

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: P528162

Luminaire Tested: **GALN-SA3B-727-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-727-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11916 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

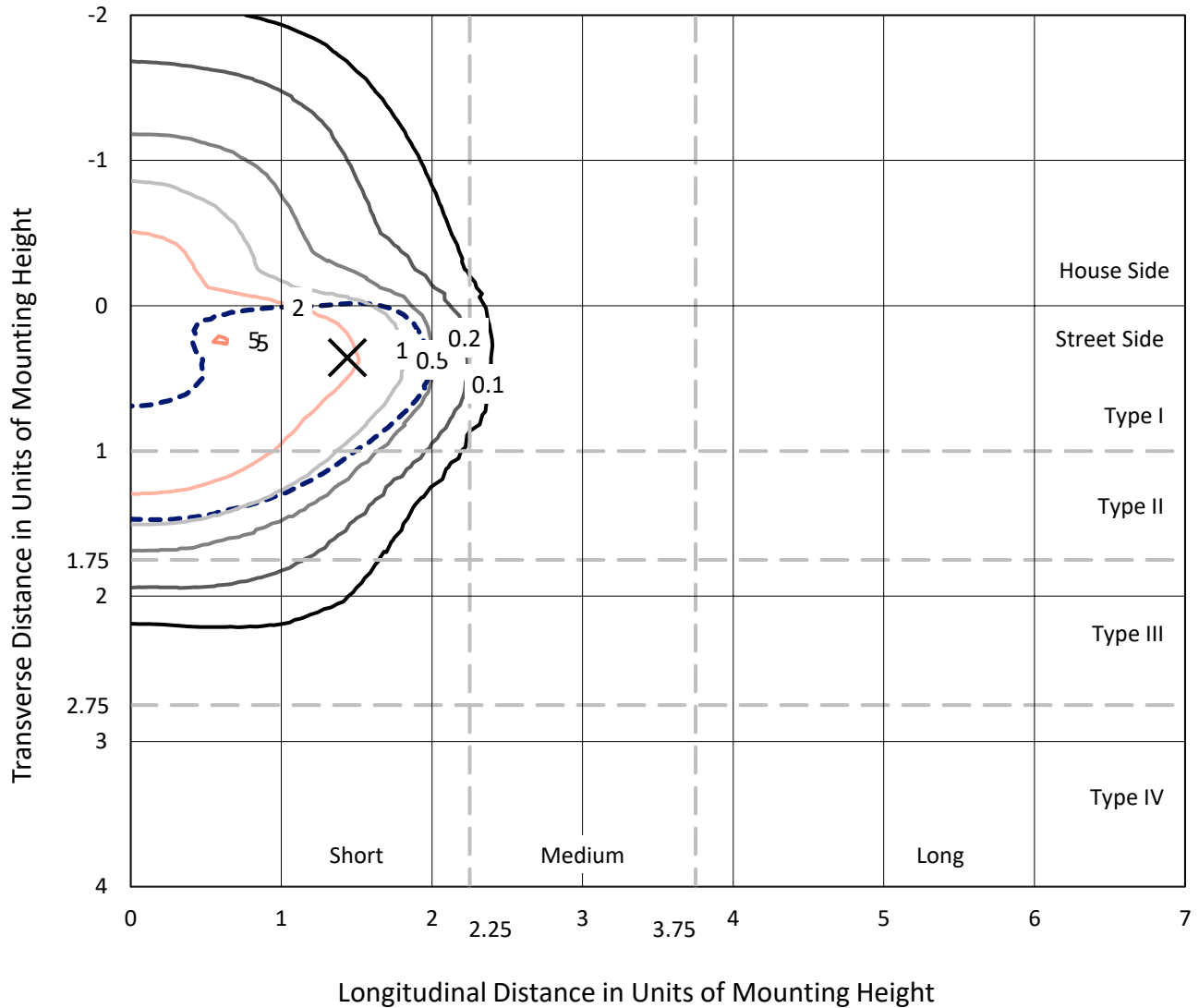
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528162
 CATALOG NUMBER: GALN-SA3B-727-U-T2-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

