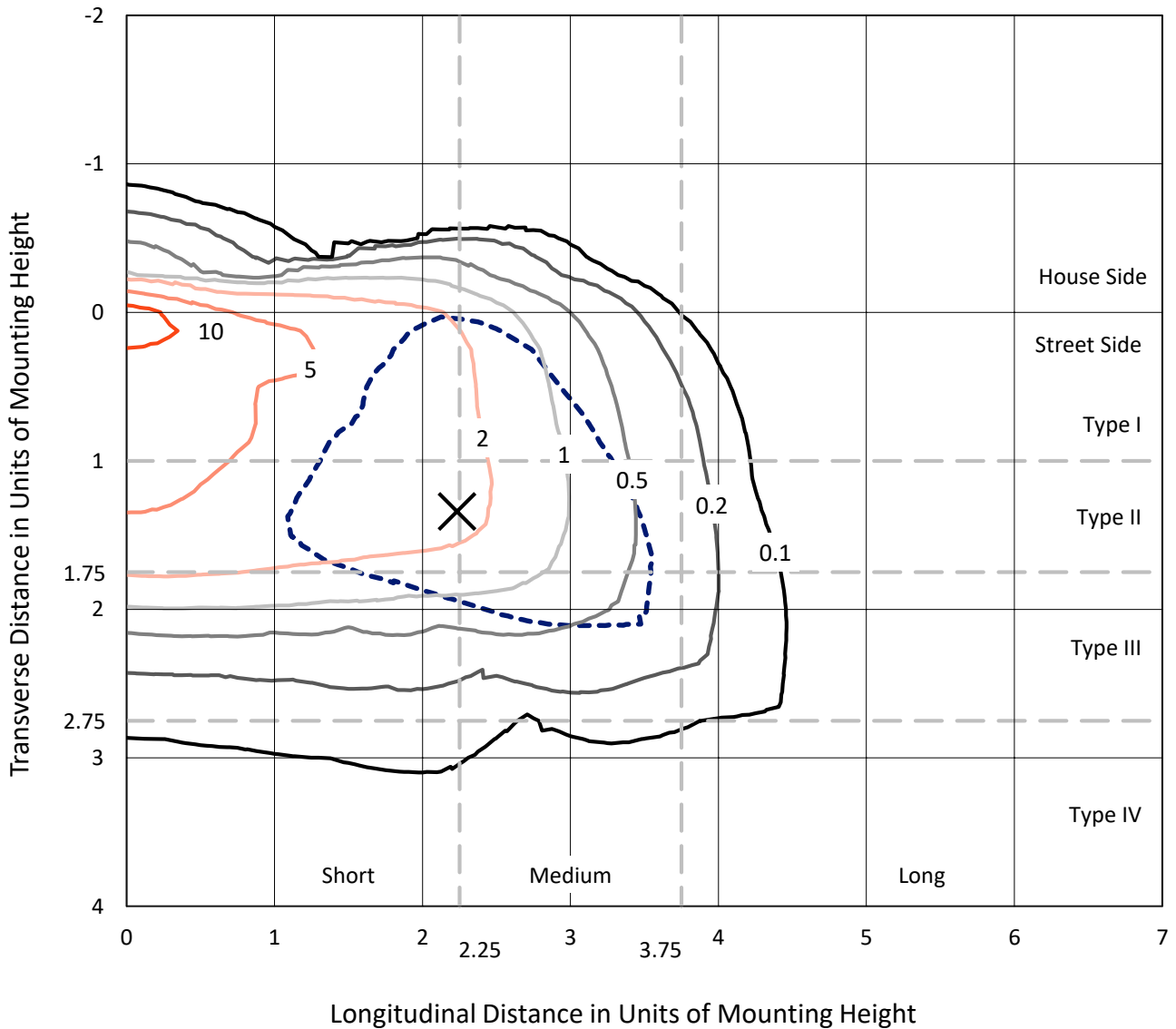
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P200609
 CATALOG NUMBER: GPC-AF-01-LED-E1-SL3-8030-1200-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

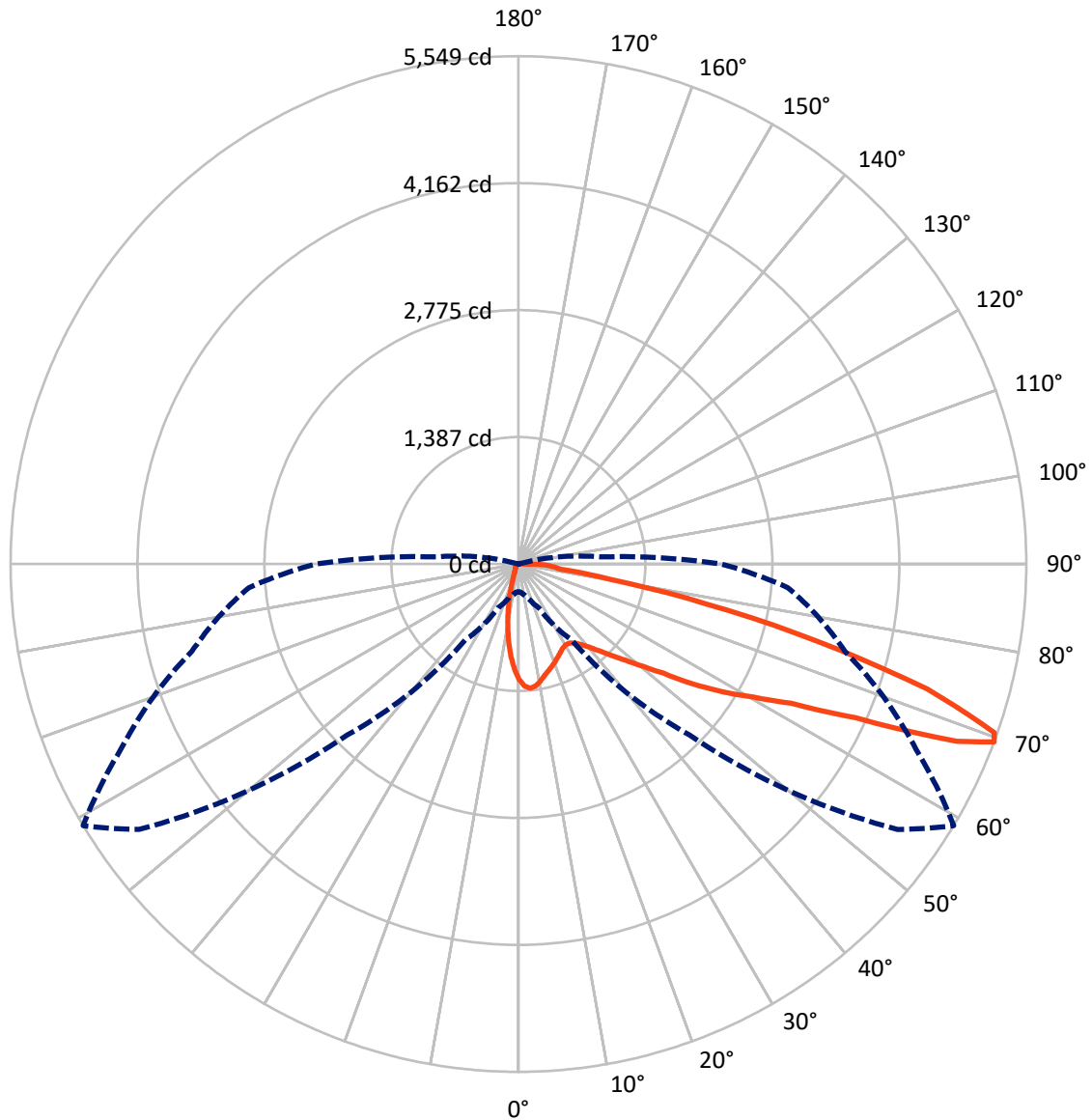


Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P200609

CATALOG NUMBER: GPC-AF-01-LED-E1-SL3-8030-1200-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P200609

CATALOG NUMBER: GPC-AF-01-LED-E1-SL3-8030-1200-HSS

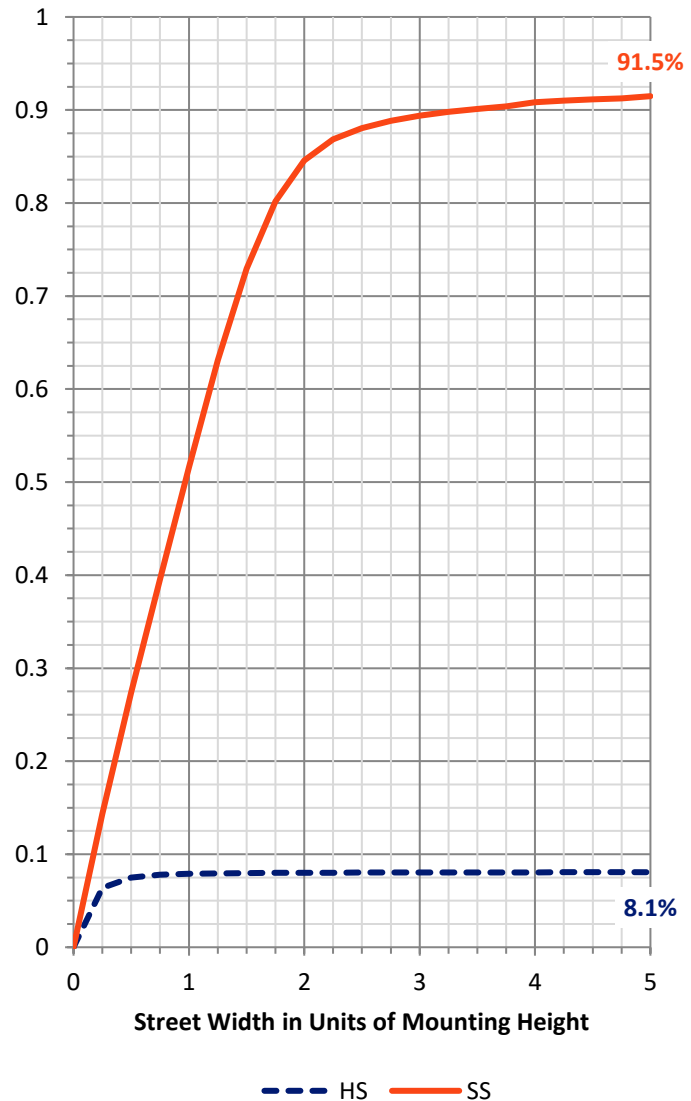
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	395.9	0.0	395.9
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4466.0	0.0	4466.0
	% Fixture	91.9	0.0	91.9
Total	Lumens	4862.0	0.0	4862.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	2.1
10°-20°	212.3	4.4
20°-30°	285.6	5.9
30°-40°	414.7	8.5
40°-50°	690.5	14.2
50°-60°	1077.1	22.2
60°-70°	1332.9	27.4
70°-80°	675.5	13.9
80°-90°	70.7	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4862.0	100.0
0°-180°	4862.0	100.0



REPORT NUMBER: P200609

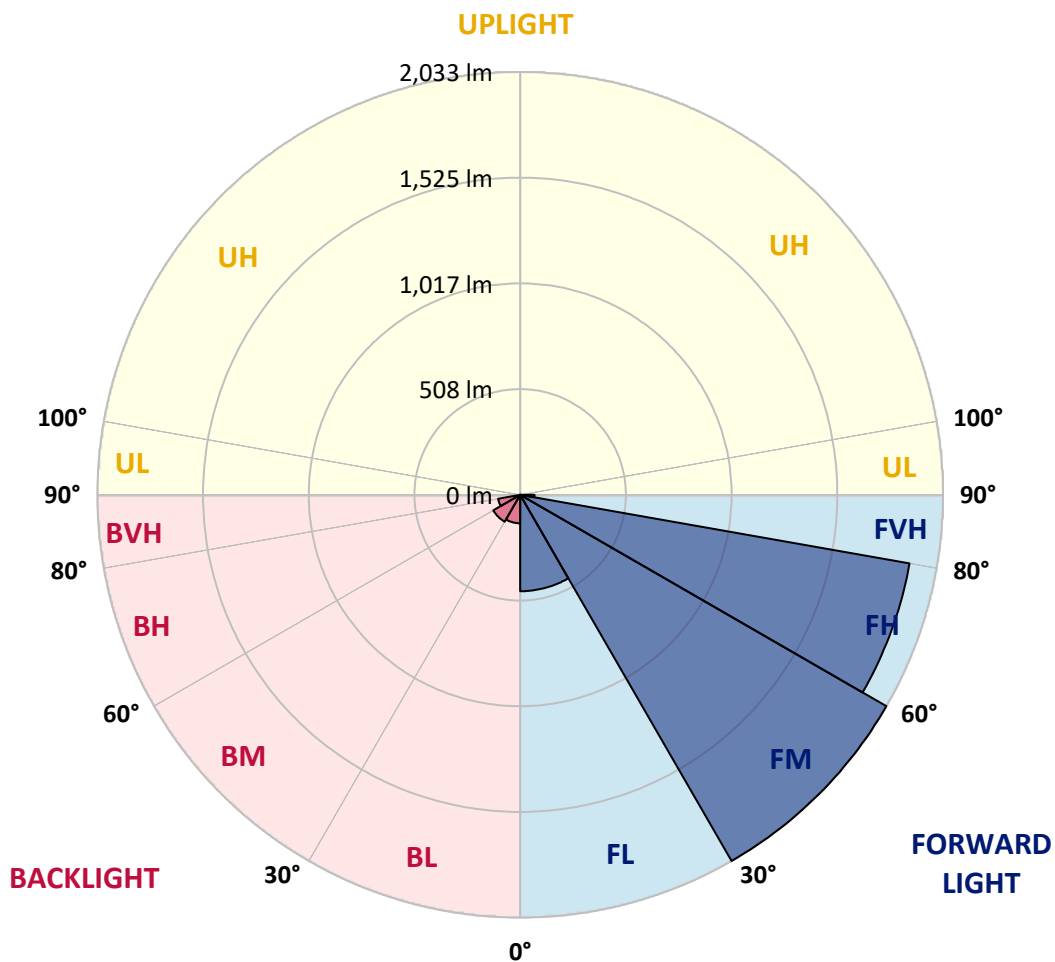
CATALOG NUMBER: GPC-AF-01-LED-E1-SL3-8030-1200-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	463.5	9.5			
