

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: P323842

Luminaire Tested: **GAN-SA8B-740-U-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323842  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA8B-740-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37172 lumens  
Efficiency: N/A  
Efficacy: 111.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

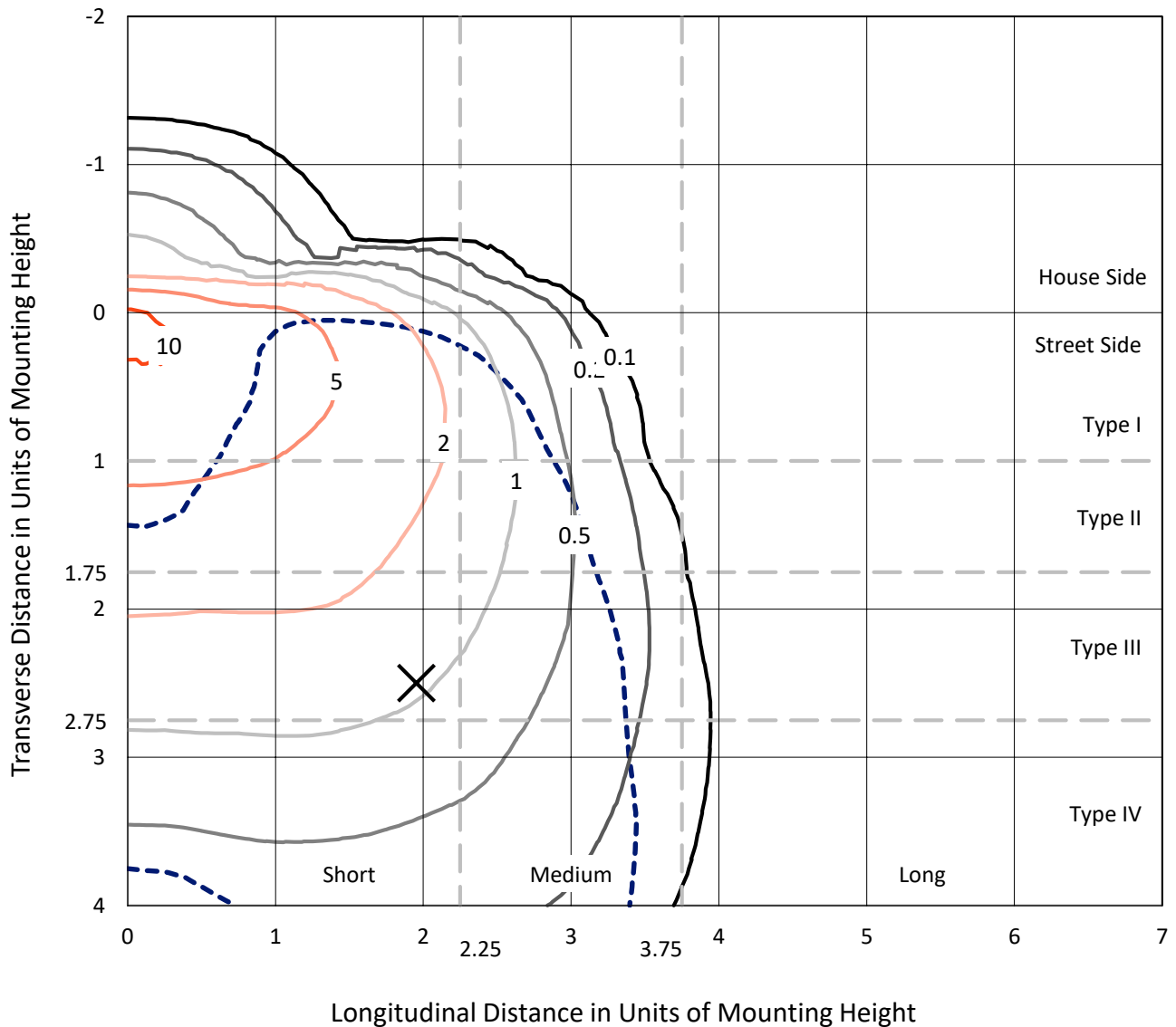
Input Watts (W): 334  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

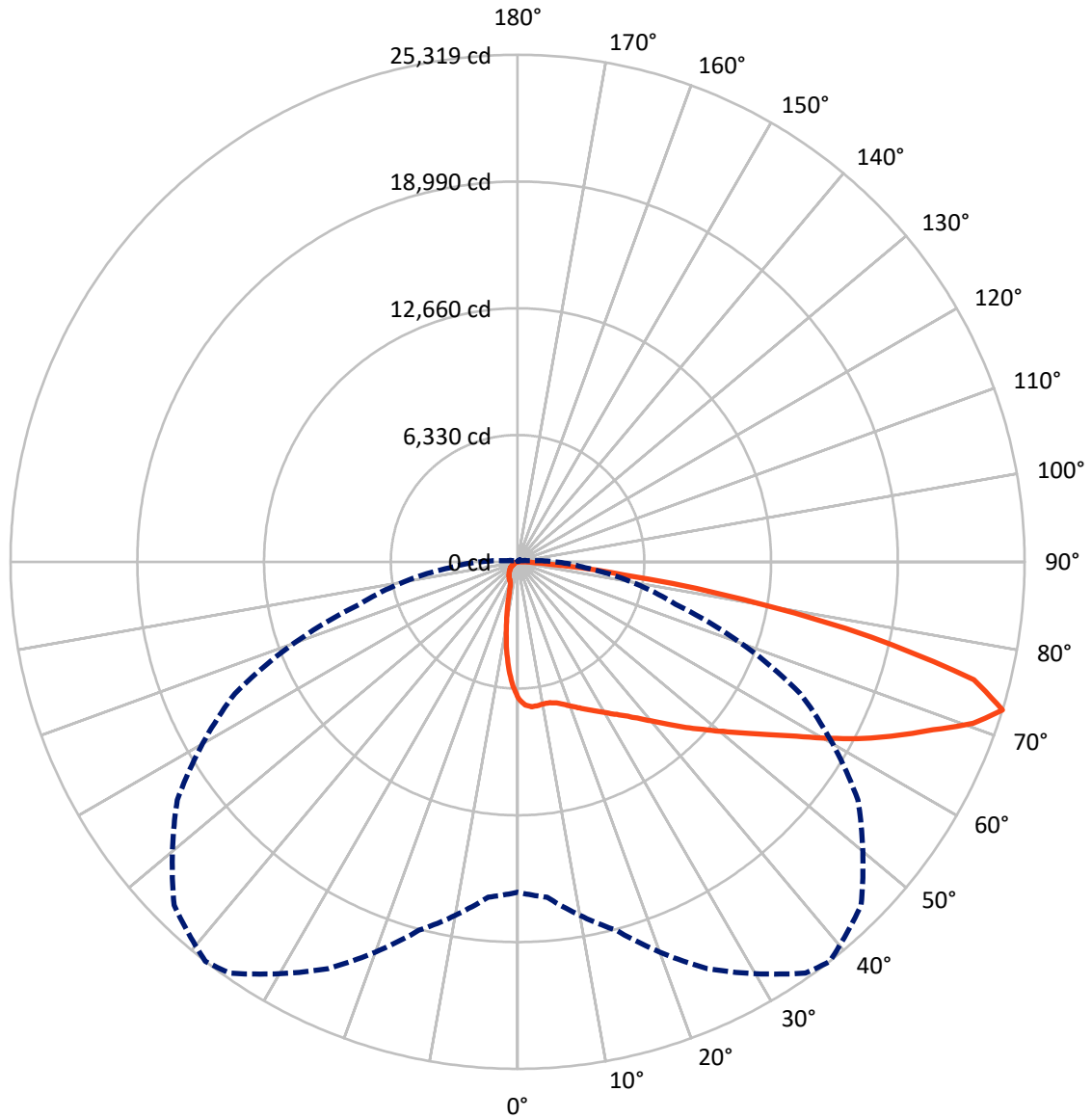
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3128.2	0.0	3128.2
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	34043.8	0.0	34043.8
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	37172.0	0.0	37172.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	582.5	1.6
10°-20°	1424.4	3.8
20°-30°	2265.6	6.1
30°-40°	3406.0	9.2
40°-50°	5196.1	14.0
50°-60°	7343.9	19.8
60°-70°	9211.7	24.8
70°-80°	6887.7	18.5
80°-90°	854.1	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°	37172.0	100.0
0°-180°	37172.0	100.0

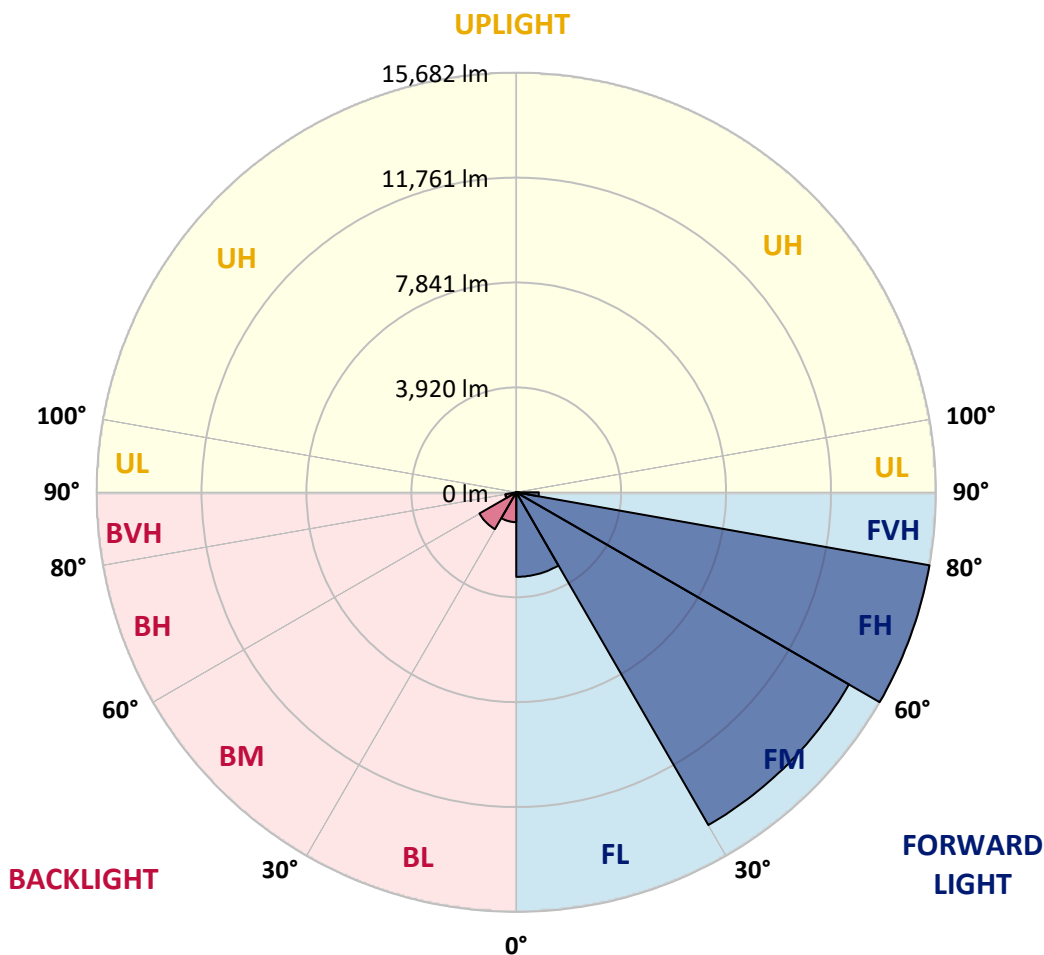


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3158.7	8.5			
FM (30°-60°)	14357.5	38.6			
FH (60°-80°)	15681.5	42.2			G5
FVH (80°-90°)	846.1	2.3			G5
BL (0°-30°)	1113.8	3.0	B3/2500		
BM (30°-60°)	1588.5	4.3	B2/2500		
BH (60°-80°)	417.9	1.1	B1/500		G1/500
BVH (80°-90°)	8.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	6835.8	6835.8	6835.8	6835.8	6835.8	6835.8	6835.8	6835.8	6835.8	6835.8	6835.8
