

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: P199981

Luminaire Tested: **GPC-AF-01-LED-E1-SL4-7030-800-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24301)
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-SL4-7030-800-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4031.7 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

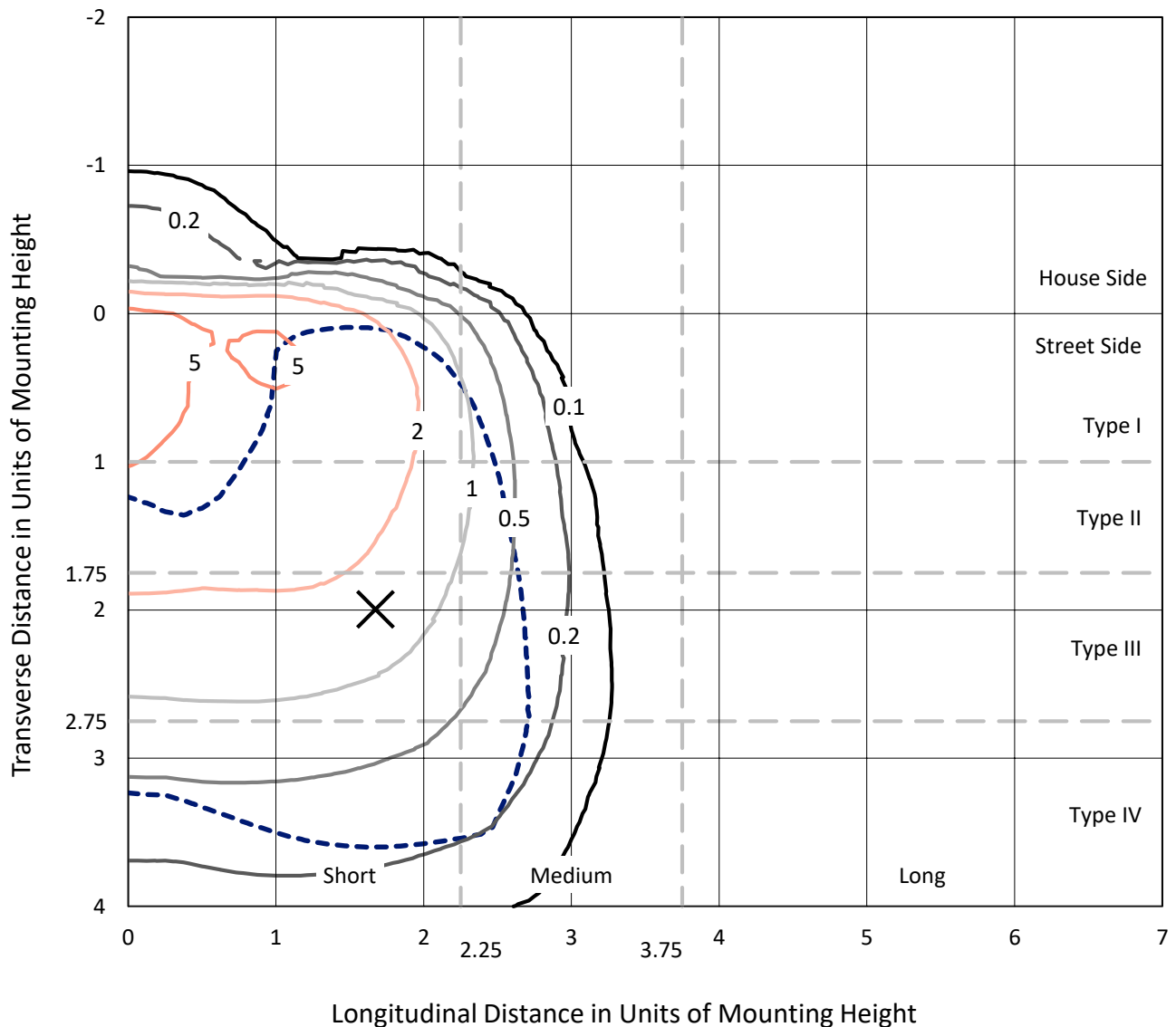
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P199981
 CATALOG NUMBER: GPC-AF-01-LED-E1-SL4-7030-800-HSS

