

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: P193529

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193529
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-8030-600
Description: GALLEON AREA AND ROADWAY 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: 3425 lumens
Efficiency: N/A
Efficacy: 100.7 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

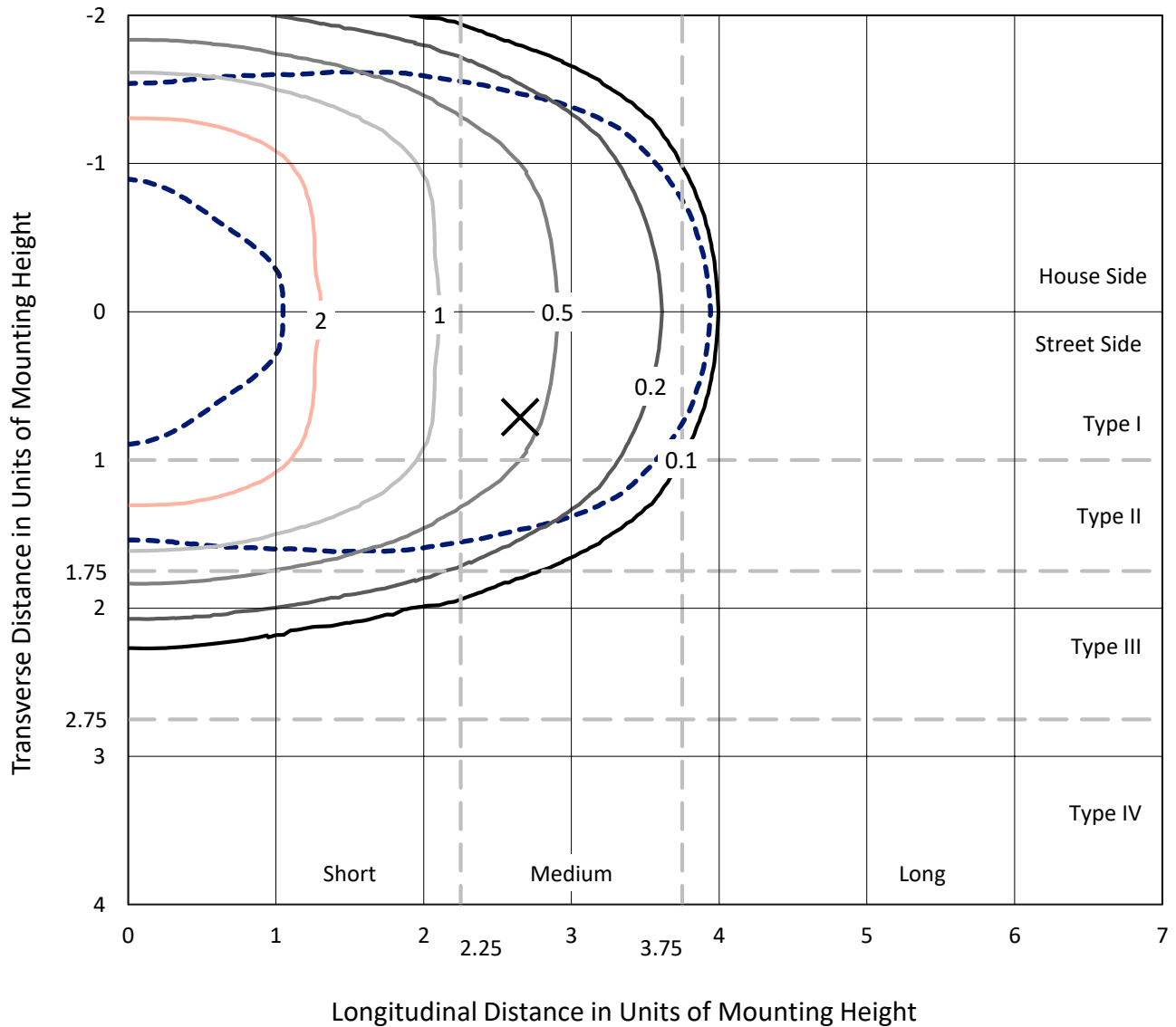


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

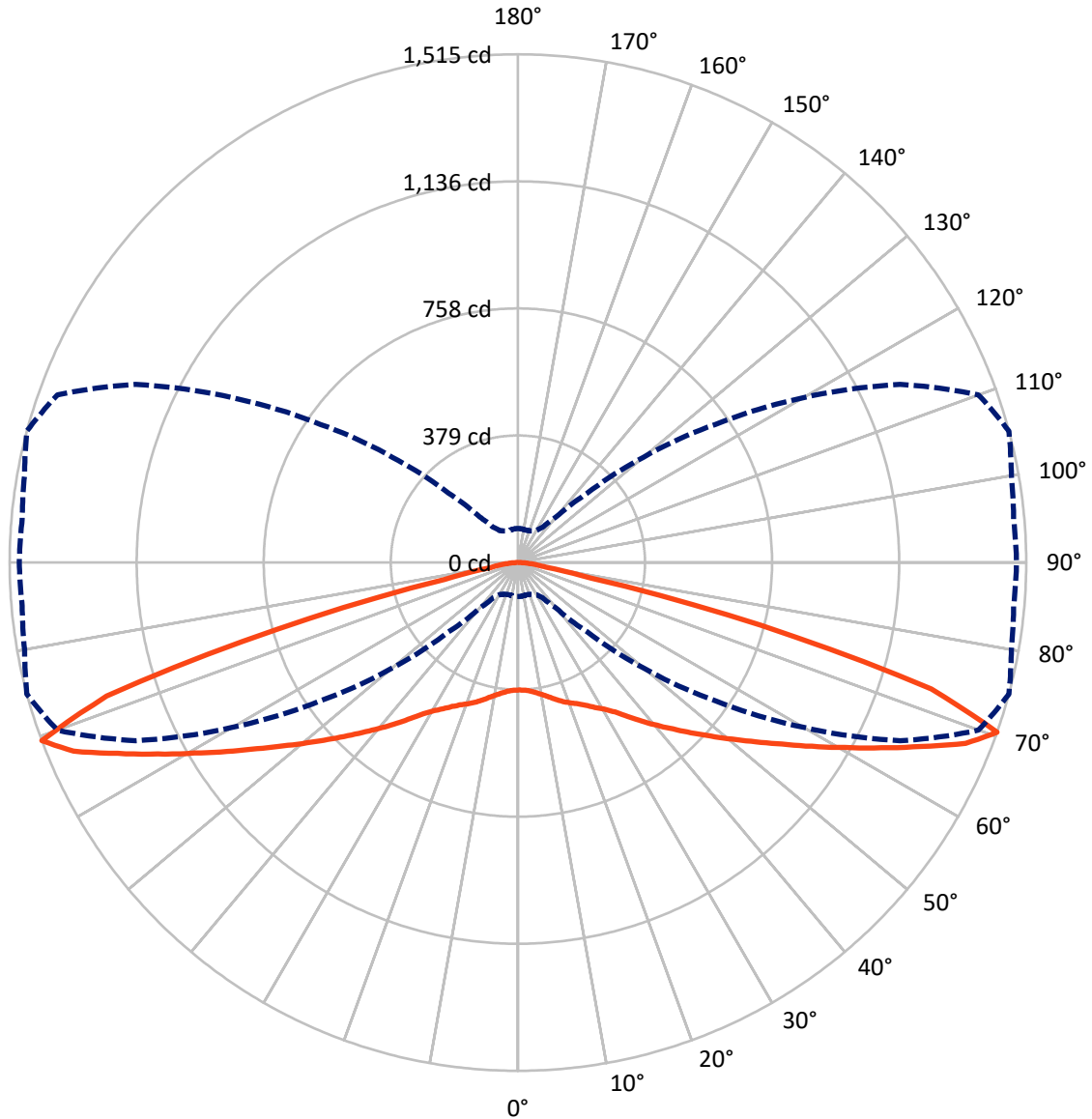


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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

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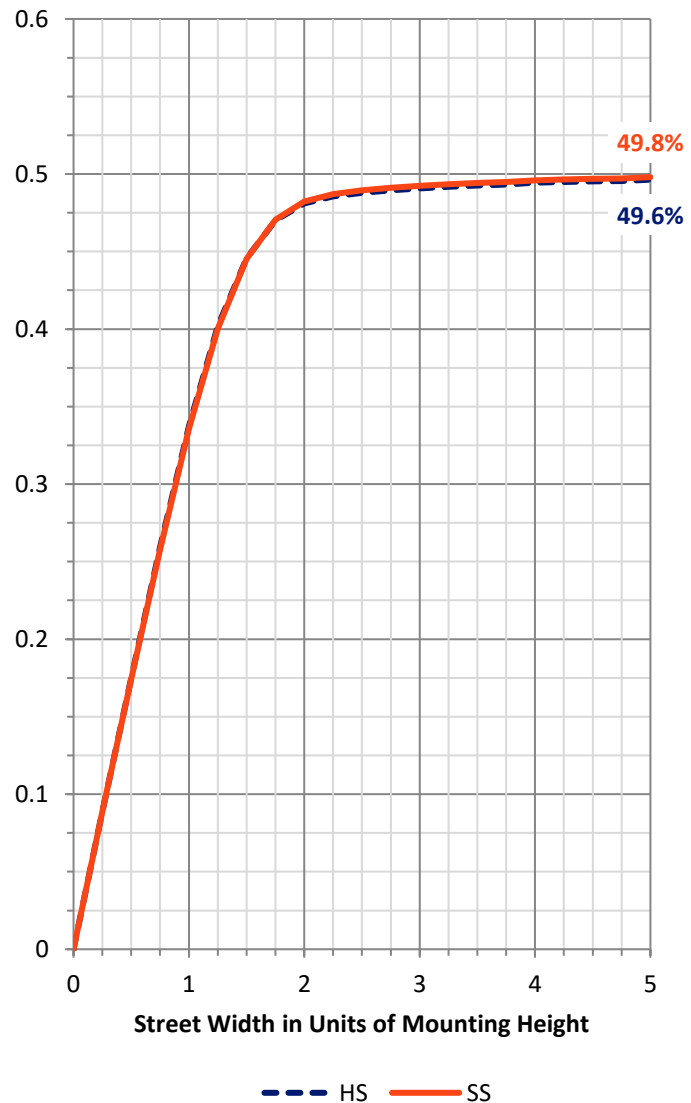
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1712.5	0.0	1712.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1712.5	0.0	1712.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3425.0	0.0	3425.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	1.1
10°-20°	113.2	3.3
20°-30°	213.1	6.2
30°-40°	377.3	11.0
40°-50°	631.0	18.4
50°-60°	879.3	25.7
60°-70°	815.4	23.8
70°-80°	325.0	9.5
80°-90°	34.2	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°	3425.0	100.0
0°-180°	3425.0	100.0