2.5°	7255.7	7257.3	7240.3	7212.5	7177.0	7158.5	7127.6	7078.2	7025.7	6931.5	6829.6
5°	7403.9	7403.9	7382.3	7345.3	7288.1	7271.2	7212.5	7133.8	7025.7	6872.9	6701.5
7.5°	7388.5	7391.6	7362.2	7323.6	7266.5	7251.1	7180.1	7092.1	6957.8	6772.5	6553.3
10°	7308.2	7315.9	7292.8	7274.2	7221.8	7204.8	7138.4	7050.4	6916.1	6718.5	6466.8
12.5°	7226.4	7234.1	7241.8	7258.8	7226.4	7220.2	7167.7	7093.6	6965.5	6760.2	6476.1
15°	7173.9	7189.3	7244.9	7311.3	7319.0	7312.8	7278.9	7209.4	7079.7	6866.7	6542.5
17.5°	7173.9	7198.6	7314.4	7441.0	7485.7	7490.4	7461.0	7363.8	7209.4	6980.9	6604.2
20°	7234.1	7268.1	7448.7	7627.8	7701.9	7701.9	7644.7	7508.9	7328.3	7084.4	6645.9
22.5°	7388.5	7433.2	7660.2	7867.0	7945.8	7928.8	7851.6	7654.0	7451.8	7201.7	6698.4
25°	7692.6	7726.6	7962.8	8171.2	8219.0	8180.4	8083.2	7830.0	7609.2	7360.7	6794.1
27.5°	8084.7	8089.3	8333.3	8509.3	8479.9	8453.7	8331.7	8050.8	7836.2	7587.6	6959.3
30°	8515.4	8515.4	8730.0	8864.3	8774.8	8753.2	8631.2	8317.8	8126.4	7896.4	7194.0
32.5°	8932.2	8950.8	9125.2	9210.1	9109.8	9088.2	8969.3	8655.9	8512.3	8367.2	7559.8
35°	9335.2	9349.1	9514.2	9560.6	9464.8	9471.0	9386.1	9120.6	9066.6	9048.0	8111.0
37.5°	9725.7	9728.8	9897.1	9926.4	9878.6	9931.1	9938.8	9704.1	9804.5	9954.2	8887.5
40°	10082.4	10085.4	10252.2	10327.8	10409.6	10477.6	10537.8	10412.7	10744.6	11092.0	9812.2
42.5°	10368.0	10400.4	10611.9	10755.4	10971.6	11101.2	11264.9	11258.7	11863.9	12385.7	10929.9
