

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: P200579

Luminaire Tested: **GPC-AF-01-LED-E1-RW-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
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-RW-8030-600
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3493 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B2 - U0 - G2

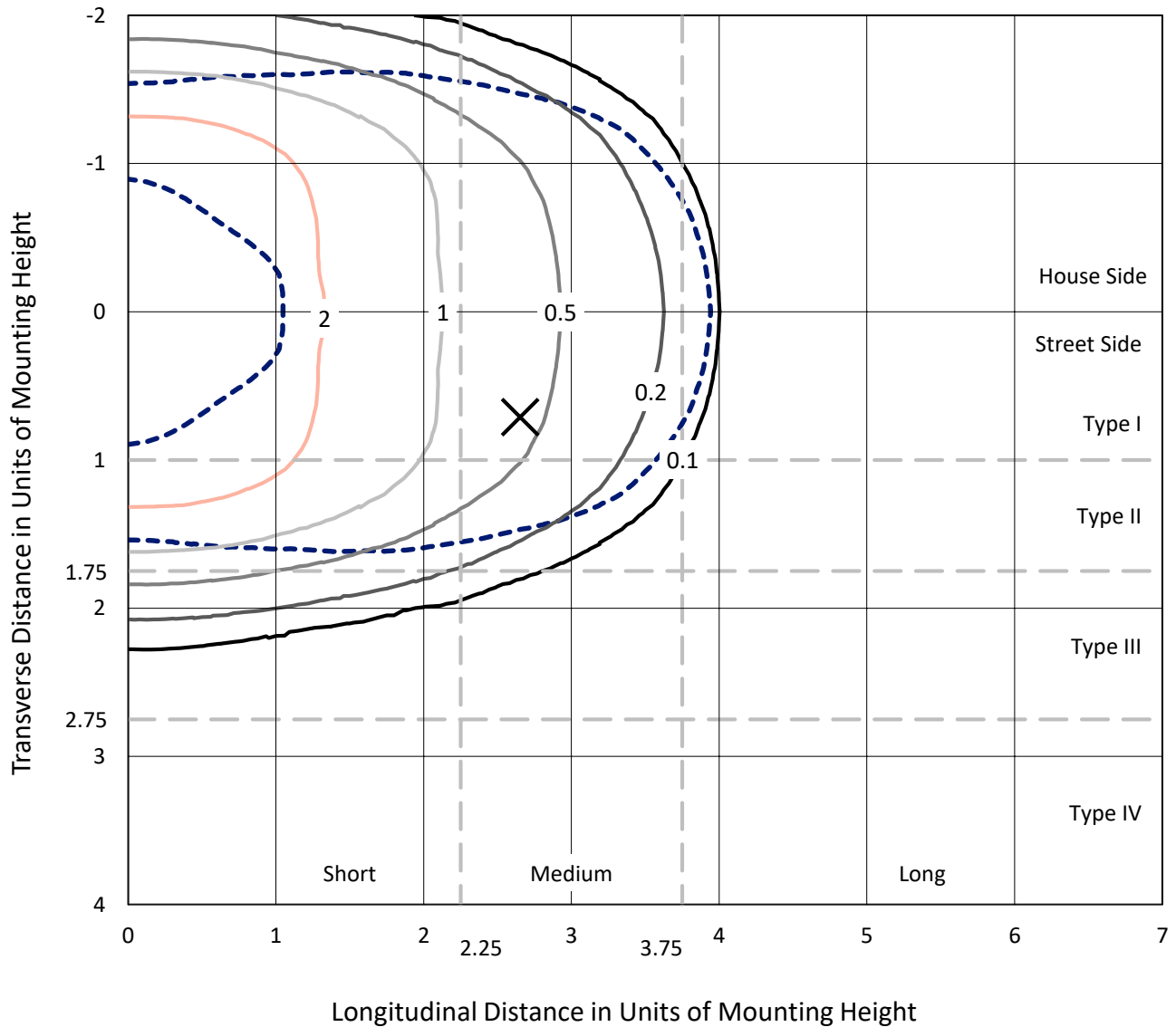
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

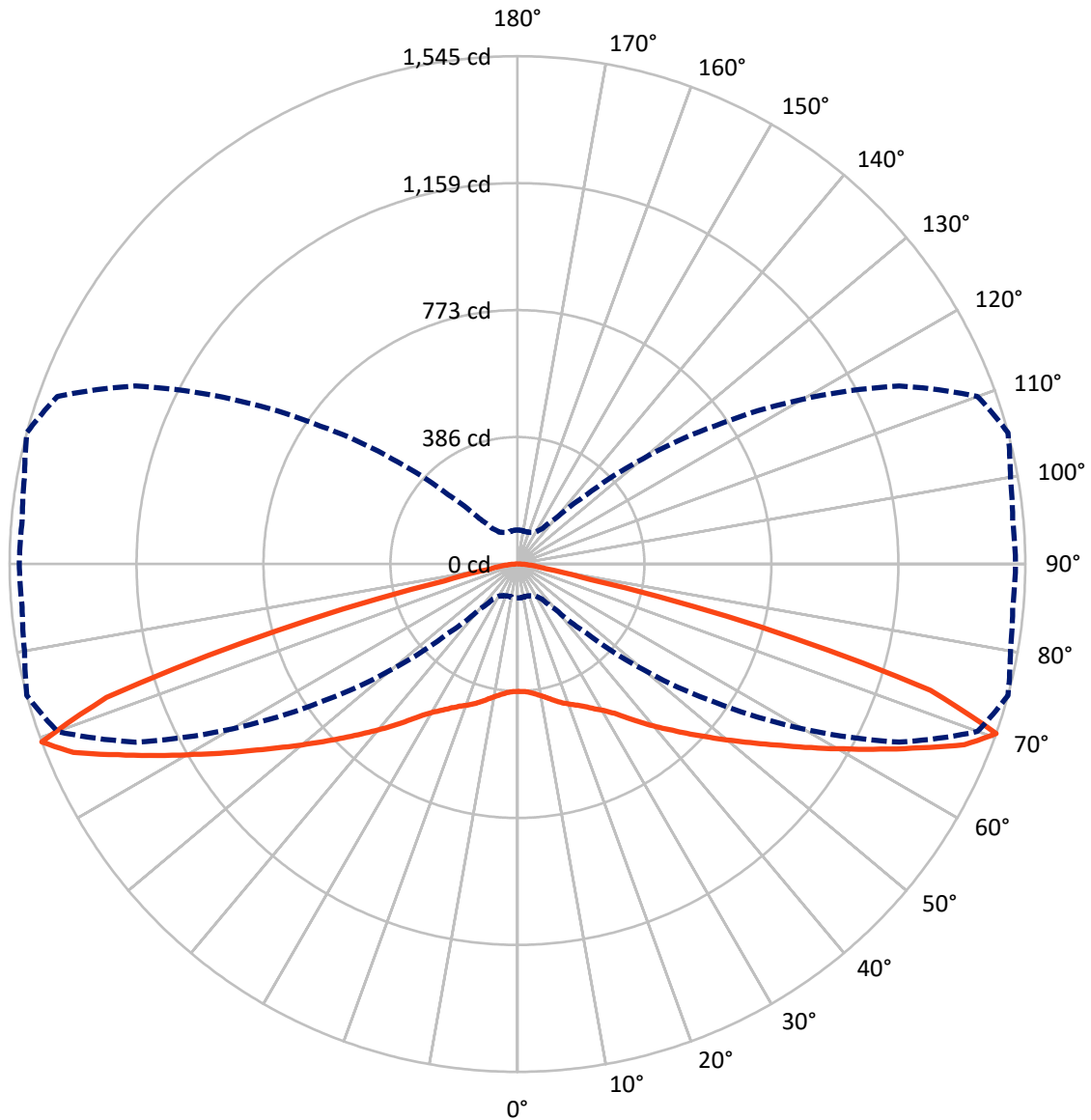
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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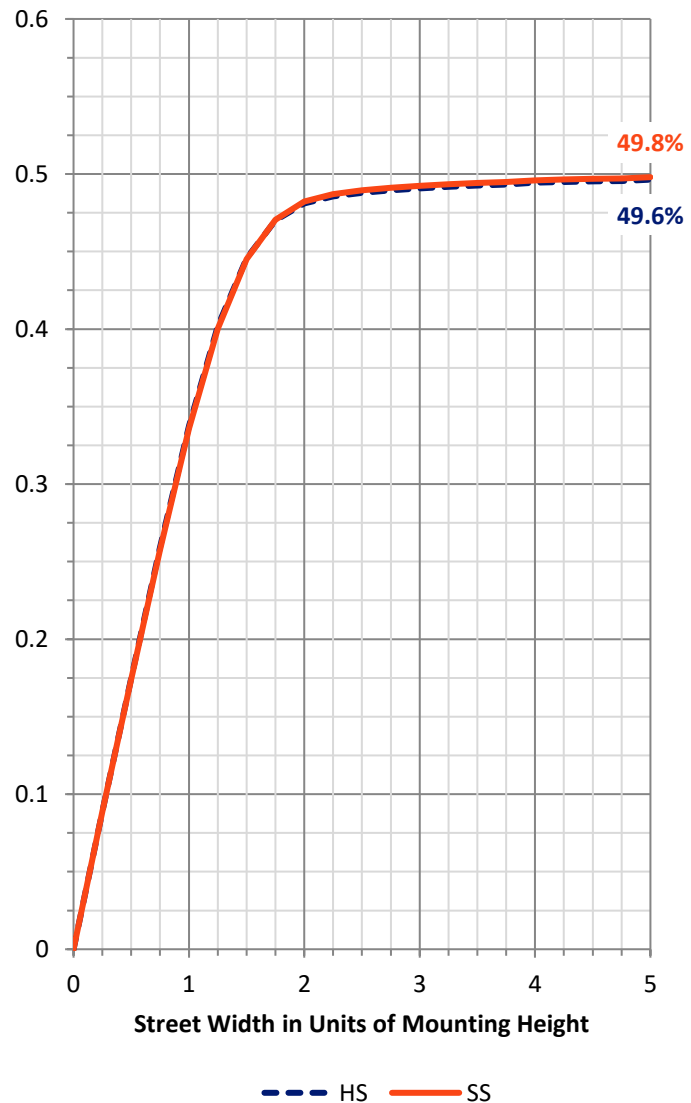
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1746.5	0.0	1746.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1746.5	0.0	1746.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3493.0	0.0	3493.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	1.1
10°-20°	115.5	3.3
20°-30°	217.3	6.2
30°-40°	384.8	11.0
40°-50°	643.6	18.4
50°-60°	896.8	25.7
60°-70°	831.6	23.8
70°-80°	331.4	9.5
80°-90°	34.8	1.0
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°	3493.0	100.0
0°-180°	3493.0	100.0



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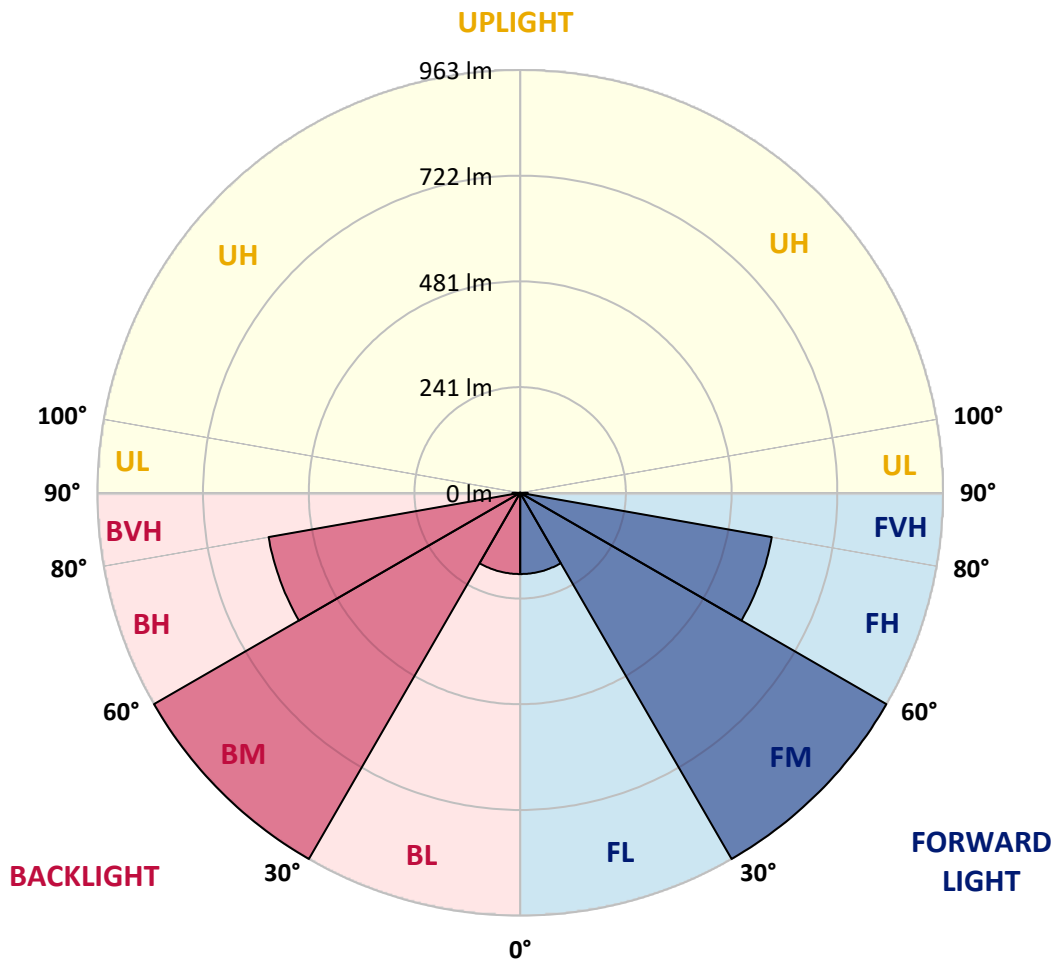
