

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: P199965

Luminaire Tested: **GPC-AF-01-LED-E1-SL3-7030-800-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199965
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-SL3-7030-800-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 4243.6 lumens
Efficiency: N/A
Efficacy: 96.4 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 - G1

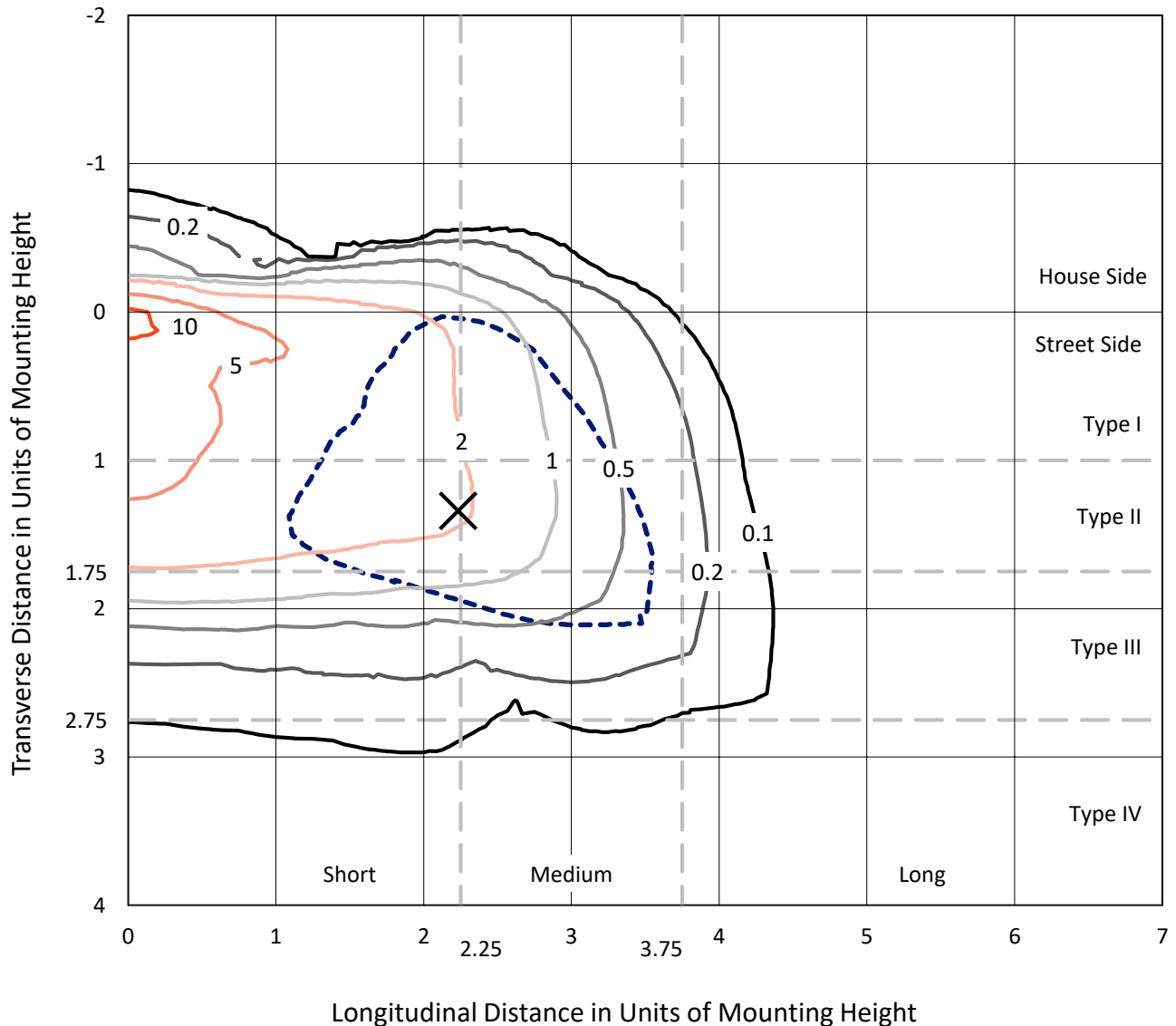
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P199965
 CATALOG NUMBER: GPC-AF-01-LED-E1-SL3-7030-800-HSS

