

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: P526476

Luminaire Tested: **GALN-SA1B-830-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1B-830-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3901 lumens
Efficiency: N/A
Efficacy: 88.7 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): 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: 24 FT

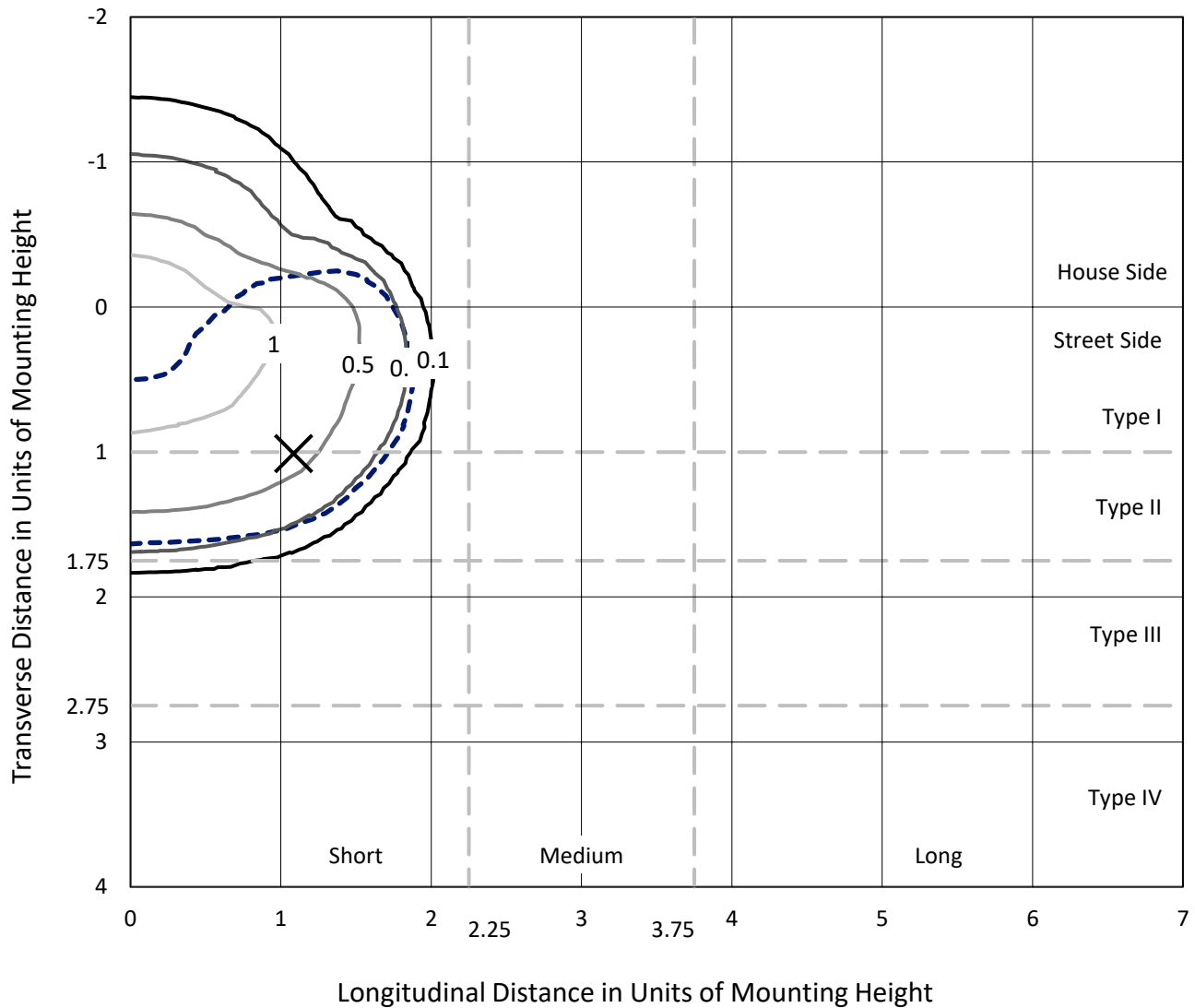


REPORT NUMBER: P526476

CATALOG NUMBER: GALN-SA1B-830-U-T3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

