

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: P454172

Luminaire Tested: **GLAN-SA5B-730-U-SL3**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454172
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-SA5B-730-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 800mA 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: 25722 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 204
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



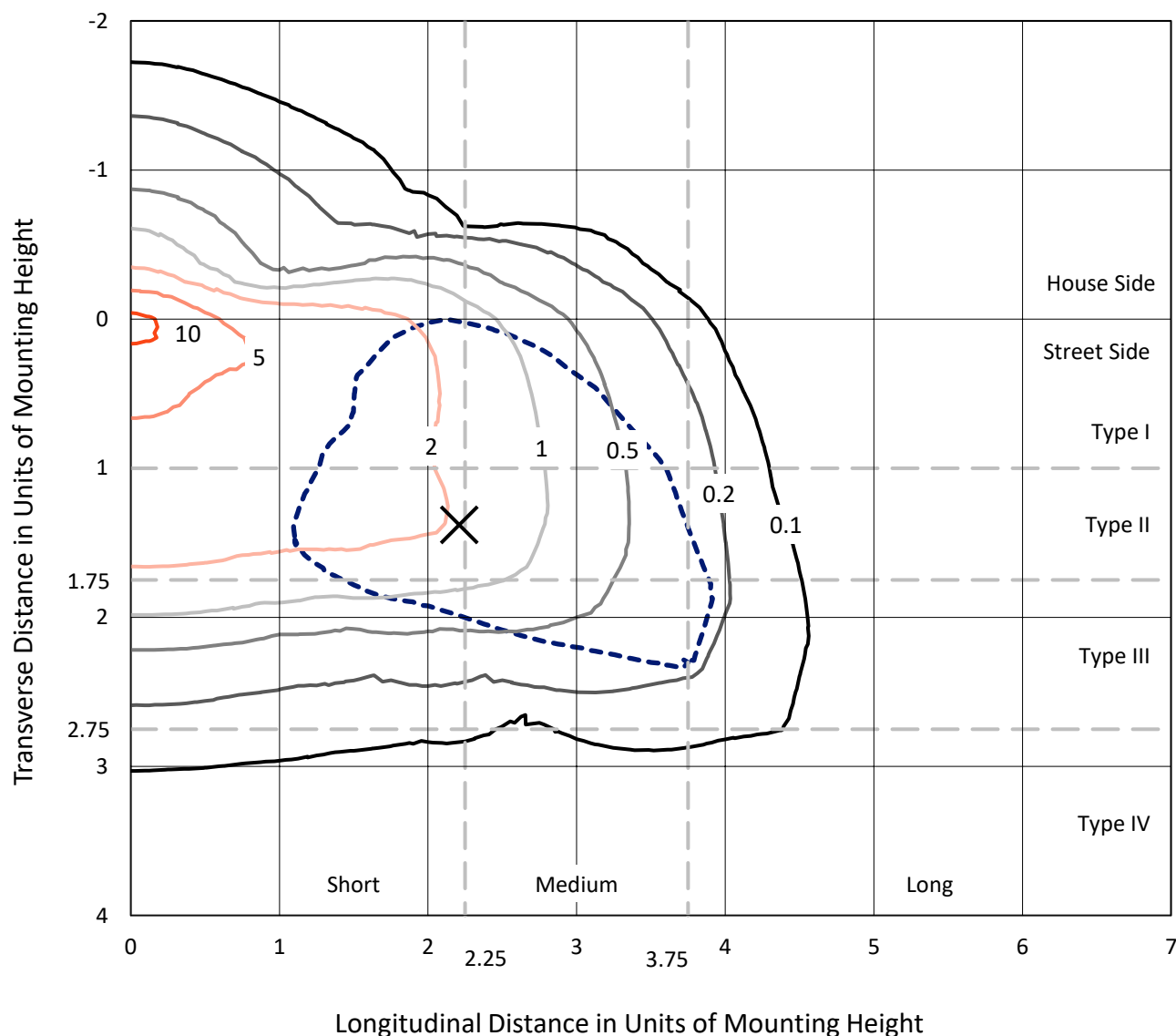
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

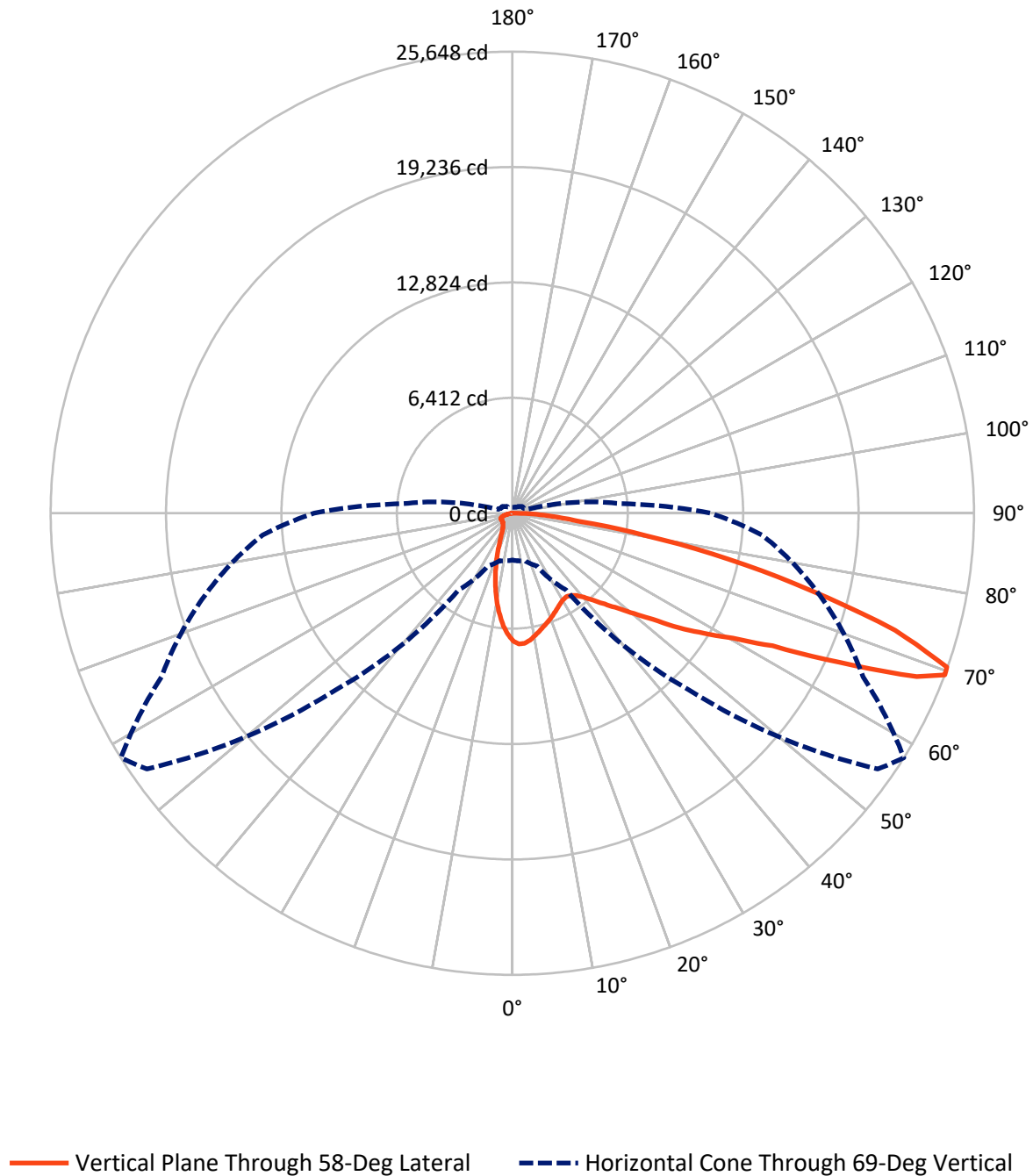


Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3769.6	0.0	3769.6
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	21952.4	0.0	21952.4
	% Fixture	85.3	0.0	85.3
Total	Lumens	25722.0	0.0	25722.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.6	2.3
10°-20°	1325.5	5.2
20°-30°	1712.6	6.7
30°-40°	2224.3	8.6
40°-50°	3233.8	12.6
50°-60°	5160.1	20.1
60°-70°	6893.2	26.8
70°-80°	3973.7	15.4
80°-90°	595.2	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°	25722.0	100.0
0°-180°	25722.0	100.0

Coefficient of Utilization



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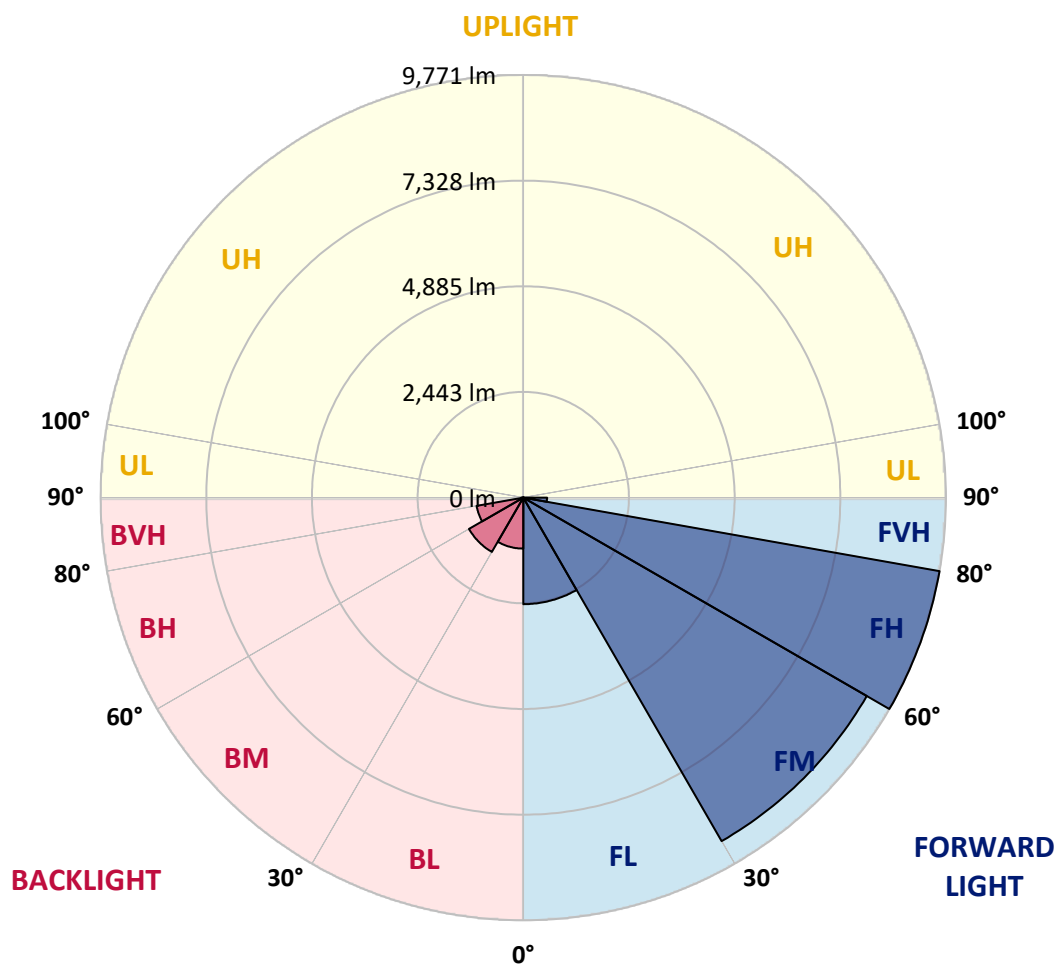
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2463.5	9.6			
FM	(30°-60°)	9168.6	35.6			
FH	(60°-80°)	9770.8	38.0			G4/12000
FVH	(80°-90°)	549.6	2.1			G4/750
BL	(0°-30°)	1178.2	4.6	B3/2500		
BM	(30°-60°)	1449.6	5.6	B2/2500		
BH	(60°-80°)	1096.1	4.3	B3/2500		G3/2500