Iso-Footcandle Lines of Horizontal Illumination

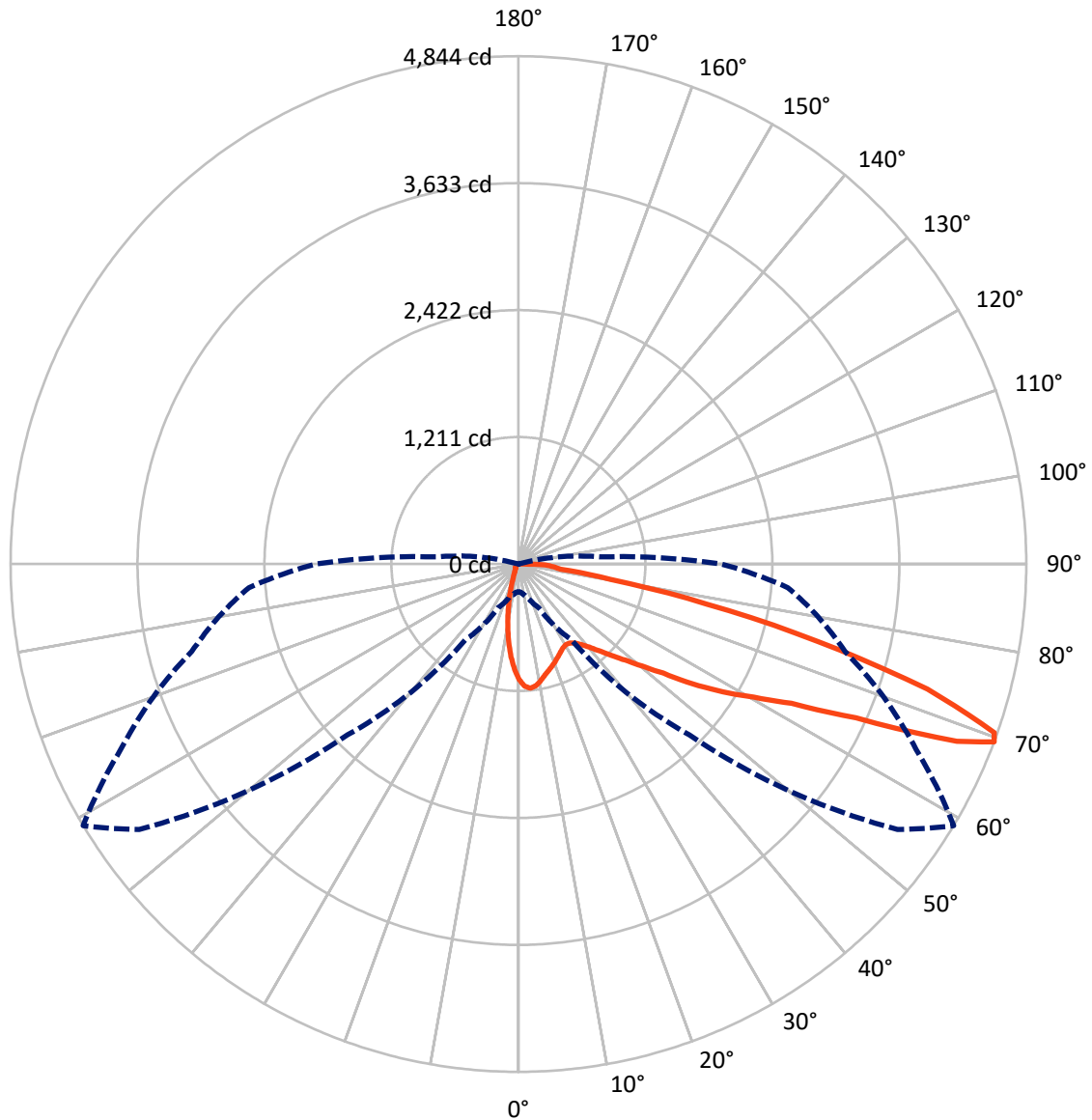
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P199965
CATALOG NUMBER: GPC-AF-01-LED-E1-SL3-7030-800-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P199965

CATALOG NUMBER: GPC-AF-01-LED-E1-SL3-7030-800-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	345.6	0.0	345.6
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3898.0	0.0	3898.0
	% Fixture	91.9	0.0	91.9
Total	Lumens	4243.6	0.0	4243.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	2.1
10°-20°	185.3	4.4
20°-30°	249.3	5.9
30°-40°	362.0	8.5
40°-50°	602.7	14.2
50°-60°	940.2	22.2
60°-70°	1163.4	27.4
70°-80°	589.6	13.9
80°-90°	61.7	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°	4243.6	100.0
0°-180°	4243.6	100.0



