

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: P526244

Luminaire Tested: **GALN-SA1A-830-U-T3R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-830-U-T3R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3210 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

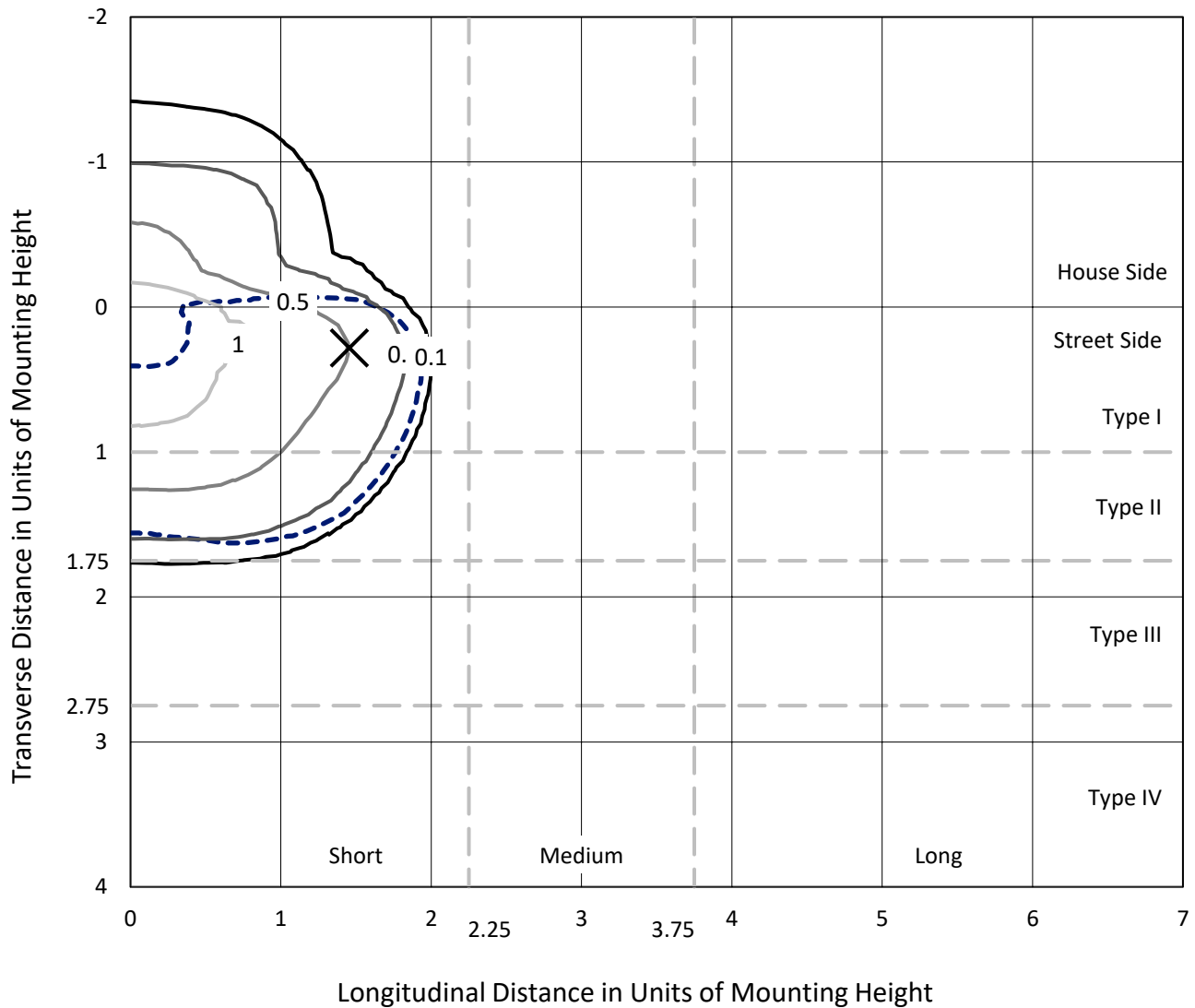
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526244
 CATALOG NUMBER: GALN-SA1A-830-U-T3R-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