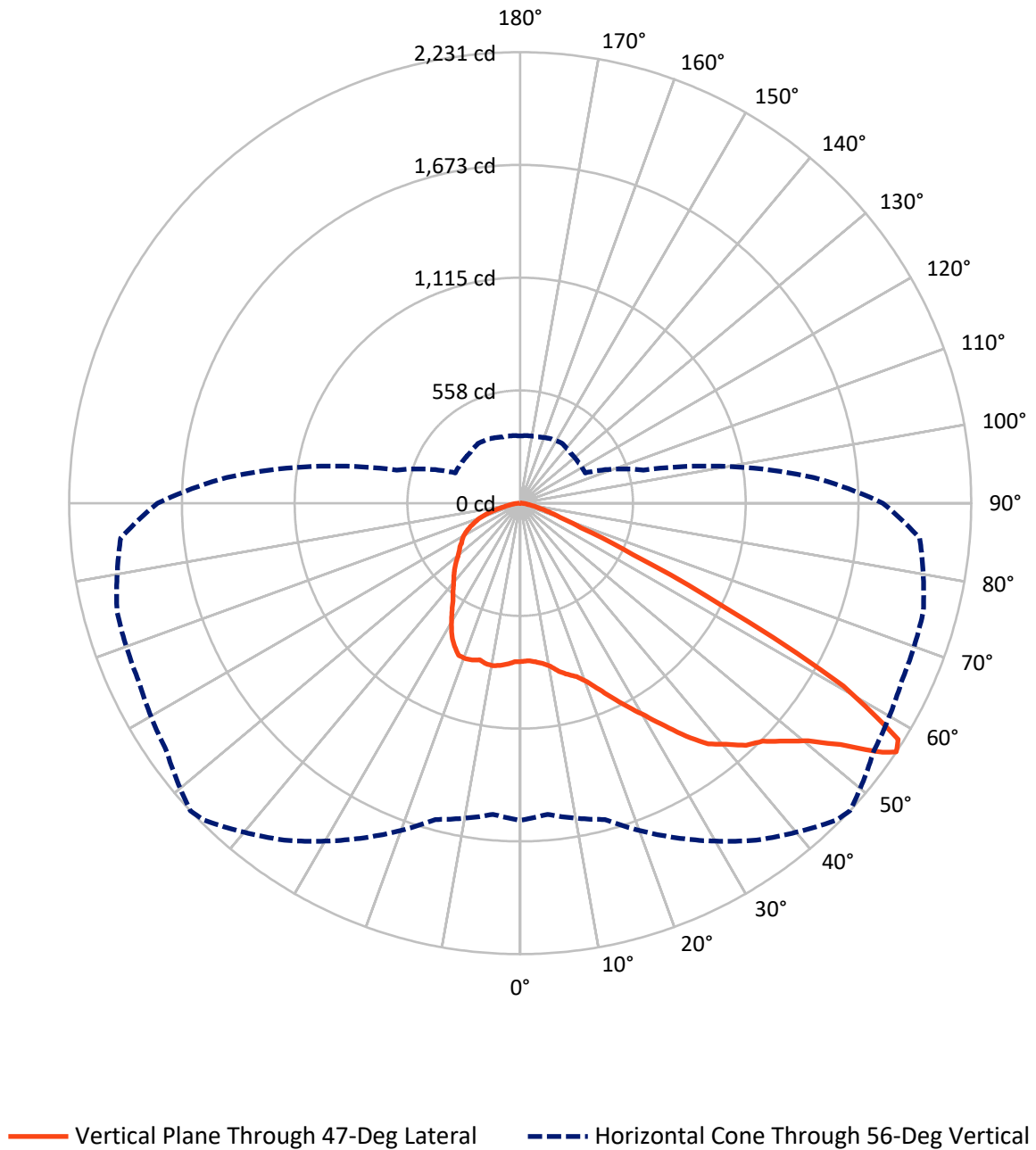
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P526476
CATALOG NUMBER: GALN-SA1B-830-U-T3-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P526476

CATALOG NUMBER: GALN-SA1B-830-U-T3-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1236.2	0.0	1236.2
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	2664.8	0.0	2664.8
	% Fixture	68.3	0.0	68.3
Total	Lumens	3901.0	0.0	3901.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	2.0
10°-20°	240.8	6.2
20°-30°	425.8	10.9
30°-40°	639.5	16.4
40°-50°	877.6	22.5
50°-60°	1045.6	26.8
60°-70°	447.4	11.5
70°-80°	126.6	3.2
80°-90°	21.3	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°	3901.0	100.0
0°-180°	3901.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526476