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.0	5.3			
FM (30°-60°)	962.6	27.6			
FH (60°-80°)	581.5	16.6			G0/660
FVH (80°-90°)	17.4	0.5			G1/100
BL (0°-30°)	185.0	5.3	B1/500		
BM (30°-60°)	962.6	27.6	B1/1000		
BH (60°-80°)	581.5	16.6	B2/1000		G2/1000
BVH (80°-90°)	17.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	387.5	387.5	387.5	387.5	387.5	387.5	387.5	387.5	387.5	387.5	387.5
2.5°	386.8	386.5	386.8	386.6	387.0	387.0	387.3	388.0	388.0	388.4	388.3
5°	383.0	382.8	383.3	383.8	384.3	385.3	386.3	387.8	388.9	389.8	390.6
7.5°	375.6	375.6	376.2	377.4	378.5	380.7	383.0	386.0	388.9	391.4	393.6
10°	369.5	369.8	370.6	372.6	374.6	377.9	381.0	385.3	389.4	393.6	396.9
12.5°	365.8	366.3	367.8	370.8	374.1	378.5	383.3	388.8	393.4	398.4	401.7
15°	367.0	367.3	369.5	373.1	377.4	383.0	389.4	395.9	401.3	406.6	411.1
17.5°	373.4	373.9	376.4	380.5	385.0	391.6	398.5	405.8	412.5	418.5	423.9
20°	385.0	385.5	388.6	393.1	398.4	405.1	412.1	419.6	427.2	433.5	439.6
22.5°	401.3	402.1	405.1	409.6	415.5	422.8	431.0	439.1	446.4	452.2	457.6
25°	422.8	424.6	427.4	432.4	438.6	445.2	454.1	462.4	469.3	474.8	478.7
27.5°	453.2	455.6	457.8	462.6	468.7	475.0	483.9	491.1	497.7	503.0	506.0