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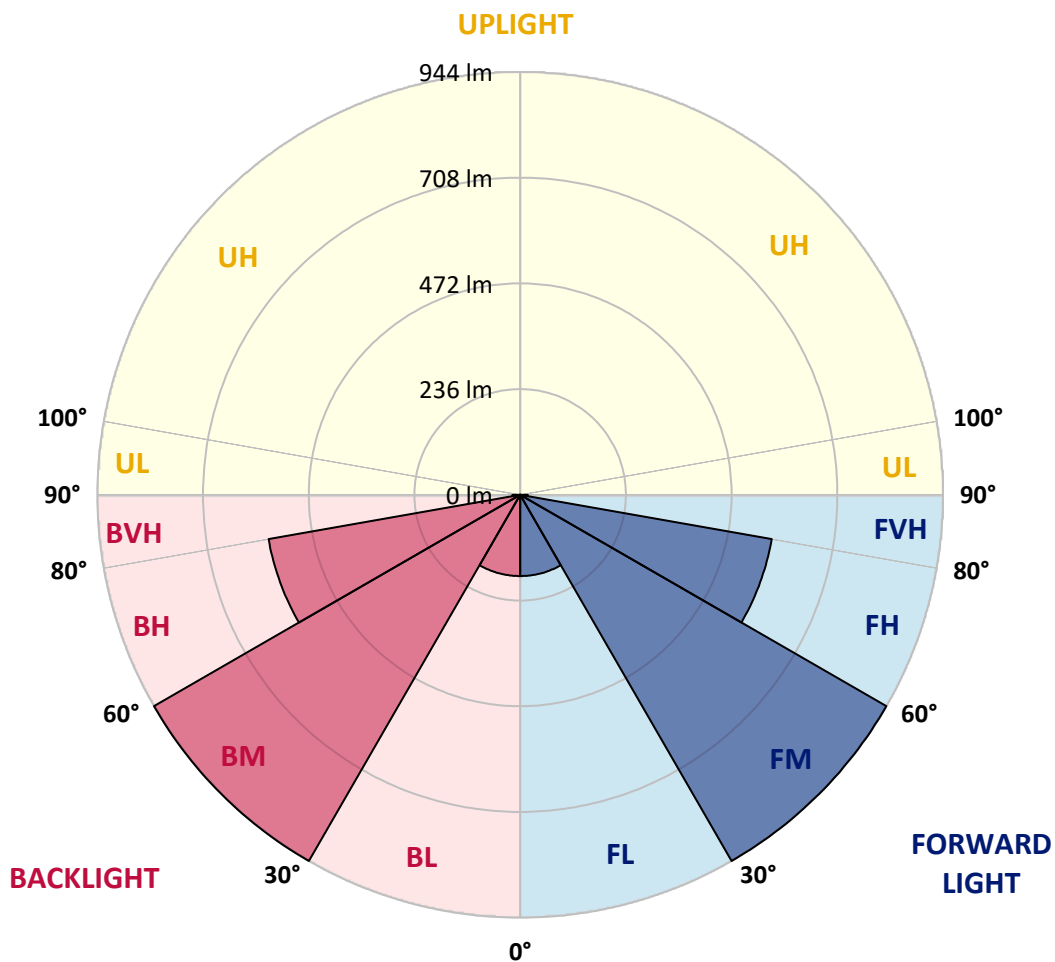
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.4	5.3			
FM (30°-60°)	943.8	27.6			
FH (60°-80°)	570.2	16.6			G0/660
FVH (80°-90°)	17.1	0.5			G1/100
BL (0°-30°)	181.4	5.3	B1/500		
BM (30°-60°)	943.8	27.6	B1/1000		
BH (60°-80°)	570.2	16.6	B2/1000		G2/1000
BVH (80°-90°)	17.1	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°	379.9	379.9	379.9	379.9	379.9	379.9	379.9	379.9	379.9	379.9	379.9
2.5°	379.3	378.9	379.3	379.1	379.4	379.4	379.8	380.4	380.4	380.9	380.7
5°	375.5	375.4	375.9	376.4	376.8	377.8	378.8	380.2	381.4	382.2	383.0
7.5°	368.3	368.3	368.9	370.0	371.2	373.3	375.5	378.5	381.4	383.8	385.9
10°	362.3	362.6	363.4	365.3	367.3	370.5	373.6	377.8	381.9	385.9	389.1
12.5°	358.7	359.2	360.6	363.6	366.8	371.2	375.9	381.2	385.7	390.6	393.8
15°	359.8	360.2	362.3	365.8	370.0	375.5	381.9	388.2	393.5	398.7	403.1
17.5°	366.2	366.6	369.1	373.1	377.5	384.0	390.8	397.9	404.5	410.3	415.7
20°	377.5	378.0	381.0	385.4	390.6	397.2	404.0	411.5	418.9	425.1	431.1
22.5°	393.5	394.3	397.2	401.6	407.4	414.6	422.6	430.6	437.7	443.4	448.7
25°	414.6	416.3	419.1	423.9	430.1	436.6	445.3	453.4	460.2	465.5	469.4
27.5°	444.3	446.8	448.9	453.6	459.6	465.7	474.4	481.6	488.0	493.2	496.1