FM	(30°-60°)	2033.1	41.8			
FH	(60°-80°)	1900.9	39.1			G2/5000
FVH	(80°-90°)	68.5	1.4			G1/100
BL	(0°-30°)	137.0	2.8	B1/500		
BM	(30°-60°)	149.2	3.1	B0/220		
BH	(60°-80°)	107.5	2.2	B0/110		G0/110
BVH	(80°-90°)	2.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





REPORT NUMBER: P200609

CATALOG NUMBER: GPC-AF-01-LED-E1-SL3-8030-1200-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5
2.5°	1387.0	1386.5	1380.4	1377.7	1372.7	1362.3	1346.1	1337.5	1323.8	1299.9	1267.7
5°	1374.4	1381.0	1384.6	1384.8	1388.4	1384.6	1370.0	1362.8	1343.9	1305.4	1247.6
7.5°	1288.6	1291.1	1301.3	1310.1	1327.1	1343.3	1348.5	1345.5	1334.2	1293.0	1216.3
10°	1196.8	1199.3	1211.3	1222.9	1246.0	1271.0	1297.4	1302.9	1307.6	1275.4	1186.1
12.5°	1117.6	1120.1	1132.4	1147.6	1174.5	1205.3	1246.3	1255.3	1276.0	1258.6	1161.9
15°	1049.4	1050.5	1062.6	1081.3	1113.5	1153.1	1199.5	1214.1	1245.7	1246.8	1140.7
17.5°	991.4	994.2	1001.6	1019.4	1054.6	1103.6	1157.7	1178.6	1215.7	1236.9	1120.1
20°	955.9	958.7	958.4	968.3	999.9	1052.2	1115.9	1141.0	1186.1	1226.7	1101.7
22.5°	949.1	949.1	941.9	940.5	959.2	1003.0	1072.5	1103.0	1159.4	1222.3	1088.7
