

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: P323180

Luminaire Tested: **GAN-SA6D-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35004 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

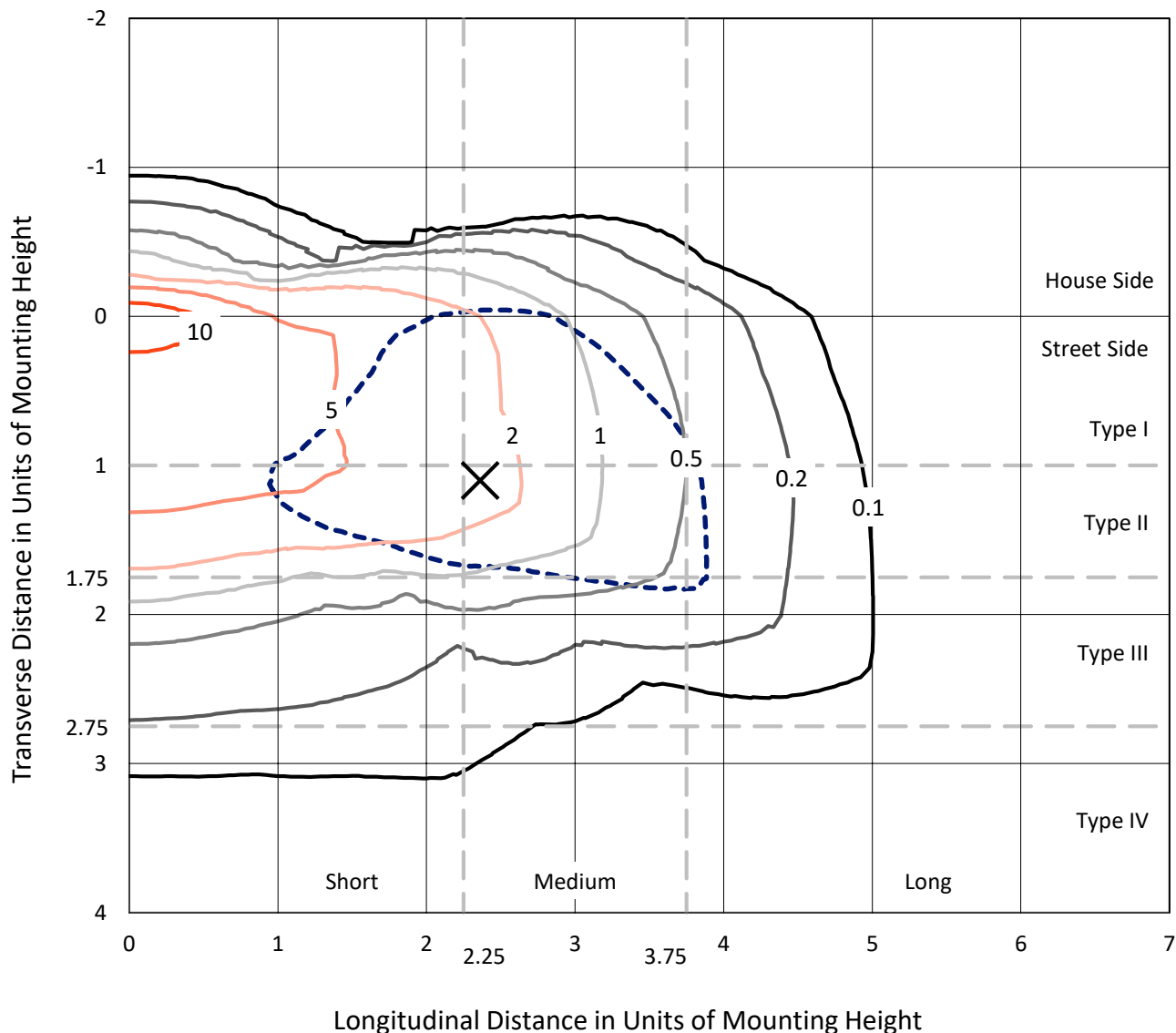
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

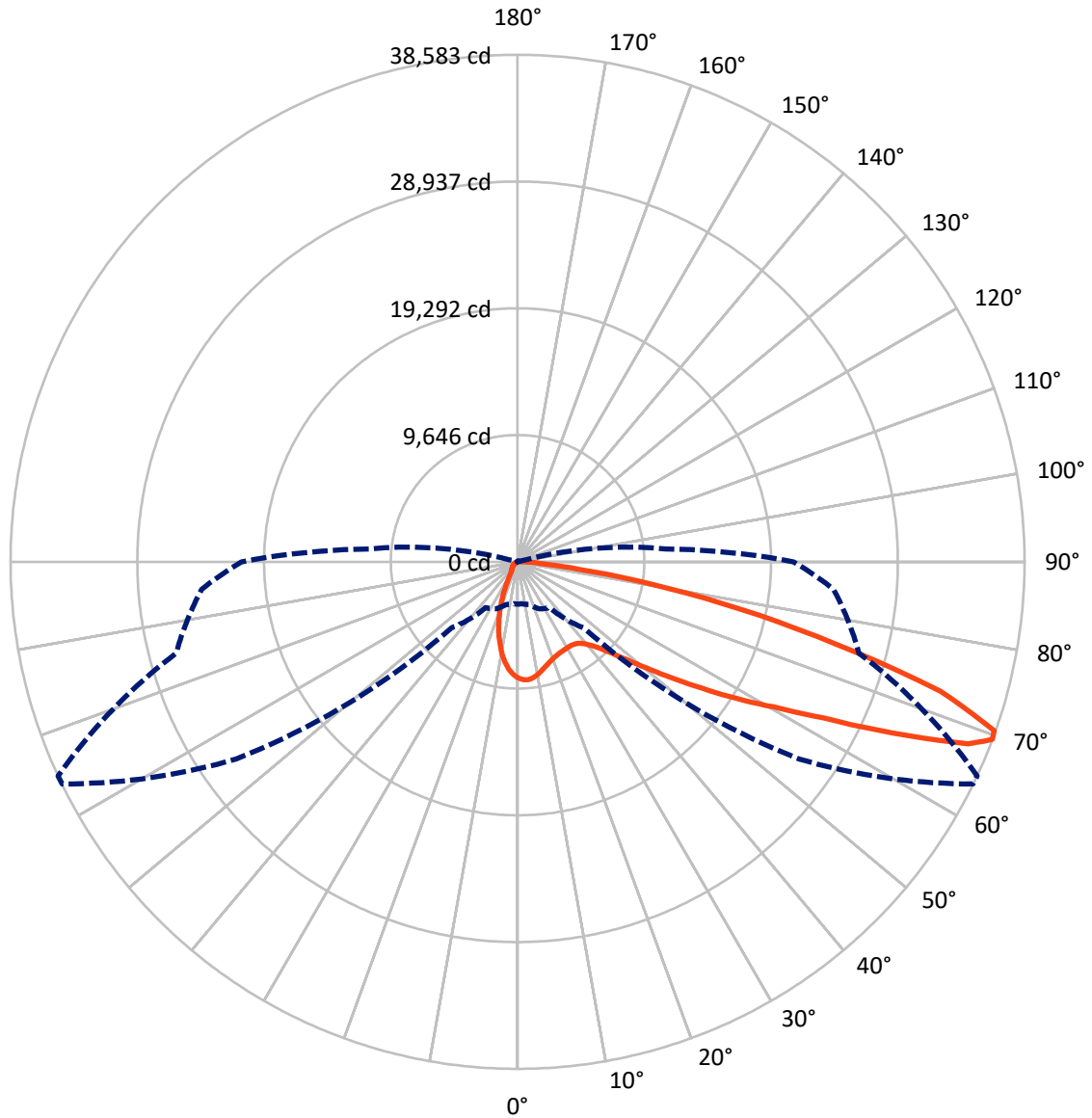
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4126.1	0.0	4126.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	30877.9	0.0	30877.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	35004.0	0.0	35004.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.7	2.1
10°-20°	1619.2	4.6
20°-30°	2242.6	6.4
30°-40°	3126.9	8.9
40°-50°	4860.3	13.9
50°-60°	7802.6	22.3
60°-70°	8826.1	25.2
70°-80°	5183.6	14.8
80°-90°	603.0	1.7
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°	35004.0	100.0
0°-180°	35004.0	100.0

Coefficient of Utilization

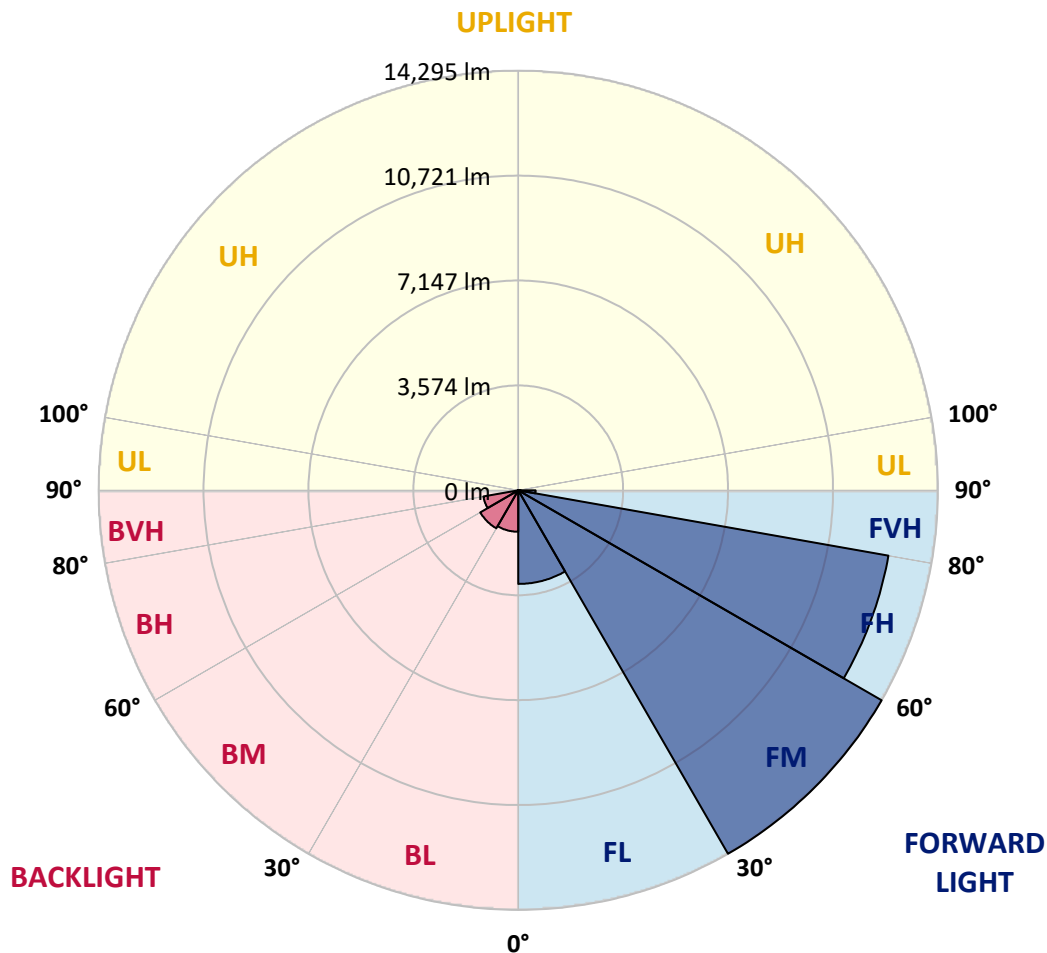


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3189.7	9.1			
FM (30°-60°)	14294.6	40.8			
FH (60°-80°)	12804.1	36.6			G5
FVH (80°-90°)	589.4	1.7			G4/750
BL (0°-30°)	1411.8	4.0	B3/2500		
BM (30°-60°)	1495.2	4.3	B2/2500		
BH (60°-80°)	1205.6	3.4	B3/2500		G3/2500
BVH (80°-90°)	13.6	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-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	8845.6	8845.6	8845.6	8845.6	8845.6	8845.6	8845.6	8845.6	8845.6	8845.6	8845.6