30°	483.8	486.3	488.4	492.9	498.4	504.2	512.5	518.8	522.8	526.9	526.7
32.5°	531.7	534.3	535.1	540.0	545.7	552.0	559.4	563.0	566.2	566.7	563.8
35°	585.3	586.6	589.9	596.3	602.8	608.0	615.1	616.9	616.9	614.5	608.0
37.5°	644.1	644.9	649.4	656.7	663.3	668.7	673.5	677.1	675.3	670.1	659.3
40°	708.5	710.0	716.4	722.9	730.4	735.4	740.6	741.2	739.4	731.8	717.1
42.5°	770.0	771.3	777.8	788.0	797.7	804.7	809.5	810.5	804.8	797.9	779.6
45°	823.0	826.4	834.8	846.7	860.8	870.7	877.3	880.1	875.1	866.0	844.8
47.5°	864.9	868.3	880.3	894.5	912.0	928.0	939.0	944.8	943.5	936.8	913.6
50°	895.6	898.9	911.8	929.3	949.7	969.6	988.4	1002.3	1007.2	1004.1	982.9
52.5°	899.2	904.5	919.8	943.2	969.8	997.0	1023.7	1047.3	1063.3	1065.8	1050.1
55°	849.5	854.8	875.9	910.7	950.2	994.5	1037.3	1077.1	1108.7	1124.8	1116.6
57.5°	732.3	741.9	764.0	804.8	862.9	929.3	997.5	1068.2	1132.5	1175.3	1183.6
60°	561.2	572.5	594.9	638.3	703.0	782.2	873.1	977.7	1091.2	1187.7	1245.3
62.5°	360.0	370.7	394.2	431.9	484.6	570.4	668.0	792.2	944.7	1097.0	1234.3
65°	185.0	190.8	203.1	226.0	267.1	331.2	418.8	542.6	716.9	904.9	1103.3
67.5°	117.2	118.3	121.1	124.3	134.8	157.0	197.8	275.0	418.4	614.5	846.7
70°	101.3	101.3	100.0	99.6	100.8	103.9	110.2	128.2	176.6	291.7	488.4