30°	493.4	495.9	498.1	502.7	508.3	514.2	522.7	529.1	533.2	537.4	537.2
32.5°	542.3	544.9	545.8	550.7	556.5	562.9	570.5	574.2	577.5	578.0	575.0
35°	596.9	598.3	601.6	608.2	614.8	620.1	627.3	629.1	629.1	626.7	620.1
37.5°	656.9	657.7	662.3	669.8	676.5	682.0	686.9	690.6	688.7	683.5	672.4
40°	722.6	724.1	730.7	737.3	744.9	750.0	755.3	755.9	754.1	746.4	731.3
42.5°	785.3	786.6	793.2	803.6	813.5	820.6	825.6	826.6	820.8	813.7	795.1
45°	839.3	842.8	851.3	863.6	877.9	888.0	894.8	897.6	892.5	883.2	861.6
47.5°	882.1	885.5	897.7	912.3	930.1	946.4	957.7	963.6	962.3	955.3	931.7
50°	913.4	916.7	929.9	947.8	968.6	988.9	1008.0	1022.2	1027.2	1024.0	1002.4
52.5°	917.0	922.5	938.0	962.0	989.0	1016.8	1044.0	1068.1	1084.4	1086.9	1070.9
55°	866.4	871.8	893.3	928.8	969.1	1014.3	1057.9	1098.5	1130.7	1147.2	1138.8
57.5°	746.8	756.6	779.2	820.8	880.1	947.8	1017.3	1089.4	1154.9	1198.7	1207.1
60°	572.4	583.9	606.7	650.9	717.0	797.7	890.5	997.1	1112.8	1211.2	1270.0
62.5°	367.1	378.0	402.0	440.4	494.3	581.8	681.3	807.9	963.4	1118.8	1258.8
65°	188.7	194.6	207.2	230.5	272.4	337.8	427.1	553.4	731.2	922.8	1125.2
67.5°	119.5	120.7	123.5	126.8	137.5	160.1	201.7	280.5	426.7	626.7	863.6
70°	103.3	103.3	102.0	101.5	102.8	106.0	112.4	130.7	180.1	297.5	498.1
