

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: P324720

Luminaire Tested: **GAN-SA6B-727-U-AFL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-727-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23400 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

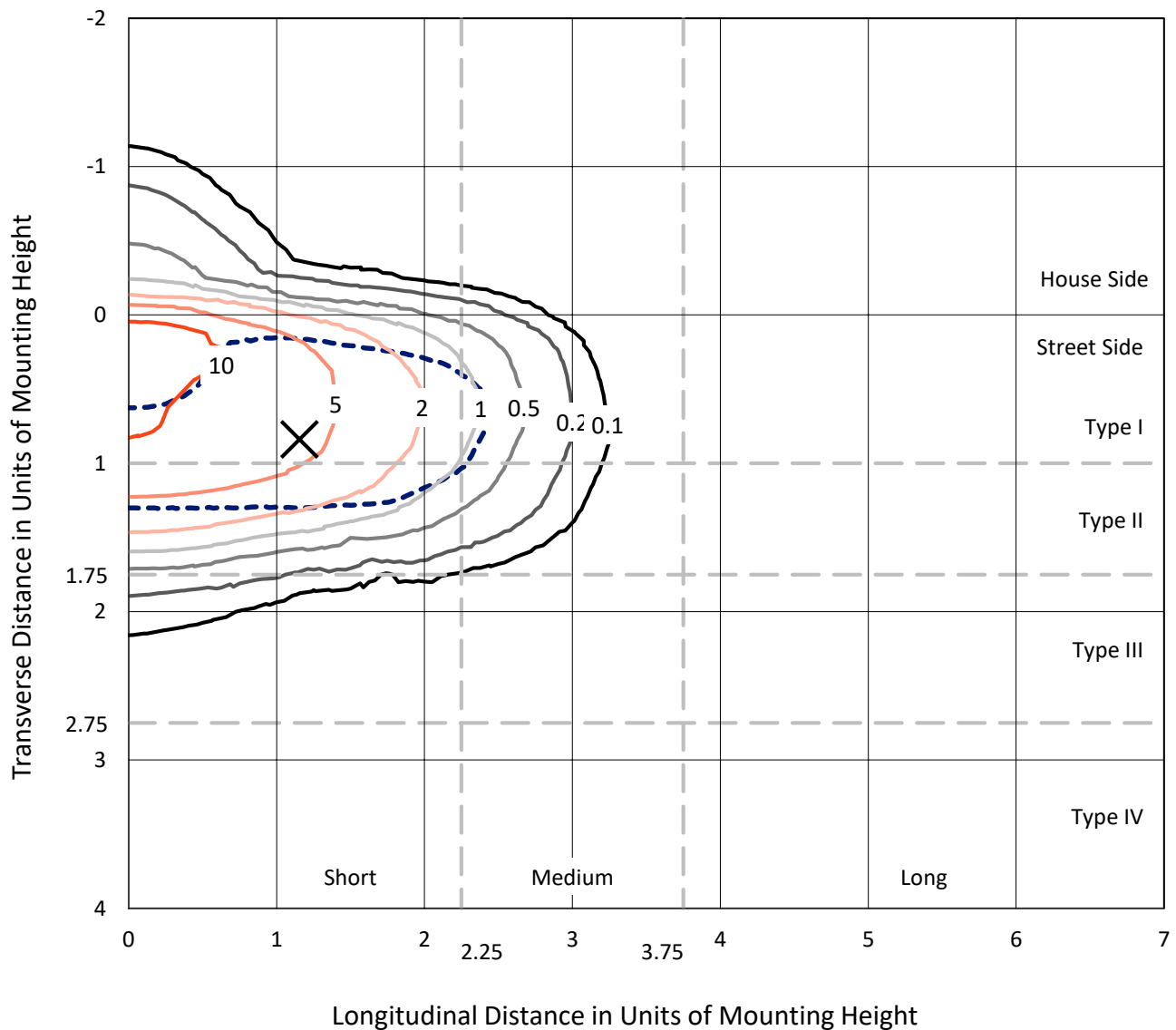
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324720
 CATALOG NUMBER: GAN-SA6B-727-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

