

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: P531457

Luminaire Tested: **GLAN-SA6D-730-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6D-730-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24431 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

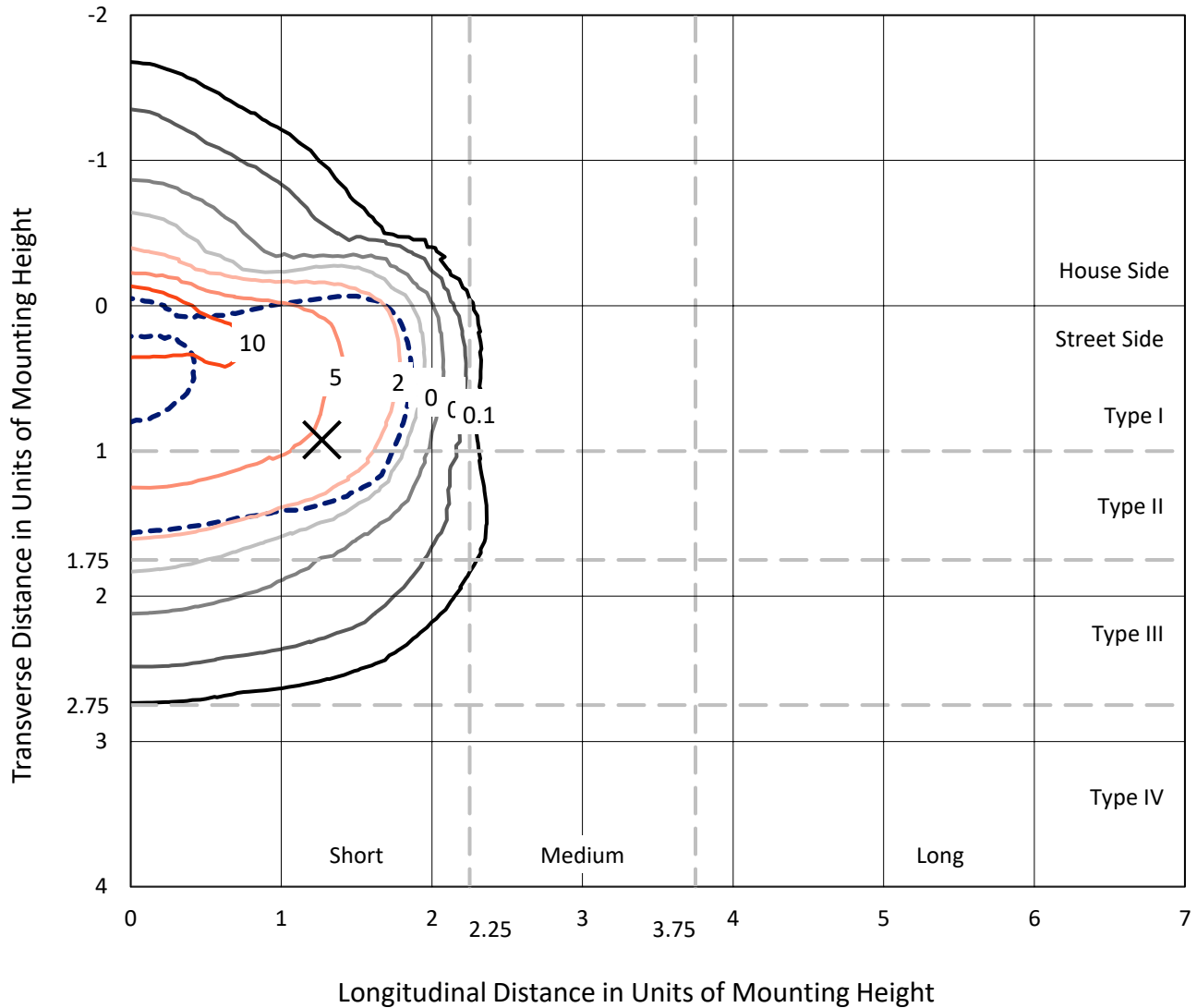
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

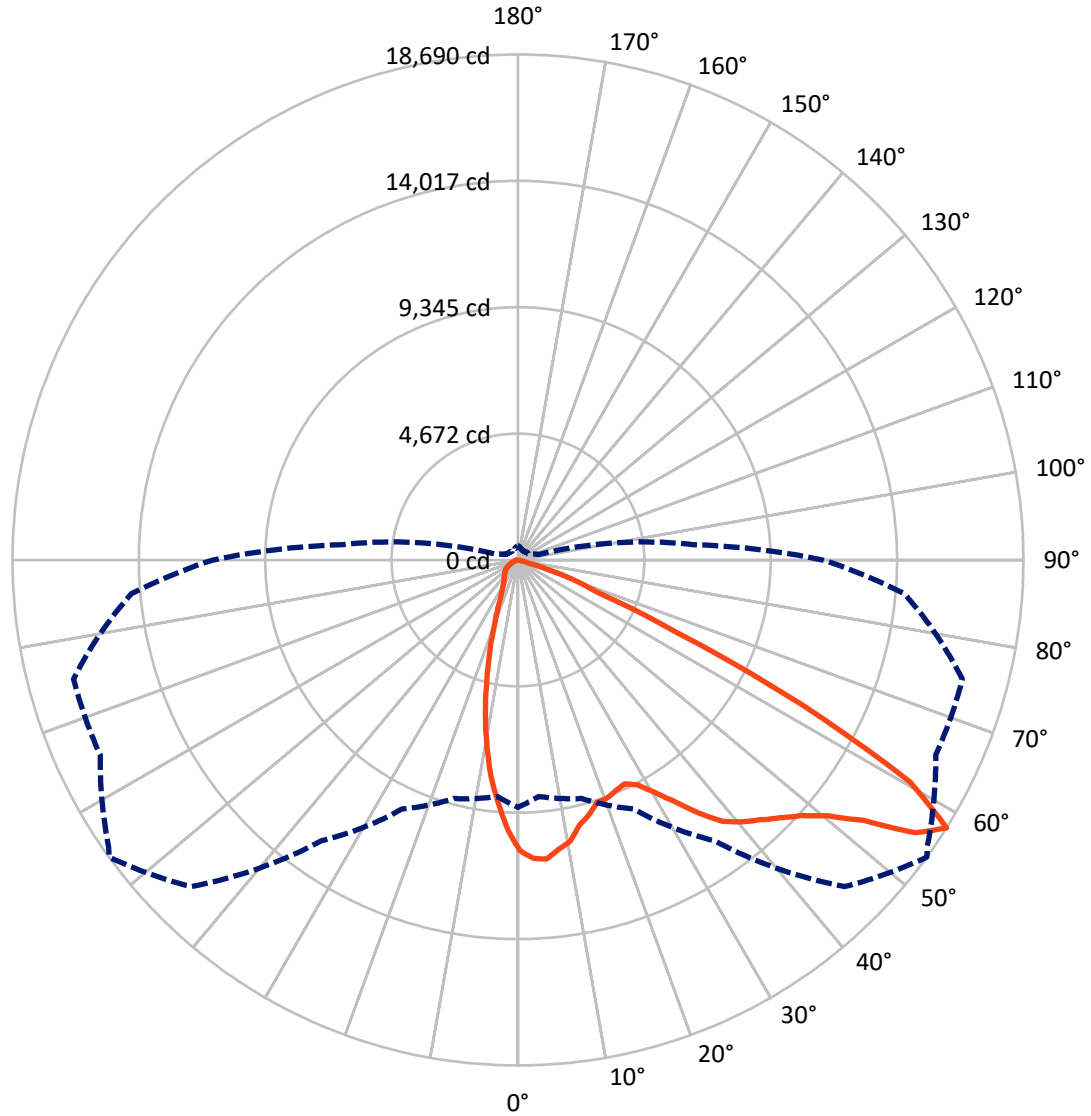
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3452.5	0.0	3452.5
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	20978.5	0.0	20978.5
	% Fixture	85.9	0.0	85.9
Total	Lumens	24431.0	0.0	24431.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	900.6	3.7
10°-20°	1922.8	7.9
20°-30°	2548.0	10.4
30°-40°	3703.0	15.2
40°-50°	5491.1	22.5
50°-60°	6866.4	28.1
60°-70°	2708.5	11.1
70°-80°	269.7	1.1
80°-90°	21.0	0.1
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°	24431.0	100.0
0°-180°	24431.0	100.0

Coefficient of Utilization



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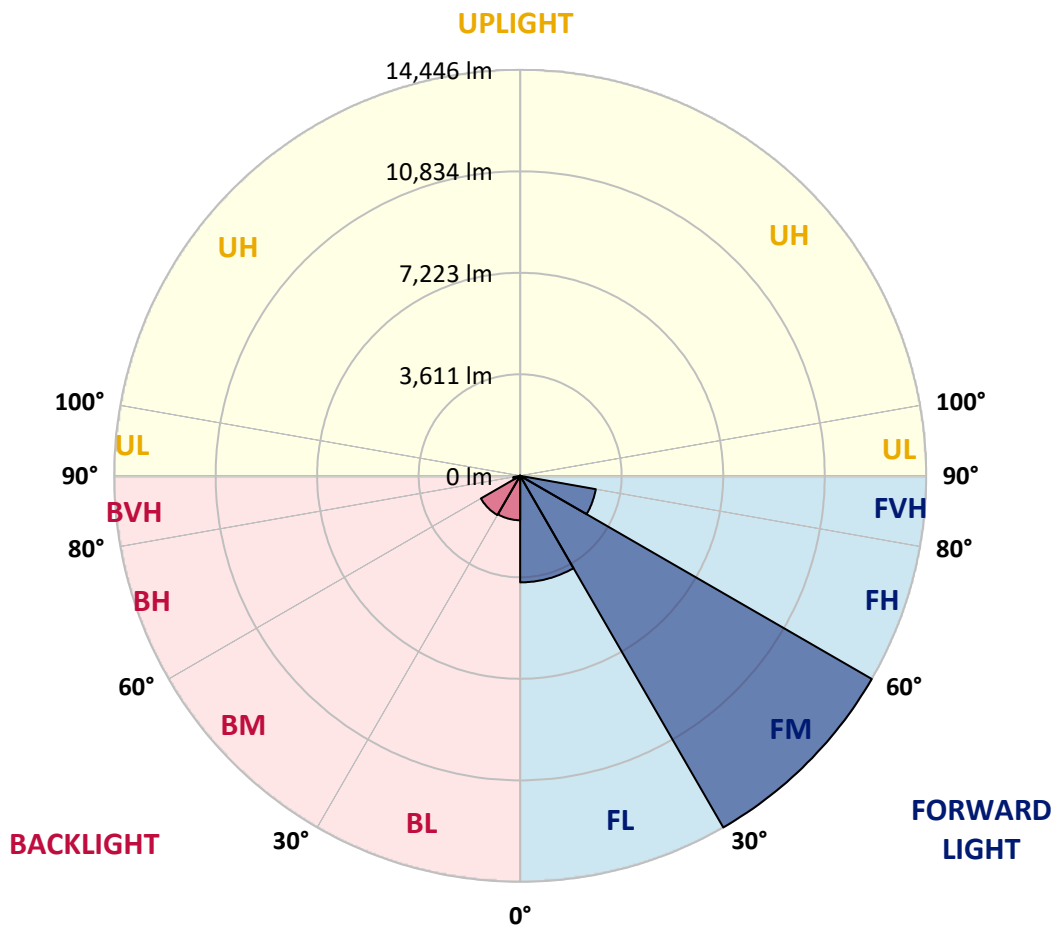
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3792.4	15.5			
FM (30°-60°)	14446.0	59.1			
FH (60°-80°)	2730.6	11.2			G2/5000
FVH (80°-90°)	9.5	0.0			G0/10
BL (0°-30°)	1579.0	6.5	B3/2500		
BM (30°-60°)	1614.5	6.6	B2/2500		
BH (60°-80°)	247.6	1.0	B1/500		G1/500
BVH (80°-90°)	11.4	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	10762.2	10762.2	10762.2	10762.2	10762.2	10762.2	10762.2	10762.2	10762.2	10762.2	10762.2