72.5°	92.8	91.8	89.5	87.7	87.4	87.4	88.7	91.5	99.2	118.8	191.2
75°	85.5	82.7	79.6	77.5	76.7	75.9	75.8	76.2	77.9	80.9	91.3
77.5°	76.6	73.0	69.4	67.3	66.4	65.2	64.3	63.1	62.3	63.3	67.8
80°	65.9	61.8	59.1	57.8	56.8	55.2	53.1	51.2	49.4	49.0	51.8
82.5°	53.1	48.4	48.6	49.0	47.3	45.0	42.7	40.6	37.6	35.9	37.6
85°	42.9	40.5	39.3	42.4	39.8	36.4	32.9	29.1	24.3	20.4	22.2
87.5°	16.7	16.7	24.9	38.4	34.5	28.2	24.1	20.6	12.8	9.9	10.0
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°	379.9	379.9	379.9	379.9	379.9	379.9	379.9	379.9
2.5°	380.6	380.9	380.7	380.6	380.6	380.4	380.6	380.6
5°	383.5	384.3	384.3	384.6	384.6	384.8	384.9	384.8
7.5°	387.8	389.3	390.3	391.4	391.6	391.7	392.1	391.7
10°	392.2	395.1	397.2	399.3	400.3	400.6	401.0	401.0
12.5°	397.7	401.8	405.5	409.2	411.0	412.0	412.0	412.6
15°	406.8	410.8	415.2	420.2	423.3	424.9	425.4	425.4
17.5°	419.6	423.1	426.9	431.7	435.6	437.7	438.2	438.0
20°	434.5	437.9	440.0	443.0	446.4	448.9	449.5	449.5
22.5°	451.5	453.4	453.7	454.7	457.4	460.7	462.1	462.5
25°	470.2	470.7	469.4	469.4	471.2	474.3	475.7	475.9
27.5°	494.5	492.1	488.9	487.7	488.9	492.4	494.2	494.8
30°	524.8	519.0	511.5	507.5	506.8	511.5	514.8	515.2
32.5°	559.4	551.0	541.1	532.9	530.8	533.7	537.6	537.4