Iso-Footcandle Lines of Horizontal Illumination

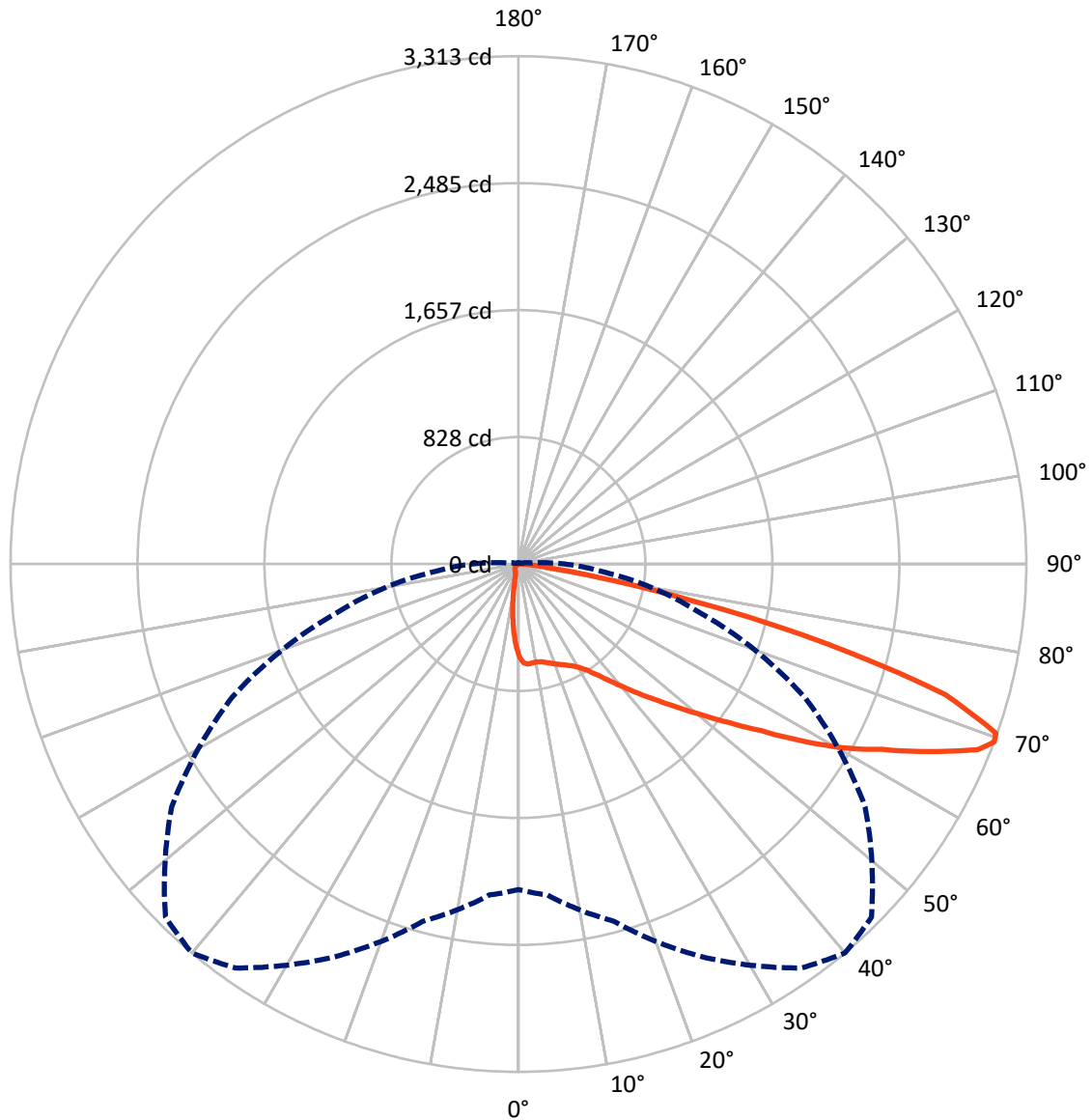
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P199981
CATALOG NUMBER: GPC-AF-01-LED-E1-SL4-7030-800-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P199981