REPORT NUMBER: P199965

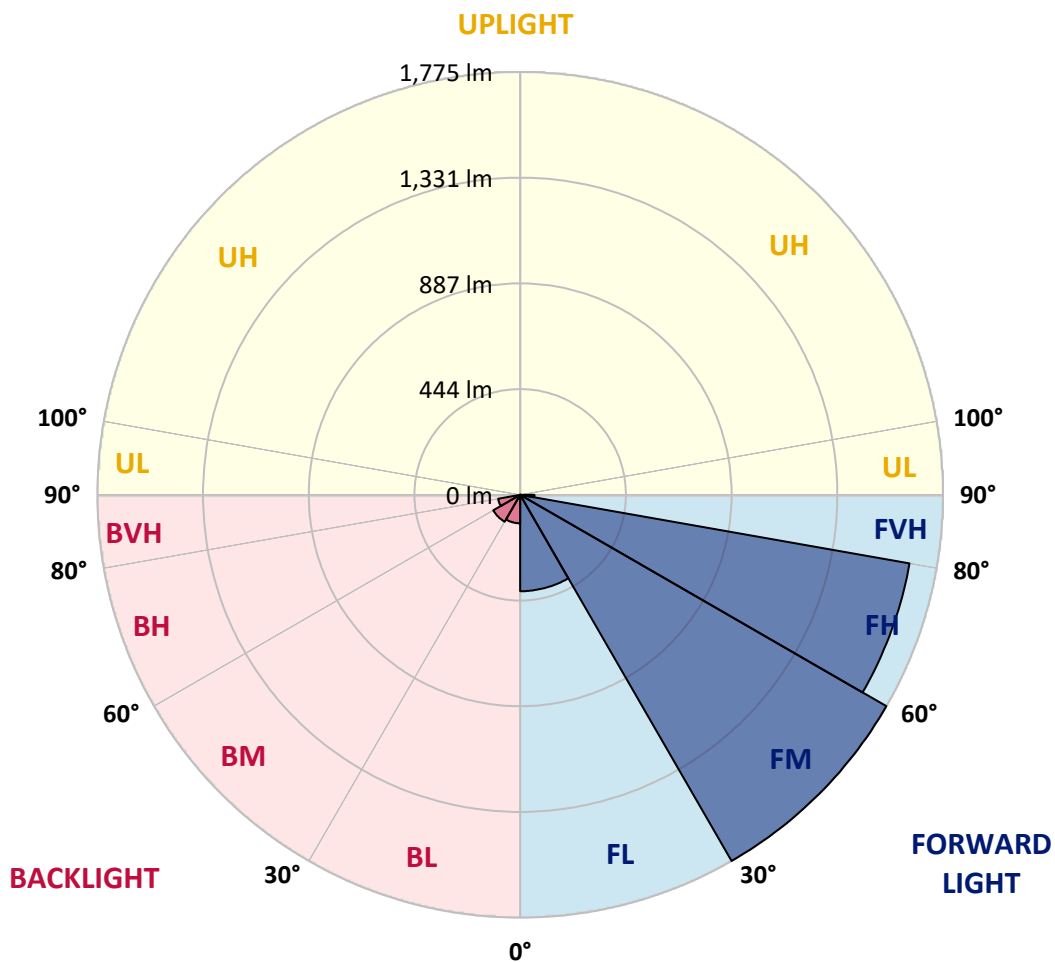
CATALOG NUMBER: GPC-AF-01-LED-E1-SL3-7030-800-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	404.6	9.5			
FM	(30°-60°)	1774.6	41.8			
FH	(60°-80°)	1659.1	39.1			G1/1800
FVH	(80°-90°)	59.8	1.4			G1/100
BL	(0°-30°)	119.6	2.8	B1/500		
BM	(30°-60°)	130.2	3.1	B0/220		
BH	(60°-80°)	93.9	2.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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-G1