45°	10619.6	10675.2	10970.0	11221.7	11592.2	11799.0	12055.3	12256.0	13123.6	13826.0	12061.5
47.5°	10951.5	11004.0	11340.5	11752.7	12246.7	12518.4	12943.0	13376.8	14508.3	15240.1	13166.8
50°	11419.3	11396.1	11728.0	12319.3	12953.8	13310.4	13915.5	14565.5	15882.3	16472.0	13816.7
52.5°	11917.9	11908.6	12154.1	12935.2	13787.4	14204.2	15003.9	15794.3	17196.0	17321.1	14114.7
55°	12535.4	12469.0	12675.9	13637.7	14777.0	15224.6	16166.3	17010.8	18242.7	17799.7	14264.4
57.5°	13182.2	13072.6	13270.2	14420.3	15893.1	16422.6	17453.9	18196.4	18939.0	18126.9	14262.9
60°	13850.7	13721.0	13955.7	15399.1	17279.4	17892.3	18849.4	18997.6	19588.9	18292.1	14157.9
62.5°	14409.5	14332.3	14681.2	16445.8	18827.8	19429.9	19903.8	19726.3	20136.9	18420.2	13912.4
65°	15000.8	15005.4	15568.9	17666.9	20473.5	20879.5	20919.6	20671.1	20595.4	18394.0	13081.9
67.5°	15800.5	15874.6	16814.7	19324.9	22074.4	22387.7	22384.6	21694.6	20930.4	17350.4	11240.2
70°	16646.5	16820.9	18250.4	21222.2	23821.9	24139.9	23976.3	22346.1	19707.8	14029.8	7955.0
72.5°	16504.4	16807.0	19048.6	22418.6	25077.0	25319.4	24255.7	20745.2	15576.6	8154.2	3387.0
75°	12733.0	13083.4	17466.2	21233.0	23760.1	23542.5	20840.9	16143.2	8512.3	2275.5	762.6
77.5°	6726.2	6913.0	11538.1	16175.6	18526.8	18071.4	14681.2	8955.4	2595.1	563.5	342.7
80°	3522.9	3566.1	5028.1	9177.7	11434.7	11437.8	8700.7	3933.5	1069.8	288.7	230.0