25°	973.5	972.4	954.6	940.0	940.8	966.9	1030.4	1066.7	1136.8	1225.4	1081.9
27.5°	1025.2	1023.8	1001.3	973.5	951.3	951.0	998.6	1037.6	1119.0	1239.7	1084.6
30°	1096.7	1096.2	1071.7	1036.8	996.4	959.2	987.6	1023.0	1107.4	1265.5	1090.9
32.5°	1174.8	1174.0	1155.5	1118.7	1067.6	996.4	999.1	1028.8	1110.7	1299.9	1106.3
35°	1257.5	1256.2	1248.2	1216.0	1159.7	1064.8	1037.0	1060.1	1131.6	1351.3	1136.6
37.5°	1347.2	1348.5	1354.3	1323.5	1264.4	1160.8	1100.6	1116.2	1173.7	1421.1	1185.8
40°	1479.4	1479.1	1481.1	1440.6	1383.7	1278.2	1189.4	1194.3	1244.1	1513.8	1260.6
42.5°	1719.4	1702.7	1651.8	1569.3	1512.1	1412.3	1301.3	1296.0	1330.1	1628.4	1365.3
45°	2041.9	2006.2	1874.2	1716.1	1643.0	1563.5	1439.0	1422.2	1443.9	1766.2	1494.5
47.5°	2319.3	2282.2	2095.5	1869.0	1781.8	1707.1	1600.4	1570.1	1577.3	1920.4	1658.4
50°	2413.6	2395.5	2232.4	2002.1	1916.3	1887.7	1787.6	1750.8	1740.6	2098.8	1848.4
52.5°	2380.9	2379.5	2270.9	2088.4	2039.4	2074.6	2023.2	1980.6	1943.2	2286.9	2041.6
55°	2328.4	2335.3	2286.6	2164.0	2162.3	2245.4	2345.4	2310.0	2201.7	2491.2	2208.3
57.5°	2183.5	2212.9	2277.8	2307.0	2374.6	2459.5	2613.8	2634.7	2506.6	2647.6	2346.5