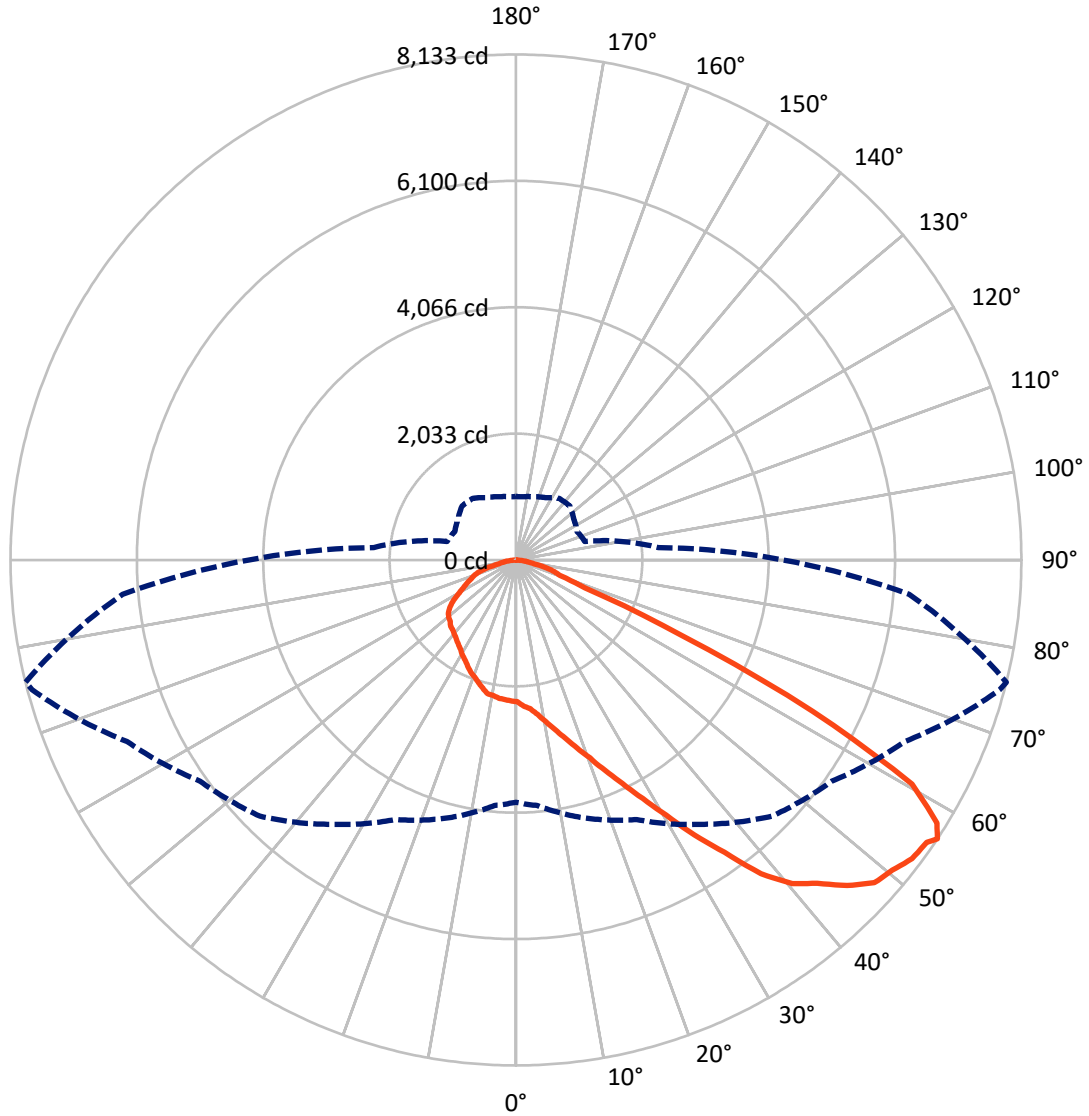
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - N/A

REPORT NUMBER: P528162
CATALOG NUMBER: GALN-SA3B-727-U-T2-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P528162
 CATALOG NUMBER: GALN-SA3B-727-U-T2-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3203.9	0.0	3203.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	8712.2	0.0	8712.2
	% Fixture	73.1	0.0	73.1
Total	Lumens	11916.0	0.0	11916.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.1	1.9
10°-20°	710.3	6.0
20°-30°	1242.2	10.4
30°-40°	1944.9	16.3
40°-50°	2829.2	23.7
50°-60°	3109.5	26.1
60°-70°	1387.9	11.6
70°-80°	400.9	3.4
80°-90°	65.0	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°	11916.0	100.0
0°-180°	11916.0	100.0

