

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: STREETWORKS

Report Number: P649036

Luminaire Tested: **GLAN-SA7C-835-U-SL3**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P649036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-835-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38002.9 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

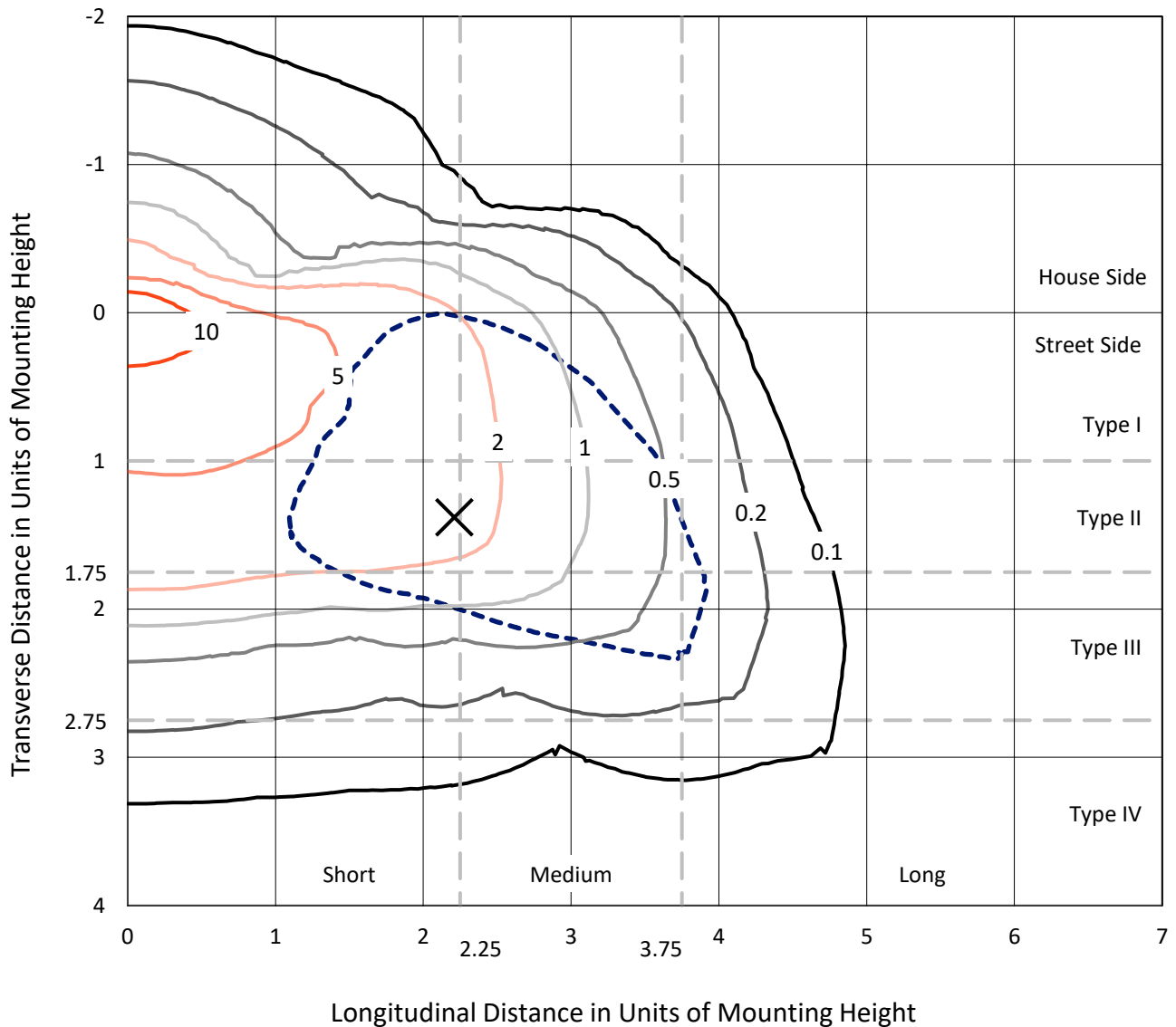
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

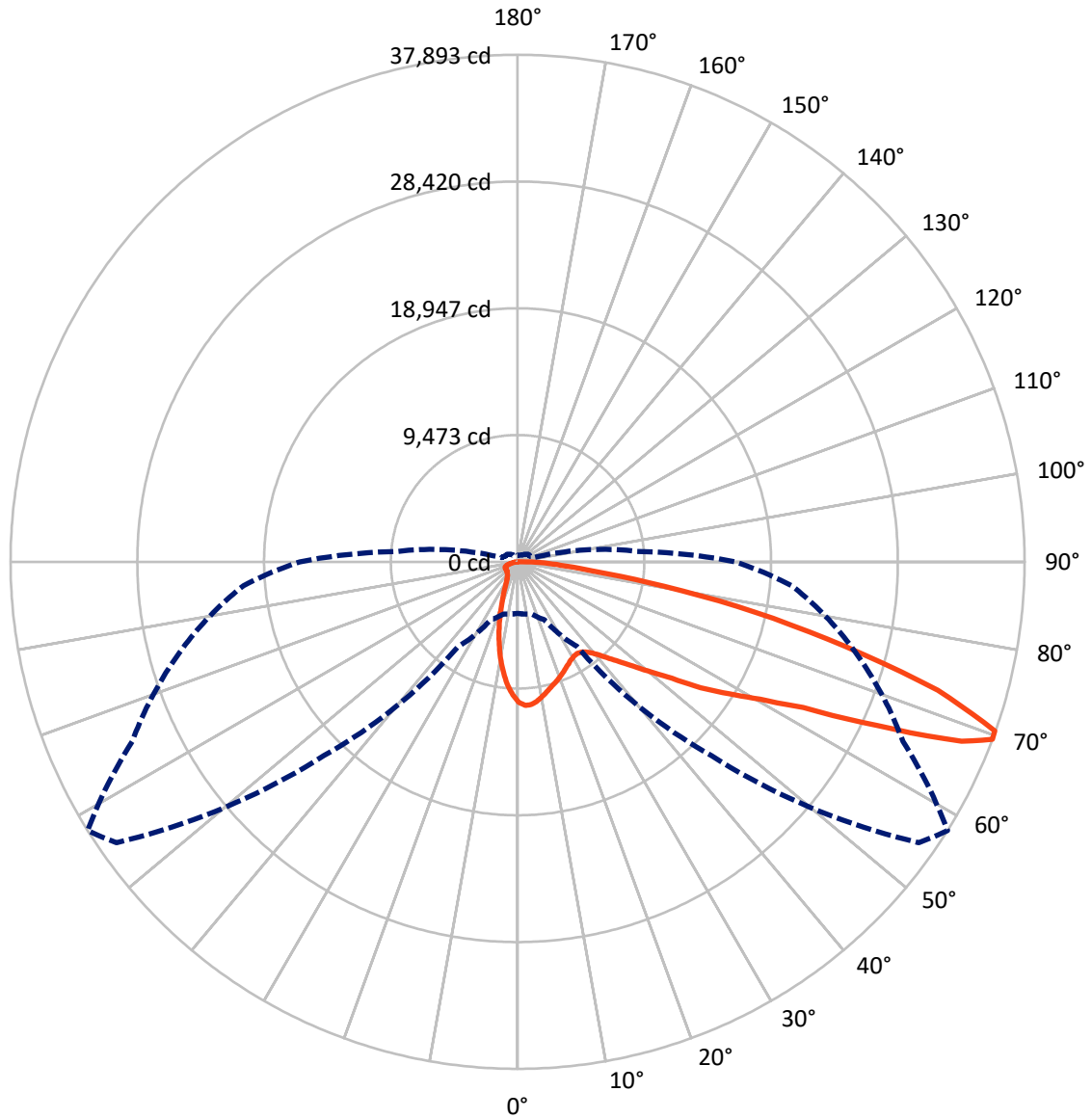
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5569.3	0.0	5569.3
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	32433.6	0.0	32433.6
	% Fixture	85.3	0.0	85.3
Total	Lumens	38002.9	0.0	38002.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	891.9	2.3
10°-20°	1958.4	5.2
20°-30°	2530.2	6.7
30°-40°	3286.3	8.6
40°-50°	4777.8	12.6
50°-60°	7623.8	20.1
60°-70°	10184.4	26.8
70°-80°	5870.9	15.4
80°-90°	879.3	2.3
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°	38002.9	100.0
0°-180°	38002.9	100.0

Coefficient of Utilization

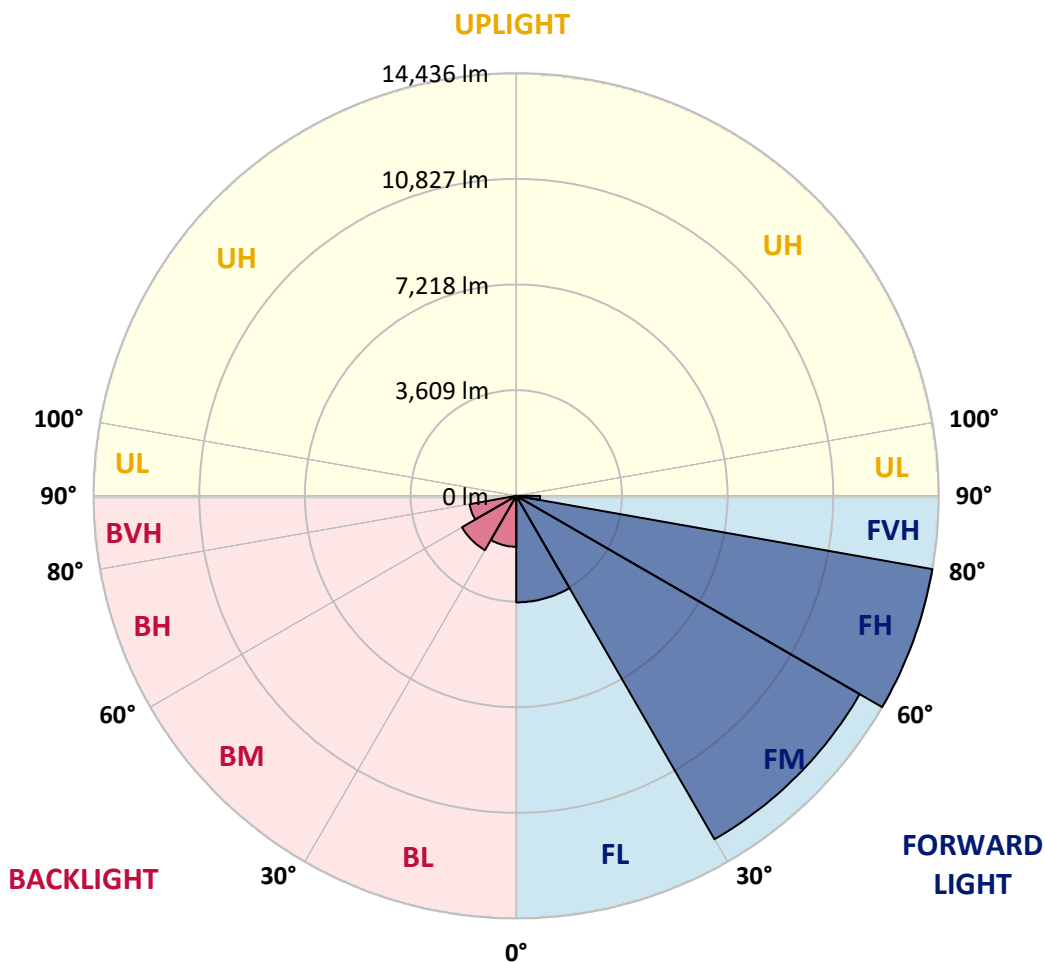


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3639.7	9.6			
FM (30°-60°)	13546.1	35.6			
FH (60°-80°)	14435.8	38.0			G5
FVH (80°-90°)	812.0	2.1			G5
BL (0°-30°)	1740.7	4.6	B3/2500		
BM (30°-60°)	2141.8	5.6	B2/2500		
BH (60°-80°)	1619.4	4.3	B3/2500		G3/2500
BVH (80°-90°)	67.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10501.8	10501.8	10501.8	10501.8	10501.8	10501.8	10501.8	10501.8	10501.8	10501.8	10501.8
