

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: P268982

Luminaire Tested: **GLEON-AF-01-LED-E1-RW-7027-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P268982
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: GLEON-AF-01-LED-E1-RW-7027-600
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3646.2 lumens
Efficiency: N/A
Efficacy: 107.2 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

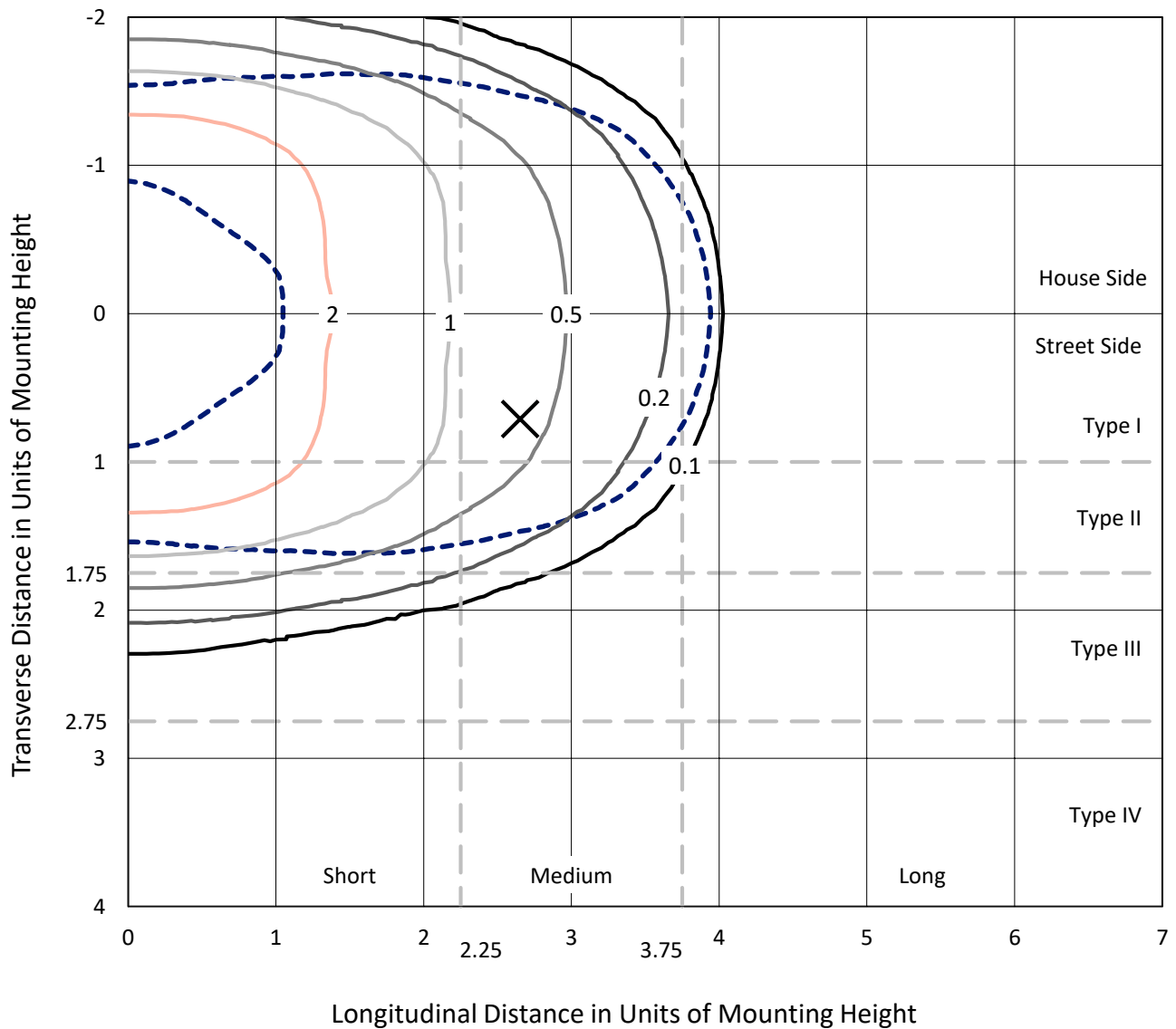


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

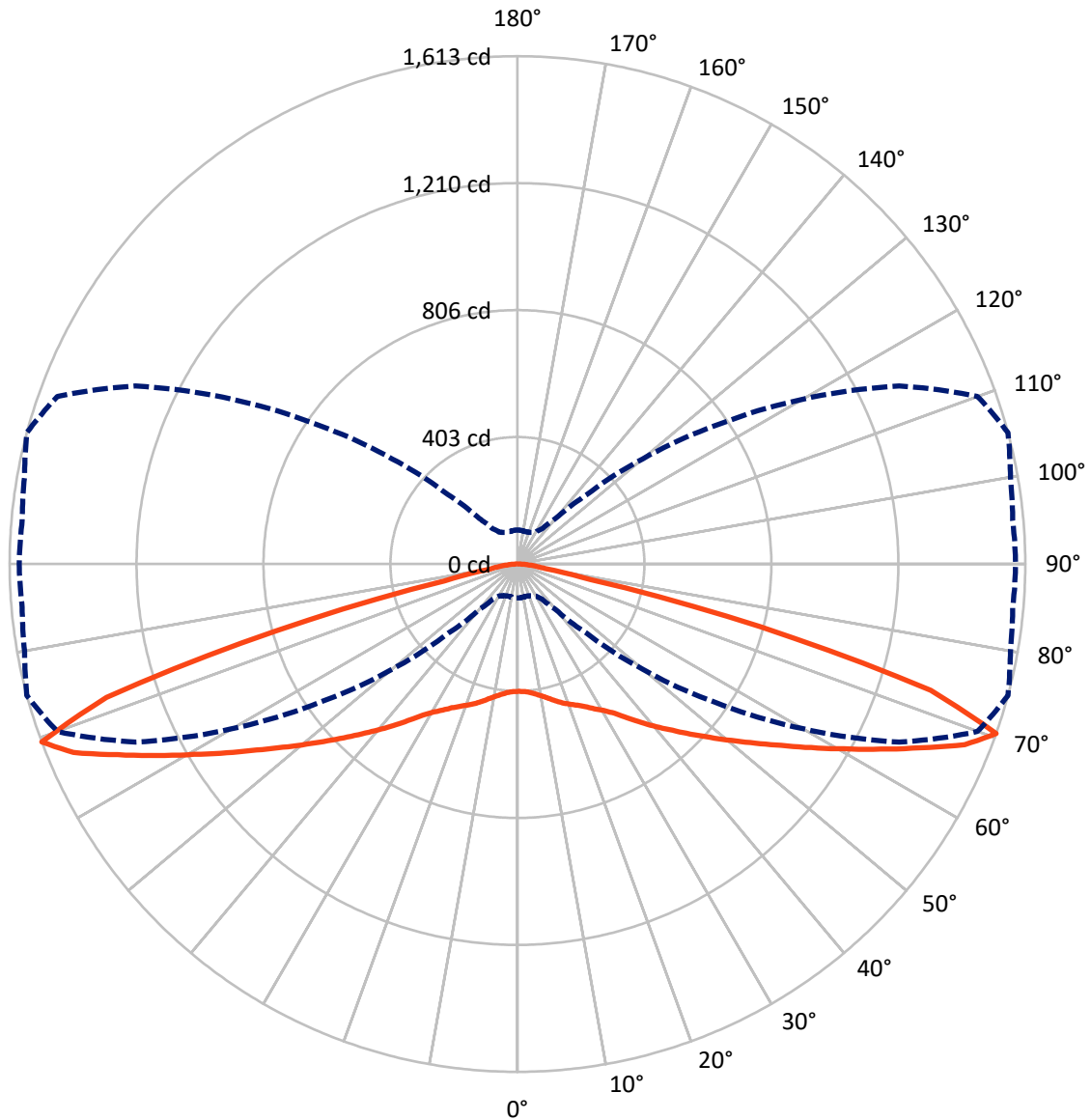


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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

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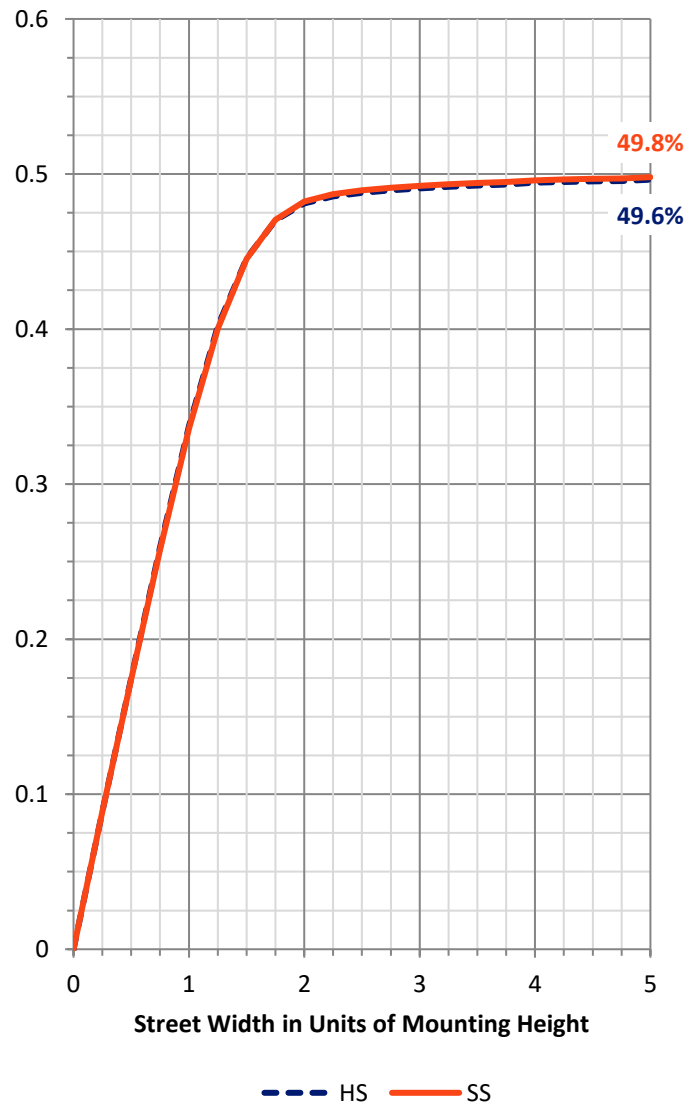
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1823.1	0.0	1823.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1823.1	0.0	1823.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3646.2	0.0	3646.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.8	1.1
10°-20°	120.5	3.3
20°-30°	226.8	6.2
30°-40°	401.7	11.0
40°-50°	671.8	18.4
50°-60°	936.1	25.7
60°-70°	868.1	23.8
70°-80°	346.0	9.5
80°-90°	36.4	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°	3646.2	100.0
0°-180°	3646.2	100.0