60°	1771.7	1836.3	2048.5	2327.6	2648.1	2859.8	2937.6	2955.5	2756.7	2777.6	2533.2
62.5°	1257.5	1323.5	1592.7	2064.7	2652.3	3385.8	3420.2	3350.0	3032.2	2970.4	2855.2
65°	667.5	718.4	938.3	1490.4	2299.5	3507.9	4263.9	4055.0	3518.3	3349.5	3271.1
67.5°	341.5	356.9	444.3	729.4	1580.9	3115.8	5020.3	5167.3	4356.0	3725.6	3251.1
69°	302.2	311.2	369.2	527.3	1012.3	2639.1	5057.1	5549.2	4794.5	3694.3	2954.4
70°	292.5	300.5	353.3	477.3	791.3	2213.2	4916.1	5515.7	4906.7	3574.9	2732.8
72.5°	248.3	255.1	314.5	421.7	643.1	1098.6	3993.4	4673.8	4403.0	2978.1	1978.1
75°	166.1	188.6	301.9	395.4	598.3	624.1	2632.7	3377.5	3137.5	2008.7	1030.4
77.5°	39.9	42.9	85.2	314.5	547.1	549.3	1354.0	2099.7	1712.6	715.9	243.6
80°	21.4	20.6	23.9	62.4	509.4	515.5	609.5	1019.2	611.4	118.8	80.3
82.5°	15.1	14.3	15.4	26.1	160.3	469.6	441.0	461.3	253.5	45.6	36.0
85°	5.5	5.2	8.5	23.6	50.3	270.0	453.1	380.5	205.4	20.9	26.4
87.5°	1.9	1.6	3.3	12.9	15.4	114.9	279.6	287.6	80.8	12.6	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P200609

CATALOG NUMBER: GPC-AF-01-LED-E1-SL3-8030-1200-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5