Coefficient of Utilization



REPORT NUMBER: P528162

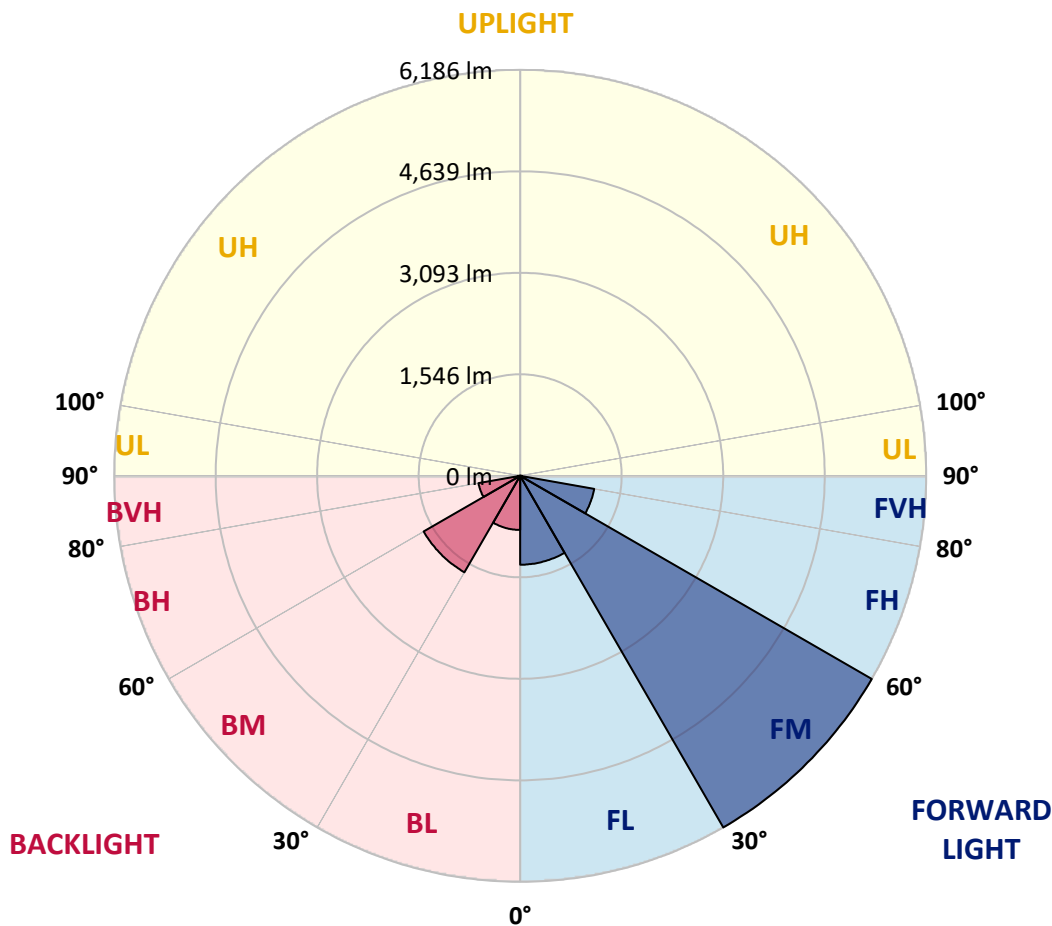
CATALOG NUMBER: GALN-SA3B-727-U-T2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1354.1	11.4			
FM (30°-60°)	6185.8	51.9			
FH (60°-80°)	1144.2	9.6			G1/1800
FVH (80°-90°)	28.0	0.2			G1/100
BL (0°-30°)	824.4	6.9	B2/1000		
BM (30°-60°)	1697.8	14.2	B2/2500		
BH (60°-80°)	644.6	5.4	B2/1000		G2/1000
BVH (80°-90°)	37.0	0.3			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 Short