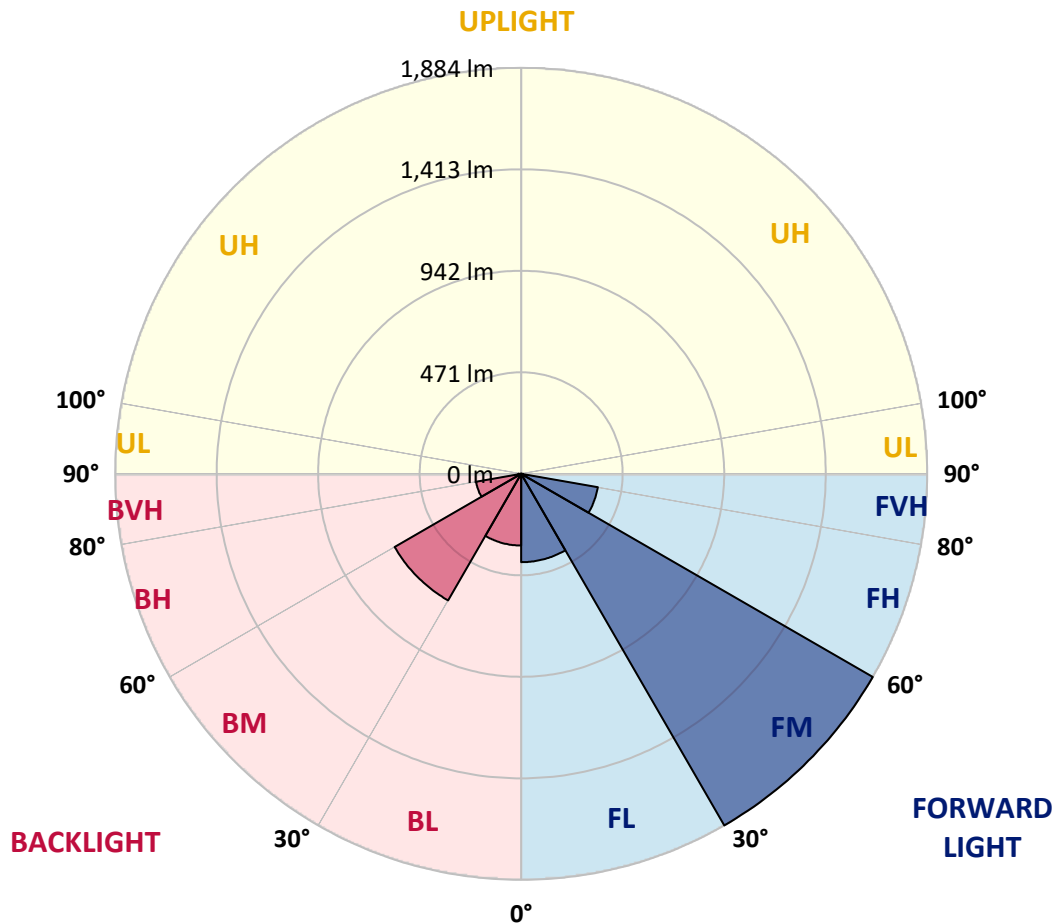
CATALOG NUMBER: GALN-SA1B-830-U-T3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	410.1	10.5			
FM	(30°-60°)	1884.3	48.3			
FH	(60°-80°)	361.4	9.3			G0/660
FVH	(80°-90°)	9.0	0.2			G0/10
BL	(0°-30°)	332.8	8.5	B1/500		
BM	(30°-60°)	678.4	17.4	B1/1000		
BH	(60°-80°)	212.7	5.5	B1/500		G1/500
BVH	(80°-90°)	12.3	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: P526476