2.5°	11389.1	11271.0	11280.1	11239.2	11184.7	11225.6	11048.4	11089.3	11084.7	10844.0	10685.0
5°	11102.9	11230.1	11098.4	11207.4	11102.9	11216.5	11107.4	11025.7	10893.9	10716.8	10421.5
7.5°	10616.8	10494.2	10530.5	10666.8	10689.5	10943.9	10807.6	10912.1	10857.6	10507.8	10103.5
10°	9640.1	9612.8	9794.5	9976.3	10198.9	10471.4	10575.9	10516.9	10476.0	10344.2	9803.6
12.5°	8890.5	8967.7	8963.2	9263.0	9640.1	9794.5	10067.1	10058.0	10285.2	10039.9	9522.0
15°	8177.3	8218.1	8409.0	8595.2	9013.2	9453.8	9790.0	9835.4	10108.0	9935.4	9303.9
17.5°	7741.1	7682.1	7832.0	8054.6	8481.6	9058.6	9431.1	9540.1	9912.7	9876.3	9054.0
20°	7309.6	7309.6	7432.2	7695.7	8086.4	8736.0	9399.3	9367.5	9912.7	9808.2	8786.0
22.5°	7164.2	7236.9	7268.7	7468.6	7931.9	8490.7	9263.0	9322.1	9989.9	9776.4	8667.9
25°	7364.1	7268.7	7277.8	7436.8	7872.9	8372.6	9163.1	9294.8	10130.7	9935.4	8572.5
27.5°	7395.9	7491.3	7518.5	7627.6	7918.3	8409.0	9412.9	9681.0	10480.5	10307.9	8599.8
30°	7673.0	7768.4	7763.9	7950.1	8150.0	8704.2	9971.7	10026.2	11202.8	10775.8	8767.8
32.5°	8009.2	8109.1	8140.9	8359.0	8518.0	9244.8	10653.2	10794.0	11897.9	11511.8	9208.5
35°	8427.1	8390.8	8536.2	8754.2	9094.9	10035.3	11484.5	11720.7	12647.5	12465.8	9662.8
37.5°	8949.6	8904.1	9045.0	9399.3	9862.7	10971.2	12252.3	12406.7	13192.6	13351.7	10503.2