2.5°	1254.2	1237.2	1205.9	1173.7	1144.0	1108.3	1090.4	1072.8	1065.4	1062.6	1049.7
5°	1217.9	1189.1	1122.5	1055.7	994.2	928.7	885.6	850.9	830.6	820.7	805.0
7.5°	1171.5	1124.2	1023.3	920.2	824.2	729.7	659.6	605.7	568.6	550.7	534.5
10°	1126.4	1063.4	919.9	779.4	649.1	523.7	427.0	356.9	312.0	291.4	278.2
12.5°	1086.0	1004.3	820.1	642.2	478.7	331.8	233.4	177.6	149.8	140.2	135.5
15°	1050.0	949.9	725.8	511.9	324.1	189.7	127.6	108.6	104.2	104.2	103.6
17.5°	1015.9	896.6	634.8	389.6	203.4	116.0	97.1	94.6	94.6	95.7	95.7
20°	983.2	845.7	546.8	279.6	128.1	92.1	87.7	87.2	87.7	89.1	89.1
22.5°	955.1	799.5	464.6	191.9	95.1	83.0	80.8	80.0	80.3	81.1	81.7
25°	934.2	760.5	387.1	130.0	81.9	75.6	73.1	71.8	70.7	70.7	71.2
27.5°	921.0	727.5	312.0	94.6	73.7	68.7	64.9	62.7	60.2	58.8	59.4
30°	911.4	696.1	241.7	77.3	66.0	61.0	56.1	52.5	48.9	47.3	47.8
32.5°	907.8	670.8	180.6	68.2	59.1	53.6	47.6	42.9	39.0	37.7	37.9
35°	917.4	650.8	132.2	61.6	53.6	46.7	39.9	34.6	31.6	30.8	31.1
37.5°	942.7	640.0	99.0	56.1	48.7	41.0	33.3	28.3	26.4	26.4	26.7
40°	990.6	639.8	79.5	52.2	44.3	35.5	27.5	23.9	22.8	23.4	23.6
42.5°	1060.4	654.3	69.3	48.7	40.4	30.2	22.8	20.3	20.1	20.6	20.9