BVH	(80°-90°)	45.6	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7108.1	7108.1	7108.1	7108.1	7108.1	7108.1	7108.1	7108.1	7108.1	7108.1	7108.1
2.5°	7372.0	7392.1	7386.4	7379.2	7367.7	7336.1	7284.5	7275.9	7242.9	7172.6	7085.1
5°	7258.7	7275.9	7277.3	7287.4	7301.7	7296.0	7258.7	7254.4	7205.6	7110.9	6964.6
7.5°	6869.9	6892.9	6943.1	6999.0	7049.2	7096.6	7108.1	7115.2	7085.1	6976.1	6781.0
10°	6432.4	6455.3	6478.3	6561.5	6684.9	6802.5	6900.0	6913.0	6920.1	6819.7	6581.6
12.5°	5947.5	5994.9	6043.6	6167.0	6332.0	6517.0	6689.2	6716.4	6765.2	6689.2	6409.4
15°	5535.8	5584.6	5654.9	5765.3	5964.7	6231.6	6474.0	6518.5	6614.6	6575.8	6248.8
17.5°	5250.3	5267.6	5316.3	5442.6	5657.8	5938.9	6263.1	6352.1	6505.6	6495.5	6111.1
20°	5025.1	5046.6	5076.8	5154.2	5378.0	5675.0	6066.6	6181.4	6389.4	6423.8	5974.8
22.5°	4930.5	4946.2	4941.9	4983.5	5135.6	5434.0	5867.2	6003.5	6286.1	6375.0	5848.5
25°	4936.2	4950.5	4929.0	4919.0	5009.3	5221.7	5659.2	5832.8	6202.9	6342.0	5733.8
27.5°	5032.3	5042.3	5002.2	4962.0	4969.2	5089.7	5487.0	5679.3	6132.6	6356.4	5637.7
30°	5161.4	5180.1	5154.2	5105.5	5052.4	5058.1	5376.6	5565.9	6099.6	6406.6	5591.8
32.5°	5327.8	5345.0	5333.6	5294.8	5226.0	5149.9	5349.3	5524.3	6102.5	6508.4	5581.7
35°	5502.8	5537.3	5555.9	5553.0	5497.1	5365.1	5456.9	5601.8	6171.3	6679.1	5640.5
37.5°	5700.8	5729.5	5809.8	5861.5	5809.8	5656.3	5699.4	5799.8	6323.4	6925.9	5769.6
40°	5893.0	5936.1	6053.7	6214.3	6194.3	6059.4	6069.5	6135.4	6591.6	7293.1	6022.1
42.5°	6093.8	6145.5	6350.6	6588.8	6636.1	6531.4	6558.6	6617.4	6973.2	7802.4	6455.3