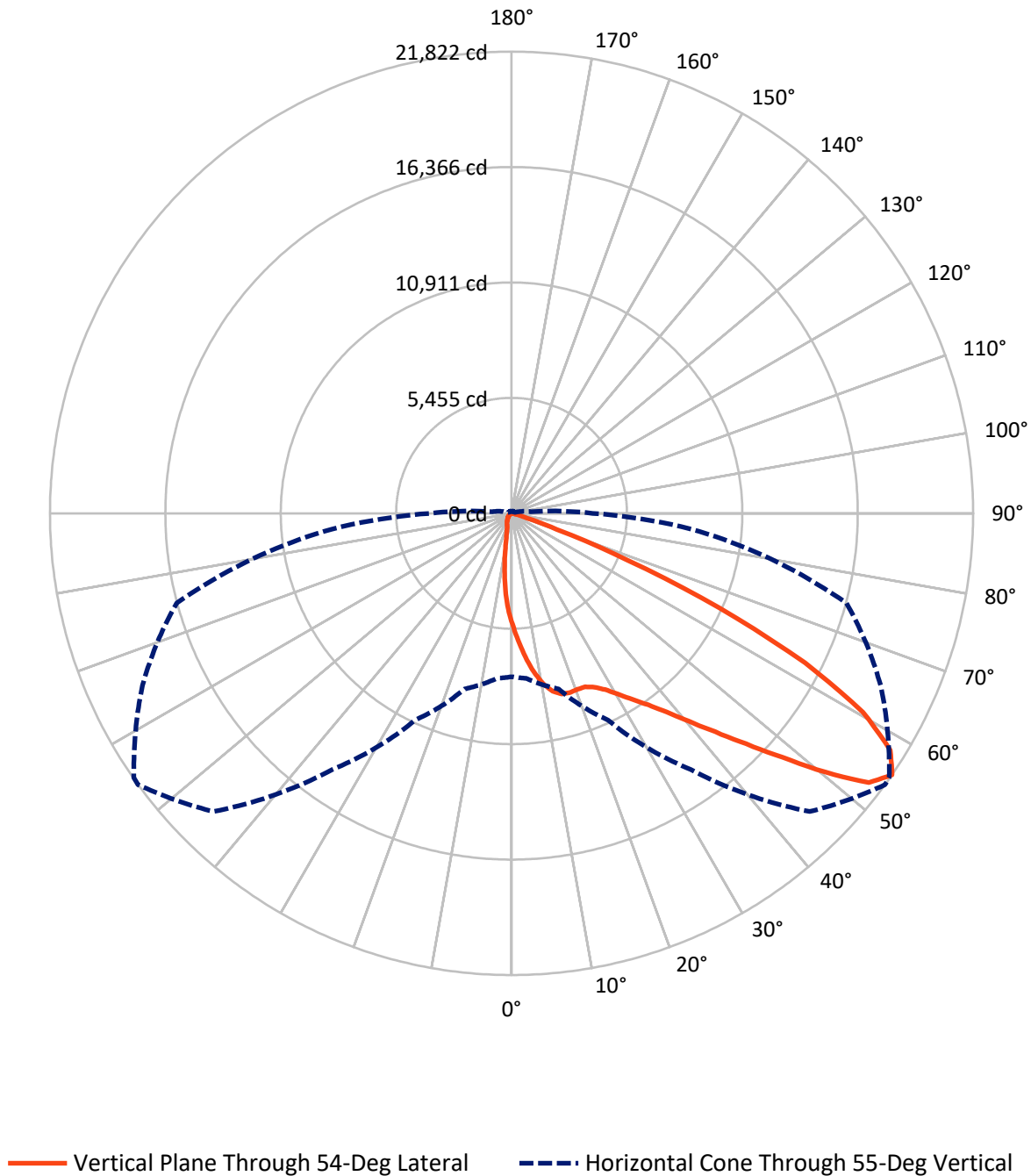
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 fc