CATALOG NUMBER: GALN-SA1B-830-U-T3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	780.6	779.1	778.1	786.1	783.1	783.6	780.6	783.6	785.6	781.1	787.6
5°	779.1	783.6	779.6	782.1	788.6	786.6	788.6	794.5	793.0	791.6	789.6
7.5°	793.0	793.5	796.5	797.5	799.5	797.5	800.5	806.0	804.5	796.0	797.0
10°	812.9	813.9	814.4	819.9	823.4	823.9	820.4	815.4	814.9	826.4	818.4
12.5°	835.8	833.3	839.3	841.3	845.3	849.8	854.2	843.8	850.3	850.8	841.3
15°	869.2	871.7	864.7	864.7	866.2	866.7	879.1	874.1	873.1	867.7	871.7
17.5°	918.9	902.0	901.5	894.5	893.5	897.5	902.0	906.0	919.4	908.5	887.1
20°	955.2	959.2	944.8	936.3	937.8	946.8	942.3	960.2	969.7	951.8	930.9
22.5°	1019.4	1006.0	1009.5	990.6	992.1	1001.5	1001.0	1019.4	1024.9	996.5	966.2
25°	1062.7	1059.2	1062.2	1047.3	1049.3	1056.7	1068.7	1099.0	1090.1	1058.7	988.6
27.5°	1125.9	1118.9	1116.4	1111.0	1109.0	1128.9	1142.8	1175.1	1168.7	1122.9	1028.4
30°	1190.6	1186.1	1188.6	1166.2	1174.1	1216.4	1220.4	1264.7	1261.7	1181.1	1072.7
32.5°	1235.3	1237.8	1242.3	1229.9	1265.2	1299.0	1312.5	1362.7	1365.2	1281.1	1158.2
35°	1307.5	1299.0	1301.5	1315.9	1332.4	1394.0	1415.9	1449.3	1470.2	1386.1	1240.3
37.5°	1352.8	1361.7	1351.3	1374.1	1416.9	1491.1	1511.0	1545.3	1567.2	1489.6	1352.3
40°	1423.4	1409.0	1416.4	1432.9	1476.6	1573.2	1567.7	1603.0	1610.0	1577.6	1456.7
42.5°	1499.5	1492.6	1482.1	1519.4	1556.2	1626.4	1637.3	1620.9	1656.2	1663.7	1606.0
45°	1590.6	1599.0	1600.5	1601.5	1633.9	1695.0	1680.1	1665.7	1706.5	1760.7	1698.5
47.5°	1675.1	1648.3	1667.7	1694.5	1740.3	1740.8	1758.2	1723.9	1767.2	1815.4	1782.1
50°	1703.5	1690.6	1716.4	1767.2	1837.8	1845.3	1847.3	1798.5	1820.9	1859.2	1811.0
52.5°	1692.6	1688.1	1754.3	1832.9	1936.3	1974.2	1984.1	1923.9	1936.3	1918.9	1874.7
55°	1640.3	1653.8	1720.4	1880.6	2039.3	2156.2	2175.2	2099.0	2019.9	2033.4	1984.6
56°	1568.7	1545.3	1619.9	1826.4	2034.9	2215.5	2230.9	2135.8	2082.1	2064.7	1983.6
57.5°	1330.9	1300.5	1398.5	1643.3	1921.9	2193.1	2204.5	2151.3	2071.7	2036.3	1838.8
60°	779.1	794.0	918.4	1133.3	1482.6	1798.0	1836.3	1875.1	1821.9	1663.7	1368.7
62.5°	376.1	366.7	455.7	649.8	903.5	1147.8	1136.3	1245.3	1305.0	1182.1	864.2
65°	197.0	196.0	248.8	354.7	496.5	603.0	613.4	672.1	754.2	609.0	438.8
67.5°	144.8	148.8	175.1	249.3	319.4	325.9	324.4	353.7	361.7	306.0	269.7
70°	113.4	115.4	134.8	189.6	237.8	212.9	208.5	211.9	235.3	245.3	233.3
72.5°	82.1	84.1	100.5	127.9	148.8	145.3	148.3	167.7	196.5	207.0	194.5
75°	54.7	56.2	65.2	78.1	88.1	95.0	100.5	122.9	149.8	155.7	149.8
77.5°	37.8	39.3	45.3	55.2	56.2	60.7	62.7	73.1	89.6	97.0	93.0
80°	21.4	21.4	24.4	28.4	34.8	40.8	41.8	50.2	57.7	62.7	63.7
82.5°	10.0	10.4	12.9	17.4	22.9	28.4	29.4	34.8	40.3	45.3	46.8
85°	5.0	5.5	7.5	10.4	13.9	16.9	16.4	16.9	17.9	16.9	17.4
87.5°	1.5	1.5	2.0	2.5	2.0	2.5	2.5	3.0	3.5	4.0	4.5
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: P526476