2.5°	8924.1	8901.9	8919.6	8958.1	8977.4	8977.4	8992.2	8974.4	8980.4	8937.4	8875.2
5°	8365.7	8331.6	8380.5	8488.6	8621.9	8736.0	8904.8	8993.7	9002.6	9004.1	8931.5
7.5°	7764.3	7733.2	7805.8	7933.2	8105.0	8316.8	8611.5	8869.3	8884.1	9023.3	8970.0
10°	7275.5	7253.3	7337.7	7474.0	7675.4	7912.4	8273.8	8632.3	8675.2	8983.3	8964.1
12.5°	6887.5	6869.7	6949.7	7106.7	7312.6	7574.7	7952.4	8368.6	8426.4	8893.0	8934.4
15°	6604.6	6601.6	6668.2	6819.3	7047.4	7291.8	7678.4	8124.2	8190.9	8795.2	8930.0
17.5°	6456.4	6460.9	6509.8	6638.6	6834.1	7077.1	7447.3	7918.4	7990.9	8707.8	8952.2
20°	6441.6	6446.1	6472.7	6545.3	6703.8	6918.6	7259.2	7745.1	7820.6	8642.7	8987.8
22.5°	6572.0	6569.0	6576.4	6569.0	6657.9	6820.8	7134.8	7611.8	7699.1	8599.7	9015.9
25°	6822.3	6817.8	6814.9	6760.1	6700.8	6788.2	7083.0	7536.2	7619.2	8568.6	9032.2
27.5°	7170.4	7167.4	7163.0	7072.6	6894.9	6840.1	7088.9	7508.1	7577.7	8543.4	9029.2
30°	7628.0	7648.8	7642.9	7517.0	7240.0	6998.5	7151.1	7493.3	7554.0	8494.5	8998.1
32.5°	8165.7	8207.2	8239.8	8105.0	7758.4	7312.6	7294.8	7509.6	7554.0	8457.5	8941.8
35°	8724.1	8777.4	8897.4	8850.0	8393.8	7785.1	7542.1	7607.3	7644.3	8478.2	8915.2
37.5°	9273.6	9337.3	9598.0	9735.8	9226.2	8410.1	7927.2	7848.7	7868.0	8604.1	8944.8
40°	9912.0	10008.3	10403.8	10625.9	10220.1	9247.0	8503.4	8263.5	8270.9	8881.1	9082.6
42.5°	10750.4	10849.6	11277.7	11625.7	11339.9	10304.5	9285.5	8897.4	8890.0	9399.5	9406.9
45°	11772.4	11876.1	12318.9	12705.5	12576.6	11557.6	10286.8	9823.1	9814.3	10217.1	10021.6