CATALOG NUMBER: GPC-AF-01-LED-E1-SL4-7030-800-HSS

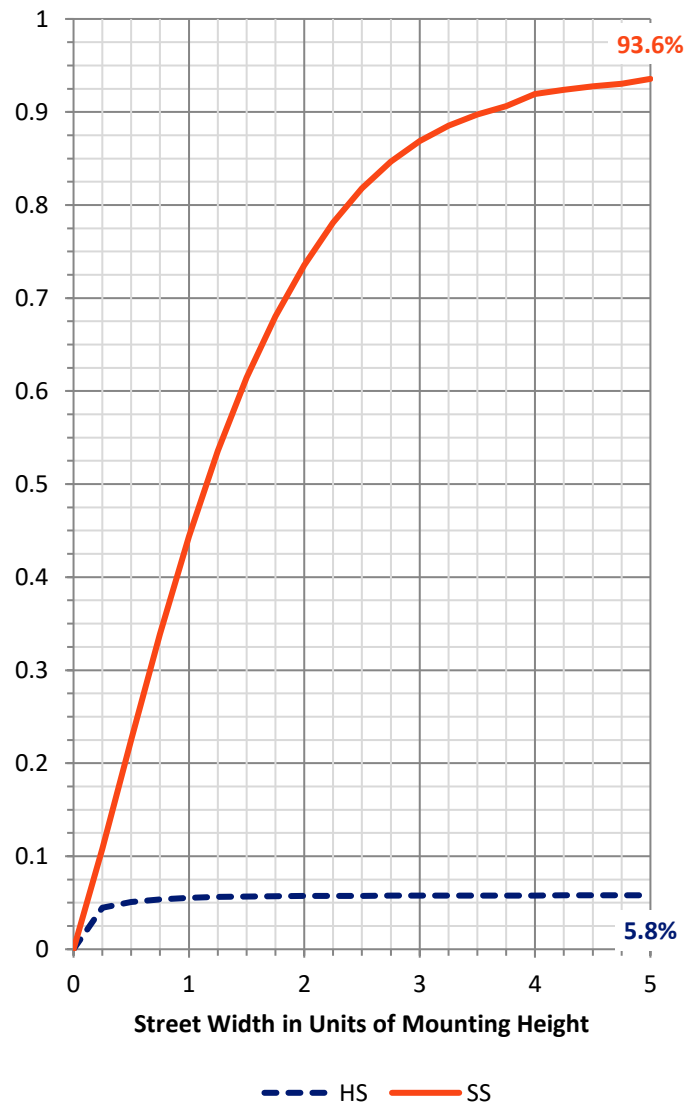
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	235.9	0.0	235.9
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	3795.8	0.0	3795.8
	% Fixture	94.1	0.0	94.1
Total	Lumens	4031.7	0.0	4031.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	1.2
10°-20°	120.1	3.0
20°-30°	202.3	5.0
30°-40°	331.2	8.2
40°-50°	573.4	14.2
50°-60°	903.2	22.4
60°-70°	1179.5	29.3
70°-80°	607.5	15.1
80°-90°	65.7	1.6
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°	4031.7	100.0
0°-180°	4031.7	100.0