72.5°	94.6	93.6	91.3	89.5	89.1	89.1	90.5	93.3	101.2	121.2	195.0
75°	87.2	84.4	81.2	79.1	78.3	77.4	77.3	77.8	79.4	82.5	93.1
77.5°	78.1	74.5	70.8	68.7	67.7	66.5	65.5	64.4	63.6	64.5	69.2
80°	67.2	63.1	60.3	58.9	57.9	56.3	54.1	52.2	50.4	50.0	52.8
82.5°	54.1	49.4	49.5	50.0	48.2	45.9	43.6	41.4	38.3	36.6	38.3
85°	43.7	41.3	40.1	43.3	40.6	37.1	33.5	29.7	24.8	20.8	22.6
87.5°	17.0	17.0	25.4	39.1	35.2	28.7	24.6	21.0	13.0	10.1	10.2
90°	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°
0°	387.5	387.5	387.5	387.5	387.5	387.5	387.5	387.5
2.5°	388.1	388.4	388.3	388.1	388.1	388.0	388.1	388.1
5°	391.1	391.9	391.9	392.2	392.2	392.4	392.6	392.4
7.5°	395.5	397.0	398.0	399.2	399.3	399.5	399.8	399.5
10°	400.0	403.0	405.1	407.3	408.3	408.6	408.9	408.9
12.5°	405.6	409.7	413.5	417.3	419.2	420.1	420.1	420.8
15°	414.9	419.0	423.4	428.6	431.7	433.3	433.8	433.8
17.5°	427.9	431.5	435.3	440.3	444.2	446.4	446.9	446.7
20°	443.1	446.6	448.7	451.8	455.3	457.8	458.4	458.4
22.5°	460.4	462.4	462.7	463.7	466.5	469.8	471.3	471.6
25°	479.6	480.1	478.7	478.7	480.6	483.7	485.2	485.4
27.5°	504.3	501.9	498.6	497.4	498.6	502.2	504.0	504.7
30°	535.2	529.3	521.7	517.5	516.9	521.7	525.0	525.5
32.5°	570.5	562.0	551.9	543.5	541.3	544.3	548.2	548.1