47.5°	12930.7	13032.9	13428.3	13826.8	13966.0	13021.0	11562.0	11086.6	11065.9	11353.2	10971.1
50°	13924.5	13991.2	14355.5	14891.7	15519.7	14819.1	13148.4	12690.7	12668.5	12862.5	12364.8
52.5°	14285.9	14324.4	14694.7	15445.7	17012.8	17254.2	15232.4	14642.9	14626.6	14711.0	14220.8
55°	13554.2	13623.8	14078.6	15192.4	17821.5	20006.2	17863.0	17060.2	16937.2	16755.0	16161.1
57.5°	11560.6	11671.7	12160.4	13641.6	17443.8	22189.5	21728.8	19794.4	19613.7	18499.9	17738.5
60°	8661.9	8798.2	9204.0	10802.2	15427.9	22967.1	25953.1	22841.2	22433.9	19889.2	19188.6
62.5°	5944.0	6012.1	6287.6	7328.8	11362.1	21693.3	29487.2	26921.8	26178.3	21400.0	20757.2
65°	4539.8	4563.5	4676.1	5034.5	6766.0	17621.5	30892.8	32305.9	31406.8	23207.0	22385.0
67.5°	3658.5	3639.2	3794.8	4307.3	4530.9	10750.4	29253.2	37399.6	36979.0	25622.8	24023.2
69°	3226.0	3199.3	3357.8	3953.3	4255.4	7106.7	26151.6	38556.4	38583.1	26898.1	24135.7
70°	2903.1	2920.9	3077.9	3742.9	4162.1	5578.1	23189.3	38261.7	38472.0	27375.1	23460.3
72.5°	1938.9	1986.3	2301.7	3107.5	4002.1	4221.3	14001.5	32833.2	33641.9	26301.2	20127.7
75°	1093.1	1128.7	1503.4	2343.2	3771.1	4019.9	7395.5	24189.1	24971.1	21994.0	15521.2
77.5°	536.2	555.4	850.2	1512.3	3153.4	3830.3	4194.7	16430.7	17323.8	14355.5	8778.9
80°	226.6	237.0	425.1	933.1	2254.3	3655.5	3114.9	10112.0	10223.1	5624.0	2338.8
82.5°	87.4	90.4	179.2	582.1	1432.3	2849.8	2605.4	4794.6	4679.0	1059.0	533.2