2.5°	10891.8	10921.4	10913.0	10902.3	10885.4	10838.8	10762.5	10749.7	10701.0	10597.1	10467.8
5°	10724.3	10749.7	10751.8	10766.7	10787.9	10779.4	10724.3	10717.9	10645.9	10506.0	10289.9
7.5°	10150.0	10183.9	10258.0	10340.7	10414.9	10484.8	10501.8	10512.4	10467.8	10306.8	10018.6
10°	9503.5	9537.4	9571.3	9694.2	9876.5	10050.4	10194.4	10213.5	10224.1	10075.8	9723.9
12.5°	8787.1	8857.1	8929.2	9111.5	9355.1	9628.6	9882.9	9923.2	9995.2	9882.9	9469.6
15°	8178.9	8250.9	8354.8	8518.0	8812.6	9206.8	9565.0	9630.7	9772.7	9715.5	9232.3
17.5°	7757.1	7782.6	7854.6	8041.1	8359.0	8774.5	9253.4	9384.8	9611.6	9596.8	9028.8
20°	7424.3	7456.1	7500.7	7615.1	7945.7	8384.4	8963.1	9132.6	9439.9	9490.8	8827.5
22.5°	7284.5	7307.8	7301.5	7362.9	7587.6	8028.4	8668.4	8869.8	9287.3	9418.8	8641.0
25°	7292.9	7314.2	7282.4	7267.5	7401.1	7714.7	8361.2	8617.6	9164.4	9370.0	8471.4
27.5°	7435.0	7449.8	7390.4	7331.1	7341.7	7519.8	8106.8	8390.9	9060.6	9391.2	8329.4
30°	7625.7	7653.3	7615.1	7543.0	7464.7	7473.1	7943.6	8223.4	9011.8	9465.4	8261.5
32.5°	7871.6	7897.0	7880.0	7822.8	7721.1	7608.7	7903.4	8161.9	9016.1	9615.9	8246.7
35°	8130.1	8181.0	8208.6	8204.4	8121.7	7926.7	8062.3	8276.4	9117.8	9868.1	8333.6
37.5°	8422.7	8465.0	8583.7	8660.0	8583.7	8356.9	8420.5	8568.8	9342.4	10232.6	8524.4
40°	8706.6	8770.2	8944.0	9181.4	9151.7	8952.5	8967.3	9064.8	9738.8	10775.2	8897.4
42.5°	9003.3	9079.7	9382.7	9734.6	9804.5	9649.8	9690.0	9776.9	10302.6	11527.6	9537.4
45°	9384.8	9475.9	9849.0	10287.7	10563.2	10467.8	10582.3	10624.7	11057.1	12506.8	10380.9