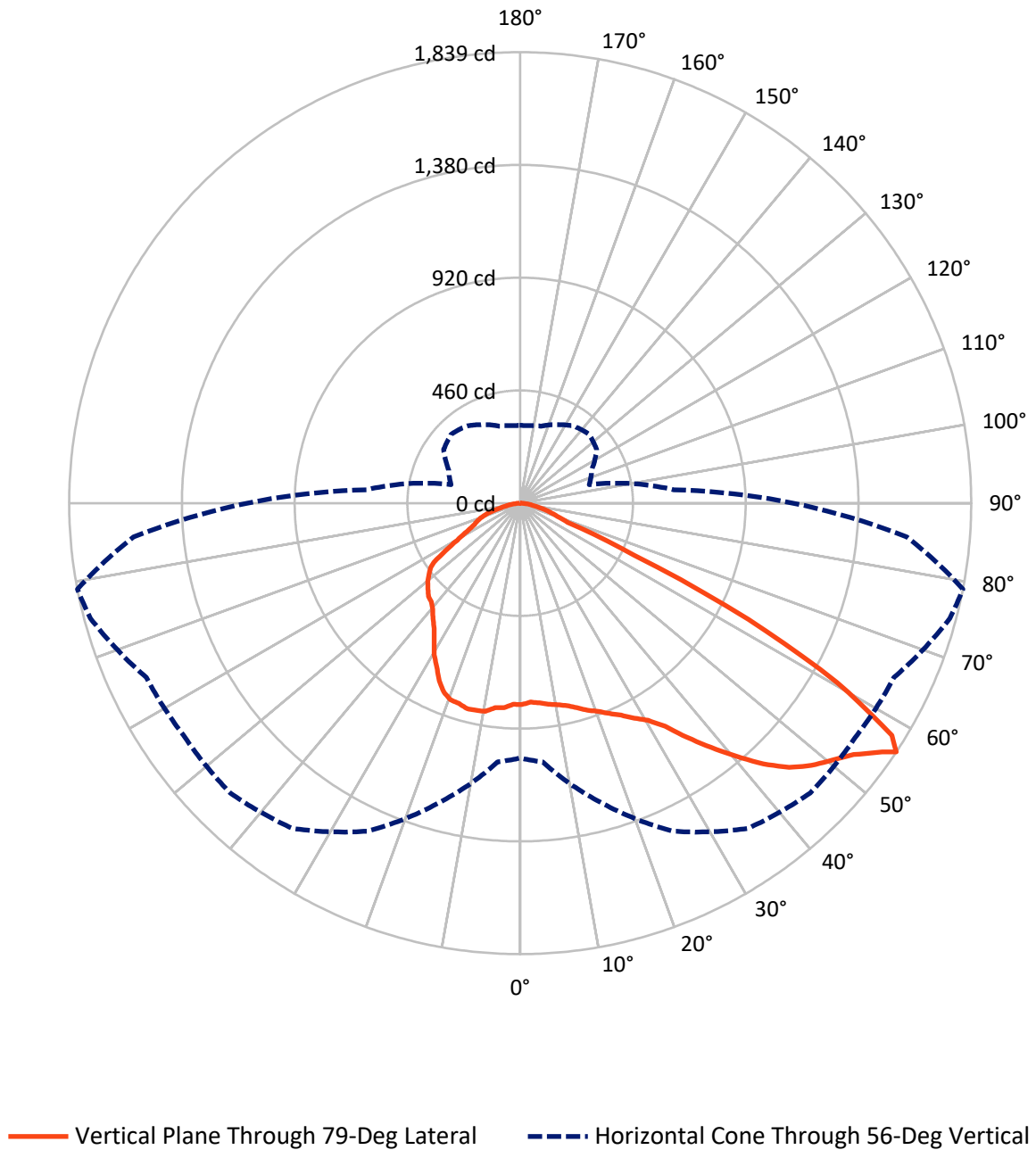
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