40°	9317.5	9335.7	9762.7	10239.7	10730.4	11861.6	12738.4	12888.3	13574.3	14178.5	11139.2
42.5°	9930.8	10044.4	10557.8	11139.2	11652.6	12529.4	13133.6	13279.0	13751.4	14841.7	11997.9
45°	10821.2	10771.3	11339.1	11988.8	12556.6	13224.4	13601.5	13551.5	13855.9	15500.5	12538.5
47.5°	11966.1	11975.1	12352.2	12906.4	13497.0	13828.7	14123.9	13946.8	14074.0	16195.5	13260.8
50°	12747.4	12815.6	13120.0	13687.8	13983.1	14491.9	14869.0	14760.0	14719.1	16613.5	13715.1
52.5°	12947.3	13151.8	13315.3	14024.0	14714.5	15518.6	16000.2	16231.9	15505.0	16754.3	14292.0
55°	11439.1	11620.8	12197.7	13169.9	14991.6	17145.0	17808.3	17812.8	16531.7	17381.2	14696.4
57.5°	9144.9	8776.9	9131.3	10162.5	12674.8	17076.8	18689.6	18476.1	17045.0	17013.2	14346.6
60°	6323.7	6232.9	6255.6	6664.5	8772.4	13583.3	16654.4	16931.5	15695.8	14746.3	11357.3
62.5°	5010.8	4933.6	4833.7	4788.2	5447.0	8463.5	11748.0	12138.7	10975.7	9562.9	6732.6
65°	3925.1	3879.7	3893.3	4075.0	4070.5	4801.9	6423.7	6264.7	5015.4	3707.0	2117.0
67.5°	2648.5	2716.7	2771.2	3320.9	3602.5	3343.6	3102.8	3012.0	1630.9	686.0	467.9
70°	1490.1	1499.2	1558.2	2076.1	2734.8	2594.0	2139.7	2139.7	813.2	249.9	268.0
72.5°	813.2	785.9	731.4	895.0	1217.5	1235.7	954.0	831.4	240.8	163.5	149.9
75°	395.2	390.7	336.2	277.1	263.5	218.1	168.1	154.5	109.0	104.5	90.9
77.5°	81.8	77.2	40.9	40.9	45.4	50.0	63.6	63.6	77.2	77.2	63.6
80°	0.0	0.0	4.5	18.2	31.8	45.4	54.5	54.5	63.6	63.6	50.0