45°	1155.8	681.0	63.8	45.6	36.3	25.3	19.2	17.6	17.6	18.4	18.7
47.5°	1272.7	720.0	59.1	42.6	32.2	21.2	16.5	15.4	15.7	16.5	16.8
50°	1413.4	769.3	54.4	39.3	29.1	17.6	14.3	13.5	13.7	14.8	15.1
52.5°	1573.7	835.5	50.6	36.3	25.3	14.6	12.1	11.5	12.1	13.2	13.5
55°	1711.2	894.9	45.9	33.8	20.3	12.1	9.9	9.9	10.4	11.8	12.1
57.5°	1843.4	957.0	41.8	29.1	15.9	9.6	8.2	8.5	9.3	10.7	11.0
60°	2037.5	1062.3	36.8	24.5	12.1	7.7	6.9	7.1	8.2	9.6	9.9
62.5°	2367.2	1222.6	31.9	20.3	9.3	6.0	5.5	6.0	7.4	9.1	9.3
65°	2664.6	1287.8	26.1	17.0	7.1	4.7	4.7	5.5	7.1	8.8	9.1
67.5°	2498.9	1084.1	20.3	13.5	5.5	3.6	3.8	5.2	6.9	8.8	9.1
69°	2209.9	886.4	17.3	10.7	4.7	3.3	3.6	5.2	6.9	8.5	8.8
70°	1984.7	748.4	15.4	9.1	4.1	3.3	3.6	4.9	6.9	8.5	8.8
72.5°	1329.3	404.1	12.4	6.6	3.8	3.0	3.0	4.9	6.6	8.2	8.5
75°	571.3	111.6	9.9	4.7	3.3	2.7	2.7	4.7	6.3	8.0	8.5
77.5°	104.5	28.3	8.0	4.1	3.3	2.7	2.5	4.4	6.0	7.7	8.0
80°	41.5	14.0	6.3	3.6	3.0	2.5	2.2	4.1	5.8	7.4	7.7
82.5°	25.0	8.0	5.2	3.3	3.0	2.2	1.9	3.6	5.5	7.1	7.4
85°	20.3	5.5	4.1	3.3	2.7	2.2	1.6	3.3	4.9	6.9	7.1
87.5°	9.9	3.8	3.8	3.0	2.7	2.2	1.6	3.0	4.7	6.6	6.9
90°	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)