REPORT NUMBER: P528162

CATALOG NUMBER: GALN-SA3B-727-U-T2-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0
2.5°	2511.7	2471.5	2468.4	2457.6	2463.8	2436.0	2406.6	2368.0	2327.9	2352.6	2293.9
5°	2687.8	2633.7	2655.3	2618.3	2622.9	2585.8	2525.6	2480.8	2431.4	2402.0	2360.3
7.5°	2749.6	2754.2	2769.6	2763.5	2732.6	2732.6	2692.4	2613.6	2527.1	2510.1	2440.6
10°	2833.0	2834.5	2817.5	2822.2	2865.4	2845.3	2809.8	2775.8	2664.6	2644.5	2520.9
12.5°	2862.3	2834.5	2862.3	2887.0	2938.0	2965.8	2958.1	2933.4	2814.4	2800.5	2619.8
15°	2867.0	2850.0	2873.1	2928.7	2973.5	3090.9	3149.6	3132.6	2975.1	2976.6	2731.0
17.5°	2845.3	2868.5	2877.8	2925.7	3029.2	3138.8	3308.7	3331.9	3202.2	3182.1	2871.6
20°	2874.7	2857.7	2870.0	2913.3	3050.8	3222.2	3444.7	3597.6	3415.3	3401.4	3016.8
22.5°	2987.4	2964.3	2961.2	2989.0	3087.9	3265.5	3588.3	3863.3	3674.8	3682.6	3197.5
25°	3075.5	3087.9	3077.0	3075.5	3137.3	3330.4	3778.3	4180.0	4027.0	3982.2	3410.7
27.5°	3226.9	3256.2	3234.6	3263.9	3250.0	3427.7	3914.3	4530.6	4407.0	4346.8	3603.8
30°	3437.0	3452.4	3432.3	3432.3	3390.6	3563.6	4037.8	4896.7	4845.7	4763.8	3830.8
32.5°	3713.5	3736.6	3696.5	3673.3	3667.1	3766.0	4260.3	5258.2	5344.7	5275.1	4132.1
35°	4079.5	4065.6	4017.8	3996.1	3912.7	4076.5	4590.8	5673.7	5900.7	5777.2	4496.6
37.5°	4402.4	4380.8	4377.7	4257.2	4277.3	4411.7	4872.0	5988.8	6439.8	6404.3	4881.2
40°	4703.6	4723.7	4756.1	4688.2	4657.3	4805.6	5199.5	6229.8	6858.5	6844.6	5177.8
42.5°	5026.4	5007.9	5065.1	5007.9	4961.6	5171.6	5554.7	6396.6	7226.1	7111.8	5488.3
45°	5494.5	5435.8	5455.9	5460.5	5426.5	5503.8	5701.5	6517.1	7484.1	7471.7	5715.4
47.5°	5885.3	5886.8	5852.9	5826.6	5723.1	5800.3	5865.2	6592.8	7780.6	7760.6	5803.4
50°	6030.5	6010.4	6109.3	6166.4	6172.6	6015.1	5993.4	6634.5	7936.7	7848.6	5891.5
52.5°	5508.4	5526.9	5682.9	6022.8	6219.0	6235.9	6143.3	6721.0	8000.0	7981.5	5962.5
55°	4433.3	4522.9	4779.3	5171.6	5636.6	6147.9	6305.5	6810.6	8034.0	8018.5	6277.7
56°	3897.3	3966.8	4300.4	4607.8	5191.7	5828.1	6203.5	6906.3	8060.2	8132.8	6351.8
57.5°	3137.3	3217.6	3457.0	3806.1	4495.1	5219.5	5922.4	6788.9	7958.3	7986.1	6405.9
60°	1961.8	1969.5	2256.8	2487.0	2972.0	3679.5	4519.8	5906.9	7365.1	7325.0	5754.0
62.5°	1286.7	1288.3	1549.3	1737.8	1958.7	2120.9	2660.0	3917.4	5434.2	5363.2	4096.5
65°	903.6	923.7	1126.1	1377.9	1467.5	1382.5	1365.5	2065.3	3035.3	2933.4	2201.2
67.5°	661.1	662.7	841.9	1112.2	1241.9	1051.9	854.2	1008.7	1201.8	1198.7	1019.5
70°	437.1	455.7	593.2	831.0	979.3	844.9	698.2	721.4	764.6	764.6	758.4
72.5°	254.9	271.9	363.0	526.7	549.9	528.3	553.0	617.9	645.7	644.1	636.4
75°	145.2	152.9	173.0	219.3	273.4	322.8	406.3	468.0	495.8	512.8	492.8
77.5°	85.0	89.6	102.0	125.1	142.1	174.6	220.9	264.1	301.2	296.6	299.7
80°	44.8	44.8	57.2	74.1	98.9	123.6	146.7	171.5	191.5	196.2	200.8
82.5°	26.3	27.8	37.1	54.1	71.1	88.0	112.8	129.8	148.3	149.8	152.9
85°	13.9	15.4	23.2	35.5	47.9	54.1	55.6	52.5	57.2	54.1	61.8
87.5°	4.6	4.6	7.7	6.2	6.2	7.7	9.3	9.3	12.4	12.4	12.4
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: P528162