REPORT NUMBER: P526244
CATALOG NUMBER: GALN-SA1A-830-U-T3R-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P526244

CATALOG NUMBER: GALN-SA1A-830-U-T3R-GRSWH

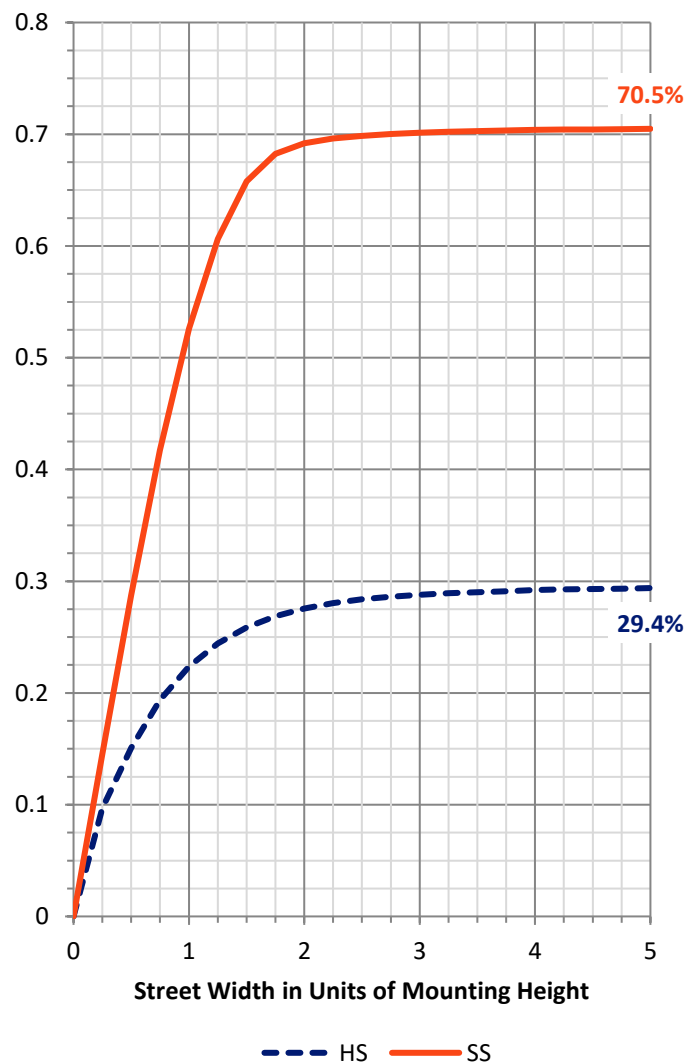
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	948.0	0.0	948.0
	% Fixture	29.5	0.0	29.5
Street Side	Lumens	2262.0	0.0	2262.0
	% Fixture	70.5	0.0	70.5
Total	Lumens	3210.0	0.0	3210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	2.3
10°-20°	204.4	6.4
20°-30°	349.6	10.9
30°-40°	535.8	16.7
40°-50°	724.2	22.6
50°-60°	831.7	25.9
60°-70°	379.1	11.8
70°-80°	93.5	2.9
80°-90°	17.0	0.5
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°	3210.0	100.0
0°-180°	3210.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526244