45°	6352.1	6413.7	6666.2	6963.2	7149.7	7085.1	7162.6	7191.3	7483.9	8465.1	7026.3
47.5°	6684.9	6756.6	7067.9	7438.0	7701.9	7760.8	7895.6	7878.4	8116.5	9249.8	7766.5
50°	7245.8	7285.9	7580.0	7957.3	8320.2	8585.6	8731.9	8759.2	8901.2	10013.0	8594.2
52.5°	7912.8	7948.7	8161.0	8490.9	8945.7	9508.0	9869.5	9780.6	9815.0	10942.5	9562.5
55°	8663.1	8723.3	8858.2	9077.7	9667.2	10495.0	11220.8	11242.3	10860.8	11831.9	10490.7
57.5°	9244.1	9345.9	9576.9	9889.6	10637.0	11592.4	12567.8	12582.2	12094.5	12781.6	11514.9
60°	8951.4	9071.9	9599.8	10361.6	11909.4	13507.5	14177.4	14095.6	13295.1	13863.2	12764.4
62.5°	7689.0	7710.6	8478.0	9668.7	12301.0	16069.5	16573.0	16227.3	14897.5	15234.6	14033.9
65°	4976.4	5116.9	5725.2	7393.5	11014.3	17491.1	20770.4	19971.4	17144.0	16791.1	15096.9
67.5°	3141.6	3105.7	3358.2	4221.8	7575.7	16238.8	24352.4	24226.2	20081.9	17773.7	14843.0
69°	2605.1	2645.3	2731.3	3236.3	5213.1	13864.7	24775.6	25647.8	21506.3	17696.3	13920.6
70°	2362.7	2381.3	2471.7	2869.0	4022.4	11612.5	24081.3	25609.1	22065.8	17372.1	13252.1
72.5°	1874.9	1873.5	2028.4	2387.0	3006.8	6628.9	19773.4	22233.7	21440.4	15862.9	10949.7
75°	1424.5	1447.4	1618.1	2019.8	2770.1	3622.2	13798.7	17122.5	17123.9	12529.1	6832.6
77.5°	1027.1	1041.5	1240.9	1695.6	2609.4	2936.5	9191.0	12280.9	11545.0	5741.0	2147.5
80°	672.8	681.4	833.5	1342.7	2352.6	2770.1	5449.7	7516.9	5445.4	1523.5	710.1
82.5°	368.7	411.7	509.3	869.3	1887.8	2559.2	3312.3	3804.4	2042.8	678.5	370.1