85°	10.4	11.8	65.2	349.6	796.9	1466.4	2116.6	2066.2	1912.2	210.3	274.0
87.5°	0.0	0.0	4.4	106.6	237.0	687.3	1100.5	857.6	773.2	68.1	142.2
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°	8845.6	8845.6	8845.6	8845.6	8845.6	8845.6	8845.6	8845.6	8845.6	8845.6	8845.6
2.5°	8823.4	8808.5	8728.6	8613.0	8503.4	8367.2	8236.8	8158.3	8096.1	8054.6	8103.5
5°	8847.1	8781.9	8539.0	8227.9	7922.8	7579.2	7259.2	6988.2	6881.5	6763.0	6816.4
7.5°	8839.6	8716.7	8279.8	7725.8	7165.9	6586.8	6038.7	5616.6	5397.4	5182.6	5237.4
10°	8802.6	8595.3	7933.2	7112.6	6274.3	5441.8	4664.2	4073.2	3742.9	3443.7	3486.7
12.5°	8721.2	8432.3	7524.4	6410.5	5289.3	4191.7	3280.8	2523.9	2118.1	1938.9	1961.1
15°	8672.3	8273.8	7091.9	5699.6	4237.6	2919.4	2005.5	1491.5	1306.4	1247.1	1254.6
17.5°	8648.6	8121.3	6644.5	4886.4	3162.3	1858.9	1296.0	1143.5	1103.5	1093.1	1096.1
20°	8624.9	7967.2	6183.9	4082.1	2178.8	1250.1	1065.0	1020.5	1005.7	992.4	995.3
22.5°	8584.9	7819.1	5689.2	3267.5	1469.3	1014.6	959.8	916.8	885.7	869.4	872.4
25°	8536.0	7663.6	5184.1	2433.6	1072.4	905.0	853.2	792.4	755.4	725.8	727.3
27.5°	8457.5	7472.5	4662.7	1771.5	900.6	810.2	740.6	673.9	611.7	577.7	577.7
30°	8347.9	7256.3	4083.6	1267.9	807.2	716.9	632.5	549.5	482.9	451.8	448.8
32.5°	8226.4	7031.1	3498.5	961.3	733.2	629.5	533.2	445.8	386.6	361.4	359.9
35°	8122.8	6788.2	2915.0	805.8	659.1	545.1	439.9	365.9	318.5	297.7	296.2
37.5°	8056.1	6545.3	2346.2	719.9	592.5	466.6	368.8	302.2	268.1	251.8	250.3