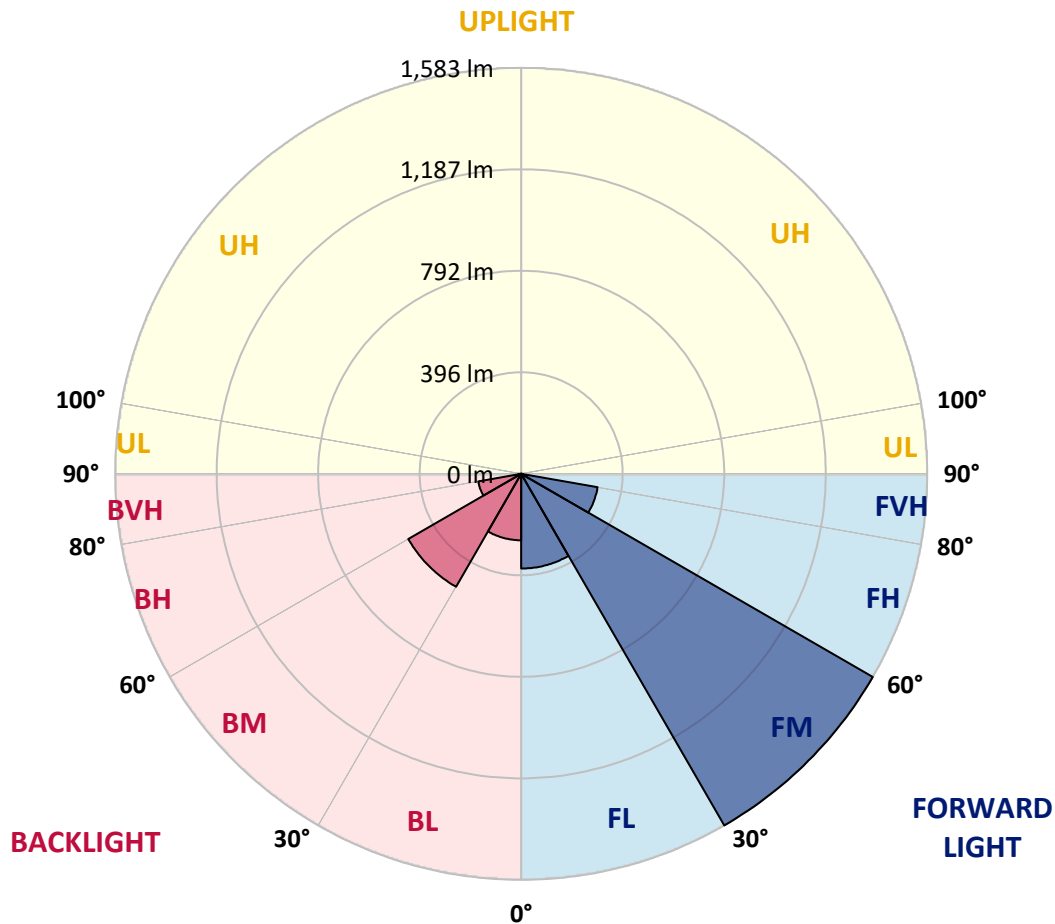
CATALOG NUMBER: GALN-SA1A-830-U-T3R-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.3	11.5			
FM	(30°-60°)	1583.3	49.3			
FH	(60°-80°)	302.6	9.4			G0/660
FVH	(80°-90°)	6.8	0.2			G0/10
BL	(0°-30°)	259.3	8.1	B1/500		
BM	(30°-60°)	508.5	15.8	B1/1000		
BH	(60°-80°)	170.0	5.3	B1/500		G1/500
BVH	(80°-90°)	10.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P526244