Coefficient of Utilization



REPORT NUMBER: P199981

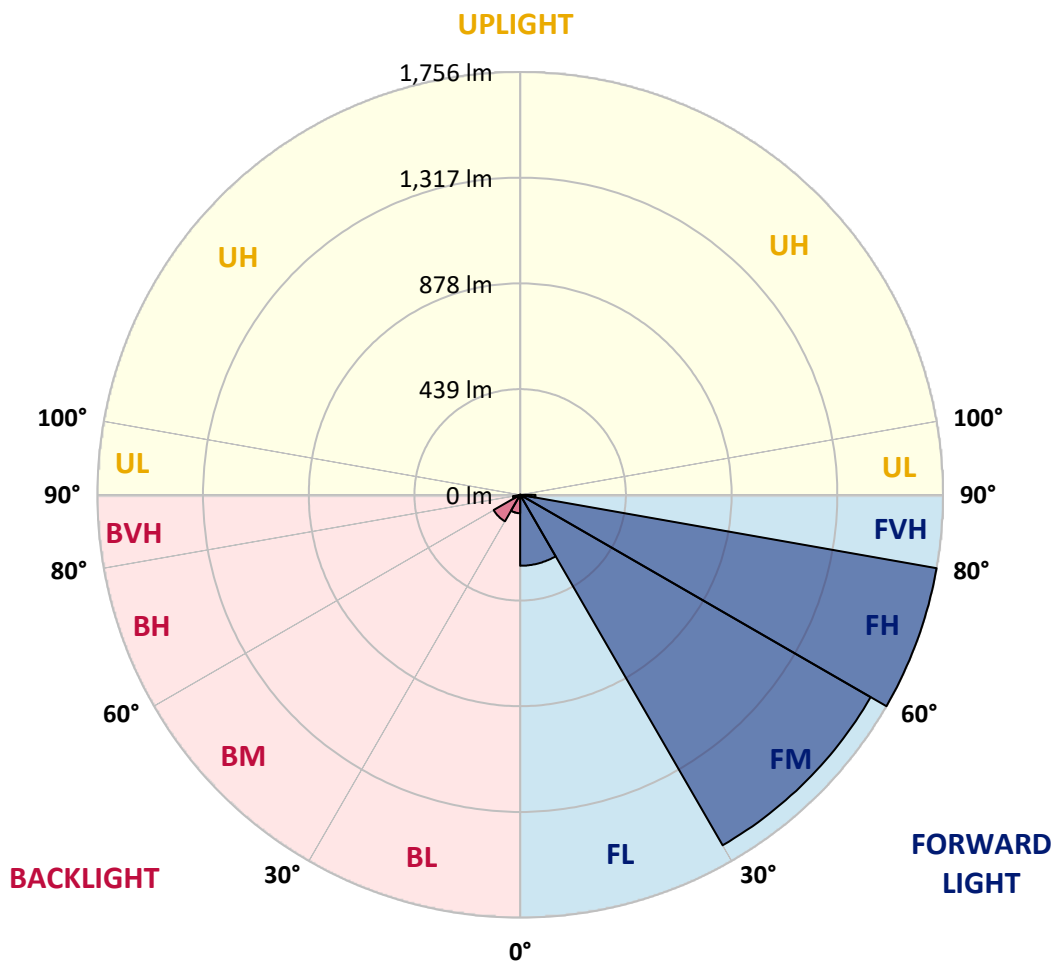
CATALOG NUMBER: GPC-AF-01-LED-E1-SL4-7030-800-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	294.8	7.3			
FM	(30°-60°)	1680.9	41.7			
FH	(60°-80°)	1756.4	43.6			G1/1800
FVH	(80°-90°)	63.6	1.6			G1/100
BL	(0°-30°)	76.4	1.9	B0/110		
BM	(30°-60°)	126.8	3.1	B0/220		
BH	(60°-80°)	30.6	0.8	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