82.5°	0.0	0.0	4.5	13.6	27.3	40.9	50.0	54.5	63.6	68.1	54.5
85°	0.0	0.0	0.0	9.1	22.7	31.8	27.3	27.3	22.7	18.2	9.1
87.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10762.2	10762.2	10762.2	10762.2	10762.2	10762.2	10762.2	10762.2	10762.2	10762.2	10762.2
2.5°	10603.2	10594.1	10385.1	10267.0	10053.5	9867.2	9717.3	9608.3	9608.3	9540.1	9476.5
5°	10303.3	10226.1	9780.9	9494.7	9090.4	8790.6	8586.1	8427.1	8177.3	8245.4	7977.4
7.5°	9930.8	9735.5	9144.9	8708.8	8150.0	7723.0	7286.8	6900.7	6528.2	6360.1	6451.0
10°	9531.1	9190.3	8395.3	7704.8	7009.7	6228.3	5719.5	5101.7	4720.1	4697.4	4597.4
12.5°	9108.6	8722.4	7754.8	6800.8	5887.6	4947.2	4170.4	3593.5	3334.5	3048.3	3102.8
15°	8790.6	8218.1	7041.5	5892.2	4679.2	3729.7	2948.4	2503.2	2257.8	2189.7	2167.0
17.5°	8445.3	7832.0	6314.7	4924.5	3670.7	2684.9	2121.5	1908.0	1812.6	1812.6	1799.0
20°	8086.4	7395.9	5592.3	4025.0	2753.0	2003.4	1699.1	1630.9	1626.4	1621.8	1621.8
22.5°	7850.2	6896.2	4938.2	3198.2	2076.1	1603.7	1476.4	1449.2	1467.4	1521.9	1521.9
25°	7600.3	6414.6	4215.8	2466.8	1608.2	1376.5	1303.8	1322.0	1367.4	1417.4	1399.2
27.5°	7345.9	6101.1	3534.4	1935.3	1317.4	1203.9	1176.6	1217.5	1267.5	1312.9	1299.3
30°	7286.8	5765.0	2889.3	1467.4	1131.2	1049.4	1067.6	1103.9	1153.9	1172.1	1190.2
32.5°	7377.7	5501.5	2366.9	1203.9	985.8	963.1	963.1	981.3	1013.1	1054.0	1040.3
35°	7636.7	5351.6	1871.7	1044.9	904.0	881.3	876.8	895.0	913.1	926.8	913.1