85°	185.1	196.5	286.9	507.8	1233.7	2117.4	2306.7	2181.9	1054.4	337.1	192.2
87.5°	54.5	68.9	119.1	196.5	500.6	1103.1	1283.9	1151.9	406.0	121.9	40.2
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°	7108.1	7108.1	7108.1	7108.1	7108.1	7108.1	7108.1	7108.1	7108.1	7108.1	7108.1
2.5°	7049.2	7023.4	6908.7	6805.4	6710.7	6610.3	6525.6	6451.0	6458.2	6459.7	6383.6
5°	6888.6	6829.8	6611.7	6408.0	6235.9	6017.8	5831.3	5710.8	5650.6	5570.2	5598.9
7.5°	6670.5	6557.2	6254.5	5916.0	5598.9	5316.3	5009.3	4798.5	4663.6	4533.1	4550.3
10°	6445.3	6263.1	5822.7	5375.2	4964.9	4513.0	4121.4	3785.7	3536.1	3442.9	3381.2
12.5°	6214.3	5974.8	5415.3	4820.0	4253.4	3712.5	3157.4	2797.3	2521.9	2375.6	2394.2
15°	6003.5	5712.3	4990.7	4264.8	3528.9	2884.8	2331.1	1988.2	1796.0	1755.9	1778.8
17.5°	5808.4	5426.8	4593.3	3725.5	2866.2	2163.3	1751.6	1557.9	1480.4	1458.9	1457.5
20°	5607.5	5184.4	4147.2	3148.8	2233.6	1677.0	1437.4	1347.0	1332.7	1341.3	1342.7
22.5°	5403.8	4884.5	3688.2	2576.4	1778.8	1371.4	1256.6	1232.3	1243.7	1263.8	1266.7
25°	5215.9	4620.6	3246.3	2074.3	1420.2	1205.0	1149.1	1149.1	1174.9	1205.0	1206.4
27.5°	5061.0	4365.2	2805.9	1646.8	1189.2	1084.5	1065.8	1075.9	1111.8	1134.7	1136.1
30°	4933.3	4127.1	2389.9	1319.8	1045.8	988.4	984.1	1001.3	1027.1	1048.6	1050.1
32.5°	4837.2	3917.7	2001.2	1108.9	946.8	915.2	913.8	926.7	941.0	946.8	952.5
35°	4799.9	3744.1	1645.4	975.5	880.8	860.7	860.7	859.3	865.0	867.9	870.8
37.5°	4830.0	3610.7	1370.0	889.4	832.0	817.7	809.1	800.5	797.6	797.6	799.0