Type III Short





REPORT NUMBER: P199965

CATALOG NUMBER: GPC-AF-01-LED-E1-SL3-7030-800-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6
2.5°	1210.6	1210.1	1204.9	1202.5	1198.1	1189.1	1174.9	1167.4	1155.4	1134.5	1106.5
5°	1199.5	1205.3	1208.5	1208.7	1211.8	1208.5	1195.8	1189.5	1172.9	1139.3	1089.0
7.5°	1124.8	1126.9	1135.8	1143.4	1158.2	1172.5	1177.0	1174.4	1164.6	1128.5	1061.6
10°	1044.5	1046.7	1057.3	1067.4	1087.5	1109.3	1132.4	1137.2	1141.3	1113.3	1035.2
12.5°	975.4	977.7	988.5	1001.6	1025.2	1052.0	1087.7	1095.7	1113.7	1098.6	1014.2
15°	915.9	916.9	927.5	943.8	971.9	1006.4	1046.9	1059.7	1087.2	1088.2	995.6
17.5°	865.4	867.7	874.2	889.8	920.5	963.2	1010.5	1028.6	1061.1	1079.6	977.7
20°	834.3	836.7	836.5	845.1	872.8	918.4	974.0	995.9	1035.2	1070.7	961.6
22.5°	828.4	828.4	822.0	821.0	837.3	875.3	936.2	962.8	1012.0	1066.9	950.2
25°	849.7	848.7	833.2	820.4	821.2	843.9	899.4	931.1	992.3	1069.5	944.2
27.5°	894.9	893.6	874.0	849.7	830.3	830.1	871.6	905.6	976.7	1082.0	946.6
30°	957.2	956.8	935.4	904.8	869.6	837.3	861.9	892.8	966.6	1104.6	952.2
32.5°	1025.4	1024.7	1008.6	976.4	931.8	869.6	872.0	898.0	969.4	1134.5	965.7
35°	1097.6	1096.4	1089.5	1061.4	1012.2	929.4	905.1	925.3	987.7	1179.5	992.0
37.5°	1175.8	1177.0	1182.0	1155.2	1103.6	1013.2	960.6	974.3	1024.5	1240.4	1035.0
40°	1291.2	1291.0	1292.6	1257.5	1207.8	1115.6	1038.1	1042.5	1085.8	1321.3	1100.2
42.5°	1500.7	1486.2	1441.6	1369.7	1319.9	1232.7	1135.8	1131.2	1161.0	1421.4	1191.7
45°	1782.2	1751.0	1635.8	1497.8	1434.0	1364.6	1255.9	1241.3	1260.3	1541.5	1304.4
47.5°	2024.3	1991.9	1829.0	1631.2	1555.2	1490.0	1396.9	1370.4	1376.6	1676.1	1447.4
50°	2106.6	2090.7	1948.5	1747.4	1672.5	1647.6	1560.2	1528.1	1519.2	1831.8	1613.3
52.5°	2078.1	2076.9	1982.1	1822.8	1780.1	1810.8	1765.8	1728.7	1696.0	1996.0	1782.0
55°	2032.2	2038.2	1995.8	1888.8	1887.4	1959.8	2047.2	2016.2	1921.7	2174.4	1927.5
57.5°	1905.8	1931.4	1988.1	2013.5	2072.5	2146.7	2281.4	2299.6	2187.8	2310.9	2048.1
60°	1546.3	1602.8	1788.0	2031.5	2311.4	2496.1	2564.0	2579.6	2406.1	2424.4	2211.1
62.5°	1097.6	1155.2	1390.1	1802.1	2314.9	2955.1	2985.2	2924.0	2646.6	2592.6	2491.9
65°	582.7	627.0	819.0	1300.8	2007.1	3061.7	3721.6	3539.2	3070.8	2923.4	2855.1
67.5°	298.1	311.5	387.8	636.7	1379.8	2719.6	4381.8	4510.1	3802.0	3251.8	2837.6
69°	263.8	271.6	322.4	460.2	883.6	2303.4	4414.0	4843.5	4184.7	3224.5	2578.6
70°	255.3	262.3	308.3	416.6	690.6	1931.7	4290.8	4814.2	4282.6	3120.2	2385.2
72.5°	216.7	222.7	274.6	368.1	561.3	958.9	3485.5	4079.4	3843.0	2599.3	1726.6
75°	145.0	164.7	263.6	345.0	522.1	544.7	2297.9	2948.0	2738.5	1753.2	899.4
77.5°	34.8	37.4	74.4	274.6	477.6	479.4	1181.8	1832.6	1494.7	624.9	212.6
80°	18.7	18.0	20.9	54.5	444.6	449.9	532.0	889.6	533.7	103.7	70.0
82.5°	13.2	12.4	13.4	22.8	139.9	409.8	384.9	402.6	221.2	39.9	31.4
85°	4.8	4.6	7.4	20.6	43.9	235.7	395.4	332.1	179.3	18.2	23.1
87.5°	1.6	1.4	2.8	11.3	13.4	100.3	244.0	251.0	70.6	11.0	10.8
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: P199965