REPORT NUMBER: P199981

CATALOG NUMBER: GPC-AF-01-LED-E1-SL4-7030-800-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	602.3	602.3	602.3	602.3	602.3	602.3	602.3	602.3	602.3	602.3	602.3
2.5°	661.3	657.7	655.7	652.8	649.1	646.0	644.8	636.0	627.5	616.0	602.8
5°	673.6	672.4	668.5	664.8	660.5	655.7	653.0	642.5	630.4	613.6	590.5
7.5°	674.7	673.4	668.5	663.3	657.3	651.5	647.1	636.4	625.4	608.3	580.2
10°	672.9	671.2	667.6	661.9	654.5	648.9	644.3	634.2	625.0	609.5	578.3
12.5°	670.8	669.1	667.3	664.6	658.1	654.1	650.3	640.7	632.4	619.4	585.3
15°	672.9	672.0	673.9	672.7	669.1	665.7	661.9	653.3	645.5	634.8	598.0
17.5°	682.0	682.0	688.0	688.8	685.4	680.5	675.1	666.4	659.9	650.8	613.2
20°	703.4	702.6	710.3	711.9	703.6	696.2	688.0	677.5	672.4	666.7	628.0
22.5°	740.1	736.7	741.4	739.9	723.8	712.3	702.2	689.2	686.5	684.0	644.6
25°	787.9	785.9	789.1	774.8	746.6	731.0	719.0	704.4	704.4	707.0	663.3
27.5°	857.2	850.0	839.4	814.5	772.0	752.1	739.1	723.6	727.6	737.5	688.0
30°	928.2	920.3	896.0	857.6	802.9	782.1	767.0	750.6	760.2	778.3	721.1
32.5°	998.3	989.5	955.2	906.7	847.5	826.5	811.9	793.9	809.9	840.2	769.6
35°	1066.3	1058.2	1018.8	961.6	906.5	889.2	875.7	860.1	880.7	922.9	838.0
37.5°	1142.6	1133.9	1085.7	1023.8	978.2	965.7	955.8	940.2	976.2	1038.2	933.3
40°	1236.4	1221.7	1156.7	1095.0	1061.2	1055.2	1048.5	1046.2	1102.2	1187.8	1060.3
42.5°	1343.9	1319.9	1231.2	1170.1	1152.3	1156.7	1155.0	1164.6	1259.9	1374.2	1214.8
45°	1451.4	1420.5	1313.9	1250.3	1252.6	1267.9	1277.1	1315.6	1457.4	1587.7	1381.0
47.5°	1542.6	1512.1	1393.3	1336.9	1365.7	1395.5	1420.9	1493.7	1660.4	1798.0	1510.4
50°	1620.7	1591.8	1477.5	1432.2	1497.0	1545.0	1586.2	1694.1	1878.8	1958.0	1601.2
52.5°	1684.4	1665.2	1564.9	1541.4	1647.0	1717.3	1777.7	1906.9	2072.2	2088.1	1671.6
55°	1746.6	1732.9	1658.8	1671.2	1823.1	1918.9	1995.4	2132.7	2238.8	2196.5	1739.4
57.5°	1818.1	1805.6	1765.7	1835.9	2054.7	2175.2	2258.7	2332.9	2385.4	2307.4	1803.3
60°	1891.1	1883.8	1884.8	2018.7	2320.6	2436.3	2482.4	2501.6	2529.4	2411.8	1806.8
62.5°	1960.6	1974.4	2020.9	2222.3	2575.2	2664.1	2687.3	2706.3	2673.6	2428.4	1669.3
65°	2078.4	2100.8	2212.0	2494.6	2855.3	2950.3	2974.4	2909.2	2696.4	2214.2	1357.8
67.5°	2136.0	2176.9	2375.1	2748.5	3127.0	3232.6	3223.7	2922.4	2419.8	1688.5	871.4
69°	2124.1	2167.4	2412.8	2826.2	3217.1	3313.0	3256.6	2761.0	2061.4	1223.1	535.0
70°	2076.6	2120.5	2393.4	2823.4	3228.7	3304.5	3195.7	2561.6	1743.0	894.4	334.6
72.5°	1734.1	1771.9	2124.8	2552.0	2974.4	2912.7	2673.3	1774.7	849.3	243.5	75.4
75°	1067.5	1088.5	1524.6	1922.5	2246.5	2088.1	1781.2	883.0	253.2	68.9	41.7
77.5°	564.0	573.5	834.6	1133.2	1424.0	1178.3	912.9	344.3	116.6	43.1	30.3
80°	333.3	340.6	449.5	518.1	616.2	514.7	365.0	211.4	83.5	27.1	26.9
82.5°	190.7	195.3	325.9	288.0	242.9	207.4	181.7	200.4	50.1	18.2	27.9
85°	70.0	71.0	183.3	219.1	144.4	85.9	90.2	166.1	13.4	11.5	21.9
87.5°	32.7	31.9	94.3	134.2	84.4	54.5	70.4	36.5	5.3	7.4	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