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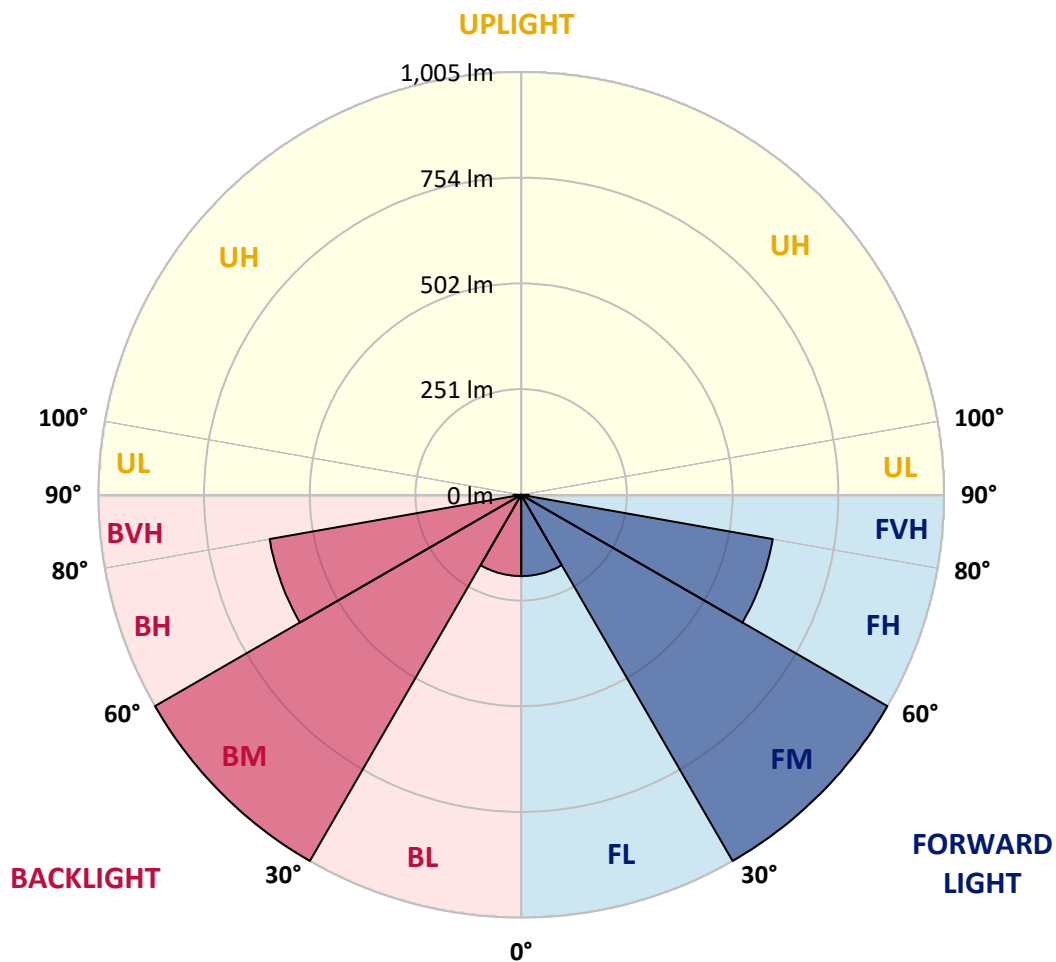
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.1	5.3			
FM	(30°-60°)	1004.8	27.6			
FH	(60°-80°)	607.0	16.6			G0/660
FVH	(80°-90°)	18.2	0.5			G1/100
BL	(0°-30°)	193.1	5.3	B1/500		
BM	(30°-60°)	1004.8	27.6	B2/2500		
BH	(60°-80°)	607.0	16.6	B2/1000		G2/1000
BVH	(80°-90°)	18.2	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°	404.4	404.4	404.4	404.4	404.4	404.4	404.4	404.4	404.4	404.4	404.4
2.5°	403.8	403.3	403.8	403.6	404.0	404.0	404.2	405.0	405.0	405.5	405.3
5°	399.7	399.7	400.1	400.6	401.2	402.3	403.2	404.7	406.0	406.8	407.7
7.5°	392.0	392.0	392.6	393.9	395.2	397.4	399.7	402.9	406.0	408.5	410.9
10°	385.6	386.0	386.9	389.0	391.0	394.4	397.7	402.3	406.6	410.9	414.3
12.5°	381.9	382.4	383.9	387.0	390.6	395.2	400.1	405.9	410.6	415.8	419.2
15°	383.0	383.4	385.6	389.4	393.9	399.7	406.6	413.2	418.9	424.4	429.1
17.5°	389.9	390.4	392.9	397.2	401.8	408.8	415.9	423.6	430.6	436.8	442.5
20°	401.8	402.4	405.7	410.3	415.8	422.9	430.1	438.1	446.0	452.6	458.9
22.5°	418.9	419.8	422.9	427.6	433.7	441.3	450.0	458.3	466.0	472.0	477.7
25°	441.3	443.3	446.2	451.3	457.9	464.8	474.0	482.7	489.9	495.7	499.7