35°	612.5	602.2	590.0	579.3	574.3	577.3	582.9	583.6
37.5°	660.8	647.5	633.4	619.9	612.1	613.0	618.9	620.9
40°	714.8	697.5	679.8	661.7	650.6	648.5	655.7	656.9
42.5°	772.6	750.3	728.0	705.6	691.4	688.1	696.5	696.0
45°	834.2	805.8	779.7	754.9	738.1	733.1	740.1	740.1
47.5°	900.4	865.4	834.3	806.3	788.0	780.9	787.5	788.0
50°	970.5	933.4	896.9	865.7	843.8	834.7	843.3	844.6
52.5°	1040.4	1004.2	967.4	931.7	905.2	894.1	904.0	908.3
55°	1111.2	1075.7	1040.5	1005.7	974.2	961.1	971.7	977.1
57.5°	1186.0	1153.1	1119.6	1084.4	1054.1	1033.8	1045.0	1052.3
60°	1273.6	1245.6	1210.7	1171.9	1141.2	1120.6	1127.0	1133.5
62.5°	1343.0	1353.9	1324.3	1279.4	1240.0	1213.5	1219.8	1226.6
65°	1309.5	1421.2	1447.5	1402.1	1347.4	1306.3	1303.7	1307.1
67.5°	1094.5	1311.6	1469.9	1513.2	1467.4	1410.3	1399.8	1404.9
70°	732.2	1002.6	1281.9	1489.9	1545.2	1523.1	1512.7	1515.8
72.5°	351.6	583.9	869.7	1146.2	1314.6	1391.8	1416.6	1428.6
75°	128.6	231.8	419.2	631.6	762.5	882.7	961.1	993.2
77.5°	77.6	93.6	133.9	201.6	228.3	255.6	245.0	250.3
80°	57.4	64.9	73.5	82.5	85.5	85.5	82.2	79.6
82.5°	40.3	45.1	49.2	54.1	55.5	53.0	43.6	34.7
85°	25.9	28.1	29.9	33.0	32.2	30.7	20.6	18.3
87.5°	11.9	13.5	14.2	15.7	15.0	14.4	10.2	8.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)