CATALOG NUMBER: GALN-SA1A-830-U-T3R-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3
2.5°	781.3	779.3	784.1	787.7	792.1	797.7	800.5	802.1	816.1	812.5	823.3
5°	764.5	759.3	762.9	765.7	773.3	780.1	787.7	799.7	812.5	818.1	831.3
7.5°	749.7	746.9	746.1	748.1	758.5	767.3	780.5	798.1	818.9	828.1	835.7
10°	725.3	721.3	727.3	740.5	743.3	761.7	776.9	802.1	820.1	836.1	858.5
12.5°	714.5	710.6	711.8	719.3	738.9	756.5	774.5	802.9	840.9	847.3	877.3
15°	731.7	727.7	728.9	726.9	745.7	754.9	783.3	818.9	855.3	866.1	898.1
17.5°	770.9	771.3	766.1	761.7	757.3	776.9	796.5	828.5	860.9	888.1	912.1
20°	845.7	832.5	822.1	797.3	790.5	798.9	823.7	854.5	883.7	906.1	933.3
22.5°	903.3	904.5	889.7	848.9	834.1	837.7	858.9	884.1	916.1	932.1	963.3
25°	986.9	978.5	962.5	930.1	896.9	899.7	915.3	938.1	946.9	958.1	992.1
27.5°	1063.2	1065.6	1034.0	1003.6	962.5	954.5	982.5	986.5	971.7	992.9	1004.4
30°	1140.8	1138.8	1118.0	1082.4	1042.0	1043.6	1056.0	1036.4	1016.0	1027.6	1035.6
32.5°	1221.2	1198.4	1197.6	1165.6	1134.8	1120.0	1104.8	1114.4	1082.8	1085.2	1077.6
35°	1285.5	1288.7	1270.4	1247.6	1232.4	1206.4	1164.8	1182.0	1176.0	1173.2	1140.4
37.5°	1332.3	1319.9	1329.1	1321.5	1307.1	1274.8	1231.6	1248.0	1250.8	1264.4	1226.4
40°	1370.7	1365.5	1389.9	1393.9	1383.9	1313.9	1236.4	1285.1	1327.1	1356.7	1311.5
42.5°	1389.1	1400.3	1425.9	1456.7	1434.3	1359.5	1261.2	1313.5	1407.1	1453.9	1392.3
45°	1413.9	1399.5	1437.5	1493.9	1494.3	1397.9	1285.1	1351.9	1469.5	1537.5	1447.5
47.5°	1388.7	1395.9	1435.1	1506.7	1525.1	1438.3	1349.9	1406.3	1538.3	1598.6	1498.7
50°	1332.3	1346.7	1418.3	1492.7	1548.3	1481.1	1424.3	1465.1	1601.8	1647.8	1507.1
52.5°	1273.6	1281.6	1393.5	1503.5	1558.7	1536.3	1523.9	1546.3	1679.4	1703.4	1517.5
55°	1113.6	1151.6	1311.5	1498.7	1609.4	1635.8	1626.2	1659.0	1767.4	1791.4	1574.2
56°	1039.6	1059.6	1262.4	1476.3	1619.4	1672.2	1667.4	1682.2	1814.2	1839.4	1583.0
57.5°	902.9	904.5	1076.4	1377.1	1581.8	1683.0	1678.2	1689.8	1805.0	1787.8	1505.9
60°	565.0	589.8	732.5	1059.2	1345.1	1561.5	1588.6	1495.5	1521.9	1485.5	1171.6
62.5°	292.7	289.1	383.9	619.4	892.9	1118.0	1143.2	1138.8	1098.0	1044.8	765.3
65°	145.9	146.7	200.7	306.7	457.4	585.4	655.8	663.4	555.0	510.6	363.1
67.5°	106.0	110.0	144.3	187.5	215.5	241.1	295.5	289.9	219.5	208.7	193.5
70°	82.4	86.0	117.2	143.1	130.0	130.0	141.6	146.3	156.3	160.7	165.9
72.5°	60.0	62.8	89.6	98.8	85.2	91.6	106.0	117.2	127.6	129.2	135.2
75°	41.2	43.6	58.8	54.4	51.2	63.2	77.6	88.0	95.6	99.6	103.2
77.5°	26.8	27.6	33.6	28.4	32.8	40.8	50.4	59.2	66.8	70.0	70.8
80°	12.0	13.2	14.4	18.0	22.8	29.2	36.0	43.2	48.0	49.2	51.6
82.5°	6.8	6.8	8.8	12.8	16.8	21.2	26.0	31.2	36.8	38.0	37.6
85°	3.6	3.6	5.2	7.6	10.4	12.4	12.0	12.4	13.2	15.2	14.8
87.5°	1.2	1.2	1.6	1.6	2.0	2.4	2.0	2.8	3.6	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