27.5°	473.0	475.7	477.9	482.8	489.2	495.8	505.0	512.7	519.6	525.1	528.2
30°	515.1	517.7	519.8	524.7	530.5	536.7	545.6	552.3	556.6	560.9	560.7
32.5°	566.1	568.8	569.7	574.8	580.9	587.6	595.5	599.3	602.9	603.3	600.2
35°	623.2	624.5	627.9	634.8	641.7	647.3	654.9	656.8	656.8	654.1	647.3
37.5°	685.6	686.6	691.3	699.2	706.2	711.8	717.0	720.8	719.0	713.4	701.8
40°	754.2	755.8	762.8	769.6	777.6	782.9	788.4	789.2	787.2	779.1	763.4
42.5°	819.8	821.1	828.0	838.8	849.2	856.7	861.8	862.8	856.9	849.3	829.9
45°	876.0	879.7	888.8	901.4	916.5	927.0	934.0	936.9	931.6	921.9	899.4
47.5°	920.8	924.4	937.1	952.3	970.9	988.0	999.6	1005.8	1004.5	997.3	972.7
50°	953.6	957.0	970.7	989.4	1011.0	1032.2	1052.3	1067.0	1072.1	1069.0	1046.3
52.5°	957.2	963.0	979.2	1004.1	1032.4	1061.3	1089.9	1114.9	1132.0	1134.6	1117.9
55°	904.4	910.1	932.4	969.5	1011.5	1058.7	1104.2	1146.6	1180.3	1197.5	1188.6
57.5°	779.5	789.8	813.3	856.9	918.6	989.4	1061.8	1137.2	1205.5	1251.2	1260.1
60°	597.5	609.5	633.2	679.5	748.4	832.6	929.6	1040.9	1161.7	1264.4	1325.7
62.5°	383.2	394.6	419.6	459.8	515.9	607.3	711.2	843.4	1005.7	1167.8	1314.0
65°	197.0	203.1	216.2	240.6	284.4	352.6	445.7	577.6	763.2	963.3	1174.5
67.5°	124.8	125.9	128.8	132.3	143.5	167.2	210.7	292.8	445.5	654.1	901.4
70°	107.8	107.8	106.4	106.0	107.3	110.6	117.4	136.5	188.0	310.5	519.8