37.5°	8031.9	5233.4	1531.0	926.8	849.5	813.2	804.1	799.6	817.7	822.3	831.4
40°	8536.2	5297.0	1299.3	854.1	795.0	754.1	726.9	726.9	726.9	740.5	745.0
42.5°	9081.3	5383.4	1122.1	813.2	745.0	695.1	667.8	658.7	667.8	686.0	681.4
45°	9653.7	5551.5	1008.5	749.6	699.6	636.0	599.7	590.6	613.3	649.6	645.1
47.5°	10189.8	5792.2	922.2	708.7	654.2	595.1	549.7	540.6	581.5	631.5	636.0
50°	10725.8	6210.2	890.4	676.9	622.4	554.2	513.4	504.3	549.7	613.3	626.9
52.5°	11343.7	6659.9	867.7	636.0	586.0	522.4	477.0	467.9	517.9	599.7	604.2
55°	11748.0	7041.5	849.5	563.3	517.9	472.5	436.1	431.6	486.1	558.8	577.0
57.5°	11275.5	6510.0	785.9	490.6	440.7	417.9	386.1	386.1	431.6	499.7	513.4
60°	8549.8	4284.0	558.8	395.2	372.5	358.9	345.3	345.3	381.6	431.6	436.1
62.5°	5006.3	2307.8	358.9	318.0	318.0	304.4	281.7	281.7	318.0	345.3	349.8
65°	1485.5	740.5	290.7	272.6	268.0	245.3	222.6	218.1	245.3	258.9	254.4
67.5°	427.0	340.7	240.8	227.1	222.6	186.3	172.6	168.1	172.6	163.5	159.0
70°	254.4	231.7	186.3	190.8	168.1	136.3	122.7	118.1	109.0	95.4	86.3
72.5°	140.8	140.8	136.3	145.4	118.1	90.9	77.2	63.6	50.0	40.9	36.3
75°	86.3	90.9	95.4	99.9	77.2	59.1	50.0	31.8	18.2	9.1	9.1
77.5°	59.1	63.6	68.1	72.7	63.6	54.5	40.9	22.7	4.5	0.0	0.0
80°	45.4	50.0	59.1	63.6	68.1	72.7	54.5	22.7	4.5	0.0	0.0
82.5°	50.0	54.5	68.1	63.6	63.6	63.6	50.0	22.7	4.5	0.0	0.0
85°	9.1	13.6	22.7	22.7	31.8	40.9	31.8	9.1	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)