CATALOG NUMBER: GPC-AF-01-LED-E1-SL3-7030-800-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6
2.5°	1094.7	1079.8	1052.5	1024.5	998.5	967.3	951.6	936.4	929.9	927.5	916.1
5°	1063.1	1037.9	979.7	921.5	867.7	810.6	772.9	742.8	724.9	716.3	702.6
7.5°	1022.4	981.2	893.2	803.2	719.4	636.9	575.7	528.6	496.2	480.6	466.5
10°	983.2	928.1	802.9	680.2	566.5	457.1	372.7	311.5	272.4	254.3	242.9
12.5°	947.9	876.6	715.8	560.6	417.8	289.6	203.8	155.0	130.8	122.4	118.3
15°	916.4	829.1	633.4	446.8	282.9	165.5	111.3	94.8	90.9	90.9	90.4
17.5°	886.6	782.6	554.1	340.1	177.5	101.3	84.6	82.6	82.6	83.5	83.5
20°	858.1	738.1	477.3	244.0	111.8	80.5	76.6	76.1	76.6	77.8	77.8
22.5°	833.6	697.8	405.6	167.5	83.0	72.4	70.6	69.8	70.0	70.8	71.2
25°	815.4	663.8	337.8	113.5	71.4	66.0	63.8	62.6	61.6	61.6	62.2
27.5°	803.9	634.9	272.4	82.6	64.4	60.0	56.6	54.7	52.6	51.4	51.8
30°	795.5	607.6	211.0	67.4	57.6	53.3	48.9	45.8	42.7	41.3	41.7
32.5°	792.3	585.5	157.7	59.5	51.6	46.8	41.5	37.4	34.1	32.9	33.1
35°	800.8	568.0	115.4	53.7	46.8	40.8	34.8	30.3	27.7	26.9	27.1
37.5°	822.8	558.7	86.5	48.9	42.5	35.7	29.1	24.7	23.1	23.1	23.3
40°	864.6	558.5	69.4	45.6	38.7	30.9	24.0	20.9	19.8	20.4	20.6
42.5°	925.5	571.1	60.4	42.5	35.3	26.4	19.8	17.8	17.5	18.0	18.2
45°	1008.8	594.4	55.7	39.9	31.6	22.1	16.8	15.4	15.4	16.1	16.3
47.5°	1110.8	628.5	51.6	37.1	28.1	18.5	14.4	13.4	13.6	14.4	14.6
50°	1233.6	671.4	47.5	34.3	25.4	15.4	12.4	11.8	12.0	13.0	13.2
52.5°	1373.6	729.3	44.1	31.6	22.1	12.7	10.6	10.1	10.6	11.5	11.8
55°	1493.6	781.1	40.1	29.5	17.8	10.6	8.6	8.6	9.1	10.3	10.6
57.5°	1609.0	835.3	36.5	25.4	13.8	8.4	7.2	7.4	8.2	9.4	9.7
60°	1778.4	927.2	32.1	21.3	10.6	6.7	6.0	6.2	7.2	8.4	8.6
62.5°	2066.1	1067.1	27.9	17.8	8.2	5.3	4.8	5.3	6.4	7.8	8.2
65°	2325.7	1124.0	22.8	14.9	6.2	4.1	4.1	4.8	6.2	7.6	7.8
67.5°	2181.1	946.1	17.8	11.8	4.8	3.2	3.4	4.6	6.0	7.6	7.8
69°	1928.9	773.7	15.1	9.4	4.1	2.8	3.2	4.6	6.0	7.4	7.6
70°	1732.3	653.2	13.4	7.8	3.6	2.8	3.2	4.4	6.0	7.4	7.6
72.5°	1160.3	352.8	10.8	5.8	3.4	2.6	2.6	4.4	5.8	7.2	7.4
75°	498.7	97.5	8.6	4.1	2.8	2.4	2.4	4.1	5.6	7.0	7.4
77.5°	91.2	24.7	7.0	3.6	2.8	2.4	2.1	3.9	5.3	6.7	7.0
80°	36.3	12.2	5.6	3.2	2.6	2.1	1.9	3.6	5.0	6.4	6.7
82.5°	21.9	7.0	4.6	2.8	2.6	1.9	1.6	3.2	4.8	6.2	6.4
85°	17.8	4.8	3.6	2.8	2.4	1.9	1.4	2.8	4.4	6.0	6.2
87.5°	8.6	3.4	3.4	2.6	2.4	1.9	1.4	2.6	4.1	5.8	6.0
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)