47.5°	9876.5	9982.5	10442.4	10989.2	11379.3	11466.1	11665.4	11639.9	11991.7	13666.1	11474.6
50°	10705.3	10764.6	11199.1	11756.5	12292.7	12684.8	12900.9	12941.3	13151.0	14793.6	12697.5
52.5°	11690.8	11743.7	12057.4	12544.9	13216.8	14047.6	14581.7	14450.3	14501.2	16167.0	14128.1
55°	12799.2	12888.3	13087.5	13411.8	14282.9	15505.7	16578.2	16610.0	16046.2	17481.1	15499.4
57.5°	13657.6	13808.1	14149.3	14611.3	15715.6	17127.1	18568.3	18589.5	17868.9	18884.2	17012.6
60°	13225.3	13403.3	14183.3	15308.7	17595.5	19956.6	20946.3	20825.5	19642.9	20482.2	18858.7
62.5°	11360.2	11391.9	12525.8	14285.0	18174.1	23741.9	24485.8	23975.0	22010.3	22508.4	20734.4
65°	7352.3	7560.0	8458.7	10923.6	16273.0	25842.2	30687.3	29506.7	25329.3	24807.9	22304.9
67.5°	4641.5	4588.5	4961.6	6237.5	11192.8	23992.0	35979.5	35793.0	29669.9	26259.7	21929.7
69°	3848.9	3908.3	4035.4	4781.5	7702.0	20484.3	36604.7	37893.3	31774.5	26145.3	20567.0
70°	3490.7	3518.3	3651.8	4238.8	5942.9	17156.8	35578.9	37836.0	32601.1	25666.3	19579.3
72.5°	2770.1	2768.0	2996.9	3526.7	4442.4	9793.9	29214.2	32849.0	31677.0	23436.7	16177.6
75°	2104.6	2138.5	2390.7	2984.2	4092.6	5351.6	20386.8	25297.6	25299.7	18511.1	10094.8
77.5°	1517.5	1538.7	1833.3	2505.1	3855.3	4338.4	13579.2	18144.5	17057.2	8481.9	3172.8
80°	994.0	1006.7	1231.4	1983.8	3475.9	4092.6	8051.7	11105.8	8045.3	2250.8	1049.1
82.5°	544.7	608.3	752.4	1284.4	2789.2	3781.0	4893.8	5620.8	3018.1	1002.5	546.8
85°	273.4	290.3	423.9	750.3	1822.7	3128.2	3408.0	3223.7	1557.8	498.1	284.0