40°	8045.7	6364.6	1826.3	654.7	530.3	397.0	308.1	256.2	225.1	207.4	205.9
42.5°	8180.5	6260.9	1401.2	599.9	466.6	336.2	262.2	219.2	186.6	168.9	167.4
45°	8534.5	6293.5	1078.3	551.0	402.9	284.4	222.2	182.2	152.6	139.2	136.3
47.5°	9180.3	6518.6	857.6	502.1	342.2	241.4	189.6	151.1	125.9	112.6	111.1
50°	10329.7	7047.4	716.9	448.8	285.9	205.9	157.0	122.9	102.2	90.4	88.9
52.5°	11855.3	7989.5	639.9	397.0	237.0	174.8	128.9	97.8	80.0	71.1	69.6
55°	13537.9	9130.0	589.5	340.7	194.0	145.2	102.2	77.0	62.2	54.8	51.8
57.5°	15180.6	10117.9	542.1	285.9	161.4	118.5	81.5	60.7	48.9	41.5	40.0
60°	16689.9	11025.9	487.3	229.6	131.8	93.3	63.7	47.4	38.5	31.1	31.1
62.5°	18305.8	11727.9	411.8	179.2	108.1	71.1	51.8	43.0	31.1	26.7	25.2
65°	20018.1	12249.3	322.9	139.2	84.4	53.3	43.0	44.4	25.2	19.3	17.8
67.5°	21283.0	12145.6	238.5	109.6	65.2	41.5	41.5	47.4	22.2	14.8	13.3
69°	21004.5	11302.8	200.0	94.8	56.3	35.5	38.5	47.4	20.7	13.3	11.8
70°	20197.3	10369.7	176.3	84.4	50.4	32.6	37.0	45.9	19.3	13.3	11.8
72.5°	16820.2	7810.2	137.7	63.7	40.0	26.7	31.1	40.0	19.3	13.3	10.4
75°	12652.2	4999.0	105.2	45.9	29.6	20.7	23.7	29.6	19.3	11.8	10.4
77.5°	6884.5	1802.6	75.5	31.1	20.7	16.3	16.3	22.2	17.8	8.9	5.9
80°	1770.0	453.2	47.4	20.7	16.3	11.8	10.4	14.8	10.4	1.5	0.0
82.5°	436.9	102.2	25.2	14.8	11.8	4.4	4.4	7.4	4.4	0.0	0.0
85°	240.0	50.4	16.3	10.4	5.9	0.0	0.0	1.5	0.0	0.0	0.0
87.5°	122.9	14.8	4.4	3.0	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)