35°	600.5	590.5	578.5	568.0	563.2	566.1	571.6	572.2
37.5°	648.0	634.9	621.1	607.8	600.2	601.0	606.9	608.8
40°	700.9	683.9	666.6	648.8	637.9	635.8	643.0	644.1
42.5°	757.6	735.7	713.9	691.8	677.9	674.7	682.9	682.5
45°	817.9	790.1	764.5	740.2	723.7	718.9	725.7	725.7
47.5°	882.8	848.5	818.1	790.6	772.6	765.7	772.1	772.6
50°	951.6	915.2	879.4	848.9	827.3	818.4	826.8	828.1
52.5°	1020.1	984.7	948.6	913.6	887.5	876.7	886.4	890.6
55°	1089.6	1054.8	1020.3	986.1	955.2	942.4	952.8	958.1
57.5°	1162.9	1130.7	1097.8	1063.3	1033.5	1013.6	1024.6	1031.8
60°	1248.8	1221.3	1187.2	1149.1	1119.0	1098.8	1105.1	1111.4
62.5°	1316.8	1327.5	1298.5	1254.5	1215.8	1189.9	1196.1	1202.7
65°	1284.0	1393.6	1419.3	1374.8	1321.2	1280.9	1278.3	1281.7
67.5°	1073.2	1286.1	1441.3	1483.7	1438.9	1382.9	1372.5	1377.5
70°	717.9	983.0	1256.9	1460.9	1515.1	1493.4	1483.2	1486.3
72.5°	344.8	572.5	852.7	1123.9	1289.0	1364.7	1389.0	1400.8
75°	126.1	227.3	411.0	619.3	747.7	865.5	942.4	973.8
77.5°	76.1	91.8	131.3	197.6	223.9	250.6	240.2	245.4
80°	56.3	63.6	72.0	80.9	83.8	83.8	80.6	78.0
82.5°	39.5	44.2	48.2	53.1	54.4	52.0	42.7	34.0
85°	25.4	27.5	29.3	32.4	31.6	30.1	20.2	18.0
87.5°	11.7	13.3	13.9	15.4	14.7	14.1	10.0	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)