87.5°	80.6	101.7	175.9	290.3	739.7	1629.8	1896.9	1701.9	599.8	180.2	59.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10501.8	10501.8	10501.8	10501.8	10501.8	10501.8	10501.8	10501.8	10501.8	10501.8	10501.8
2.5°	10414.9	10376.7	10207.2	10054.6	9914.7	9766.4	9641.3	9531.1	9541.6	9543.8	9431.5
5°	10177.5	10090.6	9768.5	9467.5	9213.2	8891.0	8615.5	8437.5	8348.4	8229.7	8272.2
7.5°	9855.4	9687.9	9240.7	8740.6	8272.2	7854.6	7401.1	7089.5	6890.2	6697.4	6722.8
10°	9522.6	9253.4	8602.7	7941.5	7335.4	6667.7	6089.2	5593.2	5224.4	5086.6	4995.5
12.5°	9181.4	8827.5	8000.9	7121.3	6284.1	5485.1	4664.9	4132.9	3726.0	3509.8	3537.4
15°	8869.8	8439.6	7373.5	6301.0	5213.8	4262.2	3444.1	2937.5	2653.5	2594.2	2628.1
17.5°	8581.6	8017.8	6786.4	5504.2	4234.6	3196.1	2587.8	2301.7	2187.2	2155.4	2153.3
20°	8284.8	7659.6	6127.3	4652.1	3300.0	2477.6	2123.7	1990.2	1968.9	1981.7	1983.8
22.5°	7983.9	7216.7	5449.1	3806.5	2628.1	2026.2	1856.6	1820.6	1837.5	1867.2	1871.4
25°	7706.3	6826.7	4796.3	3064.7	2098.2	1780.3	1697.7	1697.7	1735.8	1780.3	1782.4
27.5°	7477.3	6449.4	4145.6	2433.1	1757.0	1602.3	1574.8	1589.6	1642.6	1676.5	1678.6
30°	7288.7	6097.6	3530.9	1949.9	1545.1	1460.3	1454.0	1479.4	1517.5	1549.3	1551.4
32.5°	7146.8	5788.2	2956.6	1638.3	1398.8	1352.2	1350.0	1369.2	1390.4	1398.8	1407.3
35°	7091.6	5531.7	2431.0	1441.2	1301.3	1271.7	1271.7	1269.6	1278.0	1282.2	1286.5
37.5°	7136.1	5334.6	2024.1	1314.0	1229.2	1208.1	1195.3	1182.6	1178.4	1178.4	1180.5
40°	7324.7	5230.8	1721.0	1231.4	1178.4	1146.6	1123.3	1108.5	1093.6	1097.8	1102.1