CATALOG NUMBER: GALN-SA3B-727-U-T2-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0
2.5°	2292.3	2292.3	2266.1	2216.6	2208.9	2188.8	2170.3	2168.8	2154.9	2142.5	2136.3
5°	2335.6	2287.7	2249.1	2204.3	2151.8	2127.0	2099.2	2068.4	2056.0	2068.4	2066.8
7.5°	2385.0	2344.9	2229.0	2145.6	2085.3	2060.6	2029.7	1997.3	2000.4	2000.4	1978.8
10°	2432.9	2378.8	2193.5	2086.9	1998.8	1980.3	1963.3	1975.7	1991.1	1994.2	1980.3
12.5°	2513.2	2391.2	2176.5	2028.2	1972.6	1932.4	1943.2	1977.2	2009.7	2000.4	2011.2
15°	2573.5	2402.0	2099.2	1967.9	1898.4	1917.0	1955.6	1978.8	2032.8	2026.6	2037.5
17.5°	2632.2	2408.2	2023.6	1887.6	1858.3	1909.2	1938.6	2005.0	2022.0	2059.1	2073.0
20°	2752.7	2420.5	1946.3	1838.2	1828.9	1887.6	1938.6	1969.5	2006.6	2039.0	2039.0
22.5°	2814.4	2414.4	1895.3	1773.3	1802.7	1839.7	1886.1	1938.6	1938.6	1969.5	1971.0
25°	2891.7	2389.6	1815.0	1742.4	1764.0	1799.6	1852.1	1833.6	1853.6	1853.6	1878.4
27.5°	2979.7	2337.1	1745.5	1686.8	1730.1	1768.7	1776.4	1764.0	1740.9	1737.8	1728.5
30°	3050.8	2272.3	1694.5	1668.3	1703.8	1725.4	1700.7	1674.5	1634.3	1631.2	1609.6
32.5°	3148.1	2191.9	1631.2	1621.9	1662.1	1663.6	1655.9	1615.8	1557.1	1532.3	1507.6
35°	3311.8	2145.6	1583.3	1597.2	1609.6	1604.9	1591.0	1547.8	1489.1	1478.3	1469.0
37.5°	3432.3	2111.6	1533.9	1550.9	1561.7	1567.9	1526.2	1478.3	1479.8	1458.2	1452.0
40°	3568.3	2090.0	1493.7	1501.4	1503.0	1523.1	1472.1	1448.9	1459.7	1445.8	1455.1
42.5°	3742.8	2096.2	1452.0	1445.8	1475.2	1467.5	1442.7	1411.9	1418.0	1376.3	1382.5
45°	3835.5	2137.9	1427.3	1399.5	1431.9	1430.4	1398.0	1368.6	1331.5	1251.2	1254.3
47.5°	3897.3	2148.7	1368.6	1350.1	1384.0	1404.1	1367.1	1299.1	1246.6	1189.4	1175.5
50°	3960.6	2168.8	1340.8	1302.2	1316.1	1364.0	1317.6	1252.7	1201.8	1150.8	1158.5
52.5°	4016.2	2207.4	1286.7	1229.6	1254.3	1306.8	1282.1	1203.3	1147.7	1106.0	1093.6
55°	4263.4	2293.9	1195.6	1121.5	1180.1	1246.6	1232.7	1136.9	1076.7	1055.0	1051.9
56°	4302.0	2297.0	1147.7	1084.4	1138.4	1226.5	1209.5	1107.5	1053.5	1019.5	1021.0
57.5°	4308.2	2259.9	1079.7	1050.4	1096.7	1197.1	1175.5	1084.4	1010.2	979.3	970.1
60°	3790.7	1764.0	994.8	976.2	1030.3	1107.5	1099.8	1021.0	937.6	902.1	919.1
62.5°	2584.3	1292.9	928.4	925.3	953.1	1028.8	1008.7	937.6	868.1	844.9	834.1
65°	1504.5	980.9	863.5	851.1	874.3	914.5	928.4	854.2	781.6	766.2	761.5
67.5°	888.2	811.0	780.1	760.0	752.3	777.0	787.8	744.5	671.9	650.3	668.9
70°	743.0	721.4	722.9	688.9	670.4	653.4	644.1	605.5	545.3	517.5	509.8
72.5°	641.0	631.8	625.6	594.7	577.7	539.1	498.9	460.3	415.5	392.4	393.9
75°	489.7	486.6	489.7	474.2	444.9	414.0	376.9	327.5	293.5	264.1	270.3
77.5°	291.9	301.2	305.9	299.7	287.3	259.5	236.3	203.9	171.5	148.3	145.2
80°	200.8	208.5	216.3	208.5	196.2	176.1	151.4	126.7	103.5	91.1	88.0
82.5°	152.9	160.6	165.3	157.6	142.1	120.5	103.5	86.5	68.0	55.6	52.5
85°	55.6	63.3	61.8	74.1	80.3	77.2	66.4	51.0	38.6	27.8	26.3
87.5°	15.4	13.9	15.4	15.4	15.4	13.9	12.4	12.4	12.4	7.7	6.2
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)