82.5°	1886.5	1923.5	2656.8	4240.7	5991.4	5431.0	3331.5	2164.4	622.1	163.6	220.8
85°	453.9	461.6	1506.7	1937.4	2355.8	1682.7	989.6	1817.0	168.3	95.7	179.1
87.5°	174.4	177.5	558.8	838.3	600.5	389.0	463.1	677.7	21.6	37.1	27.8
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°	6835.8	6835.8	6835.8	6835.8	6835.8	6835.8	6835.8	6835.8	6835.8	6835.8	6835.8
2.5°	6767.9	6727.7	6628.9	6503.9	6392.7	6312.5	6192.1	6113.3	6060.8	6059.3	6039.2
5°	6596.5	6514.7	6301.7	6048.5	5818.5	5611.6	5367.7	5174.7	5031.1	5008.0	4958.6
7.5°	6412.8	6278.5	5951.2	5556.0	5170.1	4778.0	4322.6	4040.0	3797.7	3681.9	3669.5
10°	6300.1	6111.8	5647.1	5075.9	4470.8	3833.2	3237.3	2825.1	2527.1	2442.2	2378.9
12.5°	6277.0	6028.4	5412.5	4625.1	3760.6	2917.7	2258.5	1820.1	1582.4	1506.7	1486.6
15°	6300.1	5989.8	5214.9	4179.0	3041.2	2070.2	1516.0	1261.3	1171.7	1150.1	1148.6
17.5°	6314.0	5943.5	4991.0	3683.4	2343.4	1478.9	1160.9	1086.8	1072.9	1071.4	1074.5
20°	6312.5	5872.5	4723.9	3130.8	1742.9	1162.5	1049.8	1034.3	1031.2	1032.8	1031.2
22.5°	6301.7	5789.1	4430.6	2561.1	1316.8	1039.0	1001.9	992.6	991.1	991.1	991.1
25°	6321.7	5722.8	4108.0	2016.2	1085.3	981.8	958.7	951.0	949.4	949.4	946.3
27.5°	6394.3	5685.7	3754.4	1551.5	980.3	930.9	912.4	910.8	906.2	904.6	907.7
30°	6511.6	5685.7	3367.0	1207.2	917.0	878.4	864.5	861.4	859.9	858.3	859.9
32.5°	6718.5	5728.9	2944.0	1003.4	856.8	819.7	810.5	815.1	810.5	810.5	810.5
35°	7092.1	5858.6	2500.9	875.3	793.5	762.6	753.4	759.5	756.4	756.4	754.9