42.5°	7725.3	5249.9	1515.4	1176.3	1133.9	1089.4	1055.5	1038.5	1027.9	1040.6	1038.5
45°	8363.3	5440.6	1384.0	1138.2	1089.4	1032.2	1000.4	983.4	983.4	1002.5	1008.8
47.5°	9255.5	5805.1	1314.0	1108.5	1055.5	987.7	955.9	943.1	947.4	979.1	981.3
50°	10344.9	6438.8	1301.3	1093.6	1038.5	955.9	919.9	907.1	917.7	951.7	955.9
52.5°	11546.7	7254.8	1362.8	1095.7	1023.7	936.8	890.2	871.1	881.7	909.2	917.7
55°	12970.9	8276.4	1521.8	1104.2	1002.5	926.2	869.0	826.6	839.3	858.4	860.5
57.5°	14424.8	9565.0	1801.5	1106.4	985.6	907.1	833.0	777.8	777.8	790.5	796.9
60°	16200.9	10968.0	2170.3	1108.5	987.7	879.5	784.2	722.7	714.3	720.6	722.7
62.5°	17964.3	12142.2	2231.8	1102.1	1008.8	852.0	731.2	667.6	652.8	650.7	646.4
65°	18742.1	11923.9	1829.1	1072.4	1032.2	835.1	688.8	614.7	589.2	580.8	580.8
67.5°	17474.7	10086.4	1375.5	1032.2	1017.4	818.1	648.6	570.1	540.4	523.5	523.5
69°	16283.6	8971.5	1235.7	1004.6	979.1	790.5	623.1	546.8	510.8	491.7	485.4
70°	15363.7	8204.4	1176.3	981.3	943.1	758.7	604.0	529.9	489.6	468.4	464.2
72.5°	12260.9	6436.7	1030.0	892.3	803.3	637.9	536.2	476.8	438.7	415.4	409.0
75°	7066.2	3488.6	854.1	775.7	646.4	496.0	453.6	415.4	385.7	364.6	358.2
77.5°	2174.5	1347.9	618.9	612.5	474.7	383.6	362.5	347.6	326.4	303.1	298.9
80°	915.6	686.7	419.6	413.3	315.8	267.1	260.7	258.5	250.1	231.0	224.6
82.5°	502.3	387.8	292.5	254.3	190.7	154.7	161.1	163.2	156.8	137.7	125.0
85°	245.9	212.0	142.0	114.5	86.9	55.1	53.0	63.6	59.4	42.4	46.6
87.5°	48.8	59.4	38.1	17.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0
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)