REPORT NUMBER: P526244

CATALOG NUMBER: GALN-SA1A-830-U-T3R-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3
2.5°	820.1	823.7	818.9	829.3	829.3	827.3	817.3	820.5	822.9	822.9	824.9
5°	835.7	834.5	837.7	825.3	817.7	814.9	798.5	790.5	783.7	783.3	777.3
7.5°	844.5	841.3	840.1	830.9	797.3	776.9	741.7	721.3	716.9	701.4	707.4
10°	858.5	864.5	858.5	808.5	761.7	714.9	680.6	649.0	636.6	626.6	620.6
12.5°	887.3	884.5	849.7	782.1	716.5	661.0	609.8	576.6	564.2	555.4	554.6
15°	911.7	897.7	844.5	740.5	646.2	587.0	545.0	521.4	515.8	516.6	520.2
17.5°	920.1	910.5	817.3	697.4	593.8	524.2	504.6	501.0	506.2	512.2	513.8
20°	933.3	918.1	806.1	638.6	529.0	485.0	483.8	496.6	506.2	515.0	516.2
22.5°	960.9	922.5	769.7	583.0	484.6	473.4	485.0	495.8	510.6	517.8	511.4
25°	968.9	912.9	718.5	516.2	456.6	466.2	478.6	493.4	503.8	507.8	510.6
27.5°	975.7	898.1	649.4	471.8	447.8	465.8	478.6	491.0	496.6	500.2	503.4
30°	994.9	893.7	589.4	442.2	442.2	457.8	474.2	477.4	485.0	489.4	495.0
32.5°	1004.4	863.3	527.8	423.5	436.6	461.8	463.0	469.0	469.4	473.0	467.0
35°	1029.6	841.7	470.6	409.9	439.0	457.8	463.8	460.2	440.6	431.0	433.0
37.5°	1048.0	830.9	429.4	408.3	439.4	462.2	465.4	438.2	417.9	401.9	405.9
40°	1097.6	804.1	398.3	405.5	443.0	467.0	458.2	428.6	391.9	375.5	372.7
42.5°	1135.6	784.9	378.7	402.3	445.8	473.8	454.6	409.5	371.9	356.7	360.7
45°	1179.6	780.5	368.3	403.1	450.6	477.4	450.2	394.7	354.7	348.7	347.5
47.5°	1195.2	748.9	357.1	396.3	449.4	476.2	435.4	383.5	348.3	349.1	352.3
50°	1169.2	716.5	348.7	382.3	441.4	465.4	412.3	368.7	344.7	354.7	360.3
52.5°	1136.0	683.4	331.5	363.5	425.1	448.6	401.5	367.9	341.1	337.9	339.1
55°	1146.0	656.2	307.5	337.9	398.7	417.5	389.5	360.3	332.3	320.3	324.3
56°	1113.6	628.2	291.9	321.9	380.7	397.5	383.5	353.5	325.1	317.1	317.1
57.5°	1022.0	534.2	271.5	296.3	342.7	362.7	371.9	349.5	317.1	303.1	303.5
60°	753.7	379.9	243.5	261.1	283.9	299.9	342.7	338.3	297.1	287.5	283.9
62.5°	464.6	277.5	223.5	230.3	241.9	255.1	299.1	306.3	275.9	265.5	263.1
65°	260.3	212.3	208.3	211.1	216.7	223.5	248.3	264.3	243.5	227.5	226.7
67.5°	190.3	189.9	193.1	195.5	197.9	197.9	203.9	210.3	207.5	194.7	193.5
70°	169.1	170.3	172.7	173.1	173.9	171.1	166.3	164.3	167.5	159.5	157.9
72.5°	139.6	143.5	146.3	146.7	142.4	138.8	132.4	125.6	123.2	121.6	121.2
75°	107.2	110.0	111.2	110.8	109.2	104.0	96.4	89.6	85.2	80.4	82.8
77.5°	72.4	76.4	78.4	78.4	76.0	68.0	64.4	59.2	54.8	49.6	50.4
80°	50.8	53.6	56.8	56.4	52.4	48.4	43.2	38.4	34.8	30.8	30.4
82.5°	38.0	39.6	41.2	40.4	37.6	33.6	30.0	25.6	21.6	18.8	18.8
85°	13.6	14.8	18.0	18.8	20.4	20.4	17.2	14.4	11.6	9.6	9.6
87.5°	4.0	4.0	4.4	4.4	4.0	4.4	3.6	4.0	4.4	2.8	2.8
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)