72.5°	98.8	97.7	95.3	93.5	93.1	93.1	94.4	97.3	105.6	126.5	203.6
75°	91.0	88.0	84.8	82.6	81.7	80.8	80.7	81.1	83.0	86.1	97.1
77.5°	81.4	77.8	73.9	71.7	70.6	69.4	68.5	67.3	66.4	67.5	72.3
80°	70.2	65.8	62.9	61.5	60.5	58.7	56.6	54.4	52.6	52.2	55.2
82.5°	56.6	51.6	51.7	52.2	50.3	47.9	45.5	43.3	40.0	38.3	40.0
85°	45.6	43.1	42.0	45.2	42.4	38.7	34.9	31.0	25.8	21.6	23.6
87.5°	17.7	17.7	26.5	40.9	36.7	30.1	25.7	21.9	13.7	10.5	10.7
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°	404.4	404.4	404.4	404.4	404.4	404.4	404.4	404.4
2.5°	405.1	405.5	405.3	405.1	405.1	405.0	405.1	405.1
5°	408.2	409.1	409.1	409.4	409.4	409.5	409.7	409.5
7.5°	413.0	414.5	415.5	416.6	416.9	417.1	417.4	417.1
10°	417.5	420.6	422.9	425.1	426.2	426.5	426.9	426.9
12.5°	423.5	427.8	431.6	435.7	437.6	438.6	438.6	439.2
15°	433.1	437.4	442.1	447.4	450.6	452.3	452.8	452.8
17.5°	446.6	450.5	454.5	459.7	463.7	466.0	466.5	466.3
20°	462.4	466.1	468.3	471.7	475.3	477.9	478.5	478.5
22.5°	480.7	482.7	483.0	484.0	487.1	490.5	492.0	492.4
25°	500.6	501.2	499.7	499.7	501.7	504.8	506.5	506.6
27.5°	526.4	523.9	520.4	519.2	520.4	524.3	526.0	526.8
30°	558.7	552.5	544.6	540.2	539.5	544.6	548.0	548.5
32.5°	595.5	586.7	576.2	567.3	565.0	568.2	572.3	572.1