37.5°	7637.0	6099.4	2054.8	798.1	737.9	705.5	693.2	702.4	699.3	699.3	697.8
40°	8300.8	6449.9	1630.2	739.5	683.9	649.9	639.1	643.8	636.0	636.0	639.1
42.5°	9120.6	6894.5	1259.7	682.3	629.9	597.4	591.3	586.6	572.7	565.0	566.6
45°	10031.4	7357.6	981.8	626.8	578.9	552.7	543.4	531.1	507.9	492.5	494.0
47.5°	10845.0	7714.2	798.1	572.7	532.6	512.5	498.6	475.5	441.5	423.0	424.5
50°	11272.6	7768.2	679.3	518.7	489.4	469.3	449.2	413.7	373.6	353.5	352.0
52.5°	11382.2	7515.1	591.3	469.3	446.1	423.0	396.7	348.9	304.1	282.5	279.4
55°	11422.3	7129.1	512.5	423.0	399.8	373.6	339.6	285.6	243.9	222.3	220.8
57.5°	11289.6	6553.3	450.8	381.3	353.5	321.1	279.4	228.5	188.3	171.4	171.4
60°	10994.7	5773.7	402.9	336.5	305.7	268.6	225.4	177.5	140.5	126.6	126.6
62.5°	10406.5	4764.1	358.2	290.2	260.9	222.3	182.2	134.3	98.8	91.1	92.6
65°	9296.6	3614.0	313.4	248.5	222.3	183.7	142.0	95.7	66.4	66.4	69.5
67.5°	7581.4	2510.2	267.1	211.5	191.4	149.7	108.1	66.4	46.3	52.5	58.7
70°	5018.8	1407.9	228.5	174.4	163.6	118.9	80.3	44.8	37.1	49.4	60.2
72.5°	1894.2	548.0	191.4	140.5	142.0	91.1	57.1	34.0	34.0	54.0	71.0
75°	528.0	268.6	137.4	103.4	111.2	66.4	41.7	29.3	32.4	61.8	83.4
77.5°	310.3	197.6	89.5	60.2	75.6	46.3	27.8	23.2	27.8	52.5	80.3
80°	250.1	105.0	52.5	30.9	41.7	26.2	18.5	13.9	7.7	20.1	41.7
82.5°	250.1	63.3	24.7	21.6	21.6	13.9	9.3	6.2	1.5	0.0	10.8
85°	168.3	26.2	15.4	13.9	10.8	4.6	3.1	1.5	0.0	0.0	0.0
87.5°	27.8	10.8	6.2	3.1	1.5	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)