REPORT NUMBER: P199981

CATALOG NUMBER: GPC-AF-01-LED-E1-SL4-7030-800-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	602.3	602.3	602.3	602.3	602.3	602.3	602.3	602.3	602.3	602.3	602.3
2.5°	595.1	586.2	570.3	553.6	536.8	523.9	511.2	501.1	497.6	491.4	492.0
5°	576.9	560.6	526.9	492.9	457.4	428.1	400.6	378.2	367.4	356.4	356.4
7.5°	561.0	537.3	484.8	429.3	371.9	323.7	280.2	247.7	229.7	215.2	215.0
10°	555.0	523.0	449.5	370.1	290.1	224.4	172.7	139.7	122.6	111.6	111.1
12.5°	557.8	517.9	422.4	315.3	215.0	144.2	100.1	78.6	71.6	68.2	68.2
15°	565.4	516.5	395.3	261.7	151.9	90.2	66.4	60.7	60.2	60.2	60.2
17.5°	574.7	516.9	367.4	209.8	103.5	64.6	57.4	56.6	57.2	57.2	57.2
20°	584.3	517.2	337.4	161.4	72.9	56.2	54.0	53.7	54.2	54.2	54.5
22.5°	596.1	518.3	307.4	120.7	60.2	53.0	51.4	51.4	51.6	51.6	51.4
25°	609.5	520.7	276.2	89.5	54.9	51.0	49.3	49.1	49.3	49.1	48.9
27.5°	626.4	524.1	241.5	70.0	52.6	48.7	47.5	47.5	47.3	47.1	46.8
30°	647.5	527.9	202.3	59.5	50.1	46.8	45.6	45.4	45.2	44.7	44.7
32.5°	679.6	536.4	163.7	54.0	47.5	44.1	43.1	43.1	42.7	42.3	41.9
35°	729.1	553.0	129.2	50.6	44.7	41.3	40.1	40.1	39.6	39.4	39.2
37.5°	797.5	578.1	100.3	47.5	41.7	38.1	36.9	36.7	36.3	35.7	35.5
40°	888.4	609.3	79.0	44.7	38.9	35.1	34.1	33.7	32.7	31.9	31.9
42.5°	1002.7	644.8	64.0	41.5	35.5	32.1	31.4	30.7	29.1	28.3	28.1
45°	1122.2	676.8	54.2	37.9	32.1	29.3	28.9	27.7	25.4	24.7	24.7
47.5°	1208.3	684.2	47.7	34.5	29.1	26.1	25.9	23.7	21.9	21.3	21.1
50°	1262.1	669.5	42.5	31.2	26.1	23.3	22.5	19.8	18.7	18.2	18.0
52.5°	1298.3	643.4	38.1	28.3	23.5	20.6	19.0	17.1	16.1	15.7	15.7
55°	1327.3	606.4	33.9	25.6	21.3	18.5	16.1	14.6	13.6	13.2	13.2
57.5°	1335.4	556.2	29.5	23.5	19.2	16.3	13.6	12.7	11.5	11.3	11.3
60°	1276.2	465.8	26.1	20.9	17.3	14.2	12.0	10.8	9.7	9.4	9.1
62.5°	1120.0	360.4	23.1	18.5	15.1	12.2	10.3	8.8	7.8	7.8	7.8
65°	854.3	241.7	20.2	16.1	13.2	10.3	8.8	7.2	6.8	6.8	7.0
67.5°	511.5	131.5	17.3	13.6	11.3	8.6	7.4	6.2	6.0	6.2	6.2
69°	299.7	77.2	15.7	12.2	9.9	7.6	6.4	5.6	6.0	6.2	6.2
70°	184.9	52.1	14.4	11.0	8.8	7.0	6.0	5.3	5.8	6.0	6.0
72.5°	51.6	26.9	11.5	8.6	7.2	5.8	4.8	4.8	5.6	5.8	5.8
75°	33.7	19.8	8.8	6.4	5.6	4.6	4.1	4.6	5.3	5.6	5.6
77.5°	27.9	16.3	7.2	5.3	4.6	4.4	3.9	4.1	4.8	5.0	5.0
80°	25.4	11.5	5.8	4.8	4.1	3.9	3.6	3.4	4.4	4.6	4.6
82.5°	24.2	9.1	5.0	4.4	3.9	3.4	3.2	3.4	3.9	4.1	4.4
85°	15.1	6.0	4.6	4.1	3.4	3.2	3.2	3.2	3.6	3.9	3.9
87.5°	5.6	4.8	4.1	3.4	2.8	2.8	2.8	2.8	3.2	3.6	3.6
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)