CATALOG NUMBER: GALN-SA1B-830-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	788.1	789.6	779.6	789.1	785.6	785.1	792.1	791.1	793.5	792.5	786.6
5°	788.6	785.1	795.5	786.1	790.6	800.0	793.5	808.5	801.0	806.0	795.0
7.5°	804.0	805.0	803.0	807.0	805.0	809.5	806.0	809.5	803.5	804.0	813.9
10°	817.4	814.4	817.9	812.9	816.4	814.9	807.0	804.5	806.5	804.0	810.5
12.5°	842.3	836.8	834.3	828.4	824.4	809.5	797.0	790.1	799.5	801.0	798.0
15°	867.7	868.2	856.7	843.3	818.4	796.0	799.0	801.5	801.5	805.5	798.0
17.5°	883.6	883.6	873.1	846.3	820.9	808.0	805.0	797.0	790.1	789.1	788.6
20°	911.5	903.0	879.1	845.8	819.9	813.9	791.6	772.6	758.2	753.2	752.7
22.5°	943.3	921.9	888.6	846.8	818.4	810.0	768.2	739.8	713.9	703.0	704.5
25°	972.6	938.3	894.0	842.3	812.9	772.1	725.4	686.1	659.2	650.3	645.8
27.5°	993.0	955.7	894.0	846.3	792.5	729.9	682.1	631.8	608.5	602.5	603.5
30°	1020.4	977.6	909.5	837.8	751.8	675.1	617.9	585.1	571.2	566.2	569.7
32.5°	1084.6	1034.8	930.9	817.4	703.5	620.4	574.1	555.7	535.3	525.4	521.9
35°	1154.2	1089.1	951.8	783.1	649.3	570.7	541.8	524.9	500.5	489.6	491.5
37.5°	1252.8	1158.7	953.2	726.4	590.6	542.8	516.4	490.1	470.2	453.2	448.3
40°	1385.6	1253.7	949.8	666.7	543.3	510.0	490.6	457.7	435.3	423.4	425.9
42.5°	1502.5	1365.2	935.3	599.0	500.5	487.6	465.7	433.3	411.4	399.0	398.0
45°	1601.0	1447.3	908.0	541.3	464.7	462.7	437.3	412.4	395.0	383.6	388.6
47.5°	1692.1	1513.5	866.7	483.6	431.8	435.8	411.4	396.0	385.1	374.6	374.1
50°	1724.9	1512.5	830.4	435.8	405.5	403.5	402.5	386.1	374.6	365.7	369.7
52.5°	1779.6	1529.4	791.1	403.0	381.6	382.1	385.6	373.6	360.7	355.2	360.2
55°	1858.2	1531.9	704.5	364.7	361.7	365.2	365.2	357.2	346.3	341.8	339.3
56°	1794.1	1457.7	631.8	354.7	351.7	351.7	361.2	352.2	338.8	335.3	332.3
57.5°	1654.7	1277.1	528.9	342.8	338.3	345.3	350.3	340.8	328.4	323.4	326.4
60°	1141.3	864.2	397.5	316.9	316.9	328.4	332.3	318.4	312.9	312.4	308.5
62.5°	666.2	503.5	310.9	293.5	294.5	304.0	307.0	299.0	292.0	300.5	304.5
65°	353.2	300.5	266.7	268.7	269.2	276.6	289.6	289.1	288.6	291.0	291.5
67.5°	255.7	249.8	242.3	240.3	241.3	246.8	259.7	269.7	269.2	263.2	258.7
70°	227.9	219.4	214.9	215.4	211.4	217.9	228.4	234.8	223.4	216.4	213.4
72.5°	189.6	187.1	184.1	184.6	176.6	175.1	163.2	163.2	160.2	158.2	161.7
75°	144.8	143.8	145.3	142.8	134.3	125.4	118.4	111.9	102.0	98.0	96.0
77.5°	91.5	94.5	98.0	92.5	89.1	82.6	75.6	69.2	61.2	56.7	56.7
80°	62.2	64.7	67.2	66.2	62.2	56.2	50.7	43.8	38.3	34.8	34.3
82.5°	47.3	49.3	52.7	48.8	44.8	39.8	35.3	30.3	25.4	21.4	21.4
85°	16.9	19.4	21.4	23.4	24.9	25.4	21.9	17.9	14.4	11.4	10.9
87.5°	4.5	5.0	5.5	5.0	5.0	5.0	5.5	5.0	4.5	3.5	3.5
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)