40°	4957.7	3540.4	1164.8	833.5	797.6	776.1	760.3	750.3	740.2	743.1	746.0
42.5°	5228.8	3553.3	1025.7	796.2	767.5	737.3	714.4	702.9	695.7	704.4	702.9
45°	5660.6	3682.4	936.7	770.3	737.3	698.6	677.1	665.6	665.6	678.5	682.8
47.5°	6264.6	3929.2	889.4	750.3	714.4	668.5	647.0	638.4	641.2	662.7	664.2
50°	7001.9	4358.1	880.8	740.2	702.9	647.0	622.6	614.0	621.1	644.1	647.0
52.5°	7815.3	4910.4	922.4	741.6	692.9	634.1	602.5	589.6	596.8	615.4	621.1
55°	8779.3	5601.8	1030.0	747.4	678.5	626.9	588.2	559.5	568.1	581.0	582.4
57.5°	9763.4	6474.0	1219.3	748.8	667.1	614.0	563.8	526.5	526.5	535.1	539.4
60°	10965.5	7423.6	1469.0	750.3	668.5	595.3	530.8	489.2	483.4	487.7	489.2
62.5°	12159.0	8218.4	1510.6	746.0	682.8	576.7	494.9	451.9	441.8	440.4	437.5
65°	12685.5	8070.6	1238.0	725.9	698.6	565.2	466.2	416.0	398.8	393.1	393.1
67.5°	11827.6	6826.9	931.0	698.6	688.6	553.7	439.0	385.9	365.8	354.3	354.3
69°	11021.4	6072.3	836.3	680.0	662.7	535.1	421.7	370.1	345.7	332.8	328.5
70°	10398.8	5553.0	796.2	664.2	638.4	513.6	408.8	358.6	331.4	317.0	314.2
72.5°	8298.7	4356.6	697.2	603.9	543.7	431.8	362.9	322.8	296.9	281.2	276.9
75°	4782.7	2361.2	578.1	525.0	437.5	335.7	307.0	281.2	261.1	246.7	242.4
77.5°	1471.8	912.4	418.9	414.6	321.3	259.6	245.3	235.3	220.9	205.1	202.3
80°	619.7	464.8	284.0	279.7	213.7	180.7	176.4	175.0	169.3	156.4	152.1
82.5°	340.0	262.5	198.0	172.1	129.1	104.7	109.0	110.5	106.2	93.2	84.6
85°	166.4	143.5	96.1	77.5	58.8	37.3	35.9	43.0	40.2	28.7	31.6
87.5°	33.0	40.2	25.8	11.5	5.7	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)