35°	639.4	628.6	615.9	604.6	599.4	602.7	608.5	609.2
37.5°	689.8	675.9	661.2	647.0	639.0	639.9	646.1	648.0
40°	746.1	728.0	709.7	690.6	679.2	677.0	684.5	685.6
42.5°	806.5	783.2	760.0	736.5	721.7	718.3	727.1	726.5
45°	870.7	841.2	814.0	788.1	770.4	765.3	772.5	772.5
47.5°	939.8	903.3	870.9	841.6	822.5	815.1	821.9	822.5
50°	1013.1	974.3	936.3	903.7	880.8	871.3	880.2	881.6
52.5°	1086.1	1048.2	1009.9	972.7	944.8	933.2	943.7	948.2
55°	1159.9	1122.9	1086.2	1049.8	1016.9	1003.2	1014.2	1019.9
57.5°	1238.0	1203.6	1168.8	1132.0	1100.3	1079.1	1090.8	1098.4
60°	1329.5	1300.1	1263.8	1223.3	1191.3	1169.8	1176.5	1183.2
62.5°	1401.8	1413.3	1382.4	1335.5	1294.4	1266.8	1273.3	1280.4
65°	1367.0	1483.6	1510.9	1463.6	1406.6	1363.5	1360.8	1364.4
67.5°	1142.6	1369.1	1534.3	1579.5	1531.8	1472.2	1461.2	1466.6
70°	764.3	1046.5	1338.1	1555.2	1612.9	1589.9	1579.0	1582.4
72.5°	367.0	609.5	907.7	1196.5	1372.3	1452.9	1478.7	1491.2
75°	134.2	242.0	437.6	659.4	796.0	921.4	1003.2	1036.7
77.5°	80.9	97.7	139.7	210.5	238.3	266.7	255.7	261.2
80°	59.9	67.7	76.6	86.1	89.2	89.2	85.8	83.1
82.5°	42.0	47.0	51.4	56.6	57.9	55.3	45.5	36.2
85°	27.0	29.3	31.3	34.5	33.5	32.1	21.5	19.1
87.5°	12.3	14.2	14.8	16.3	15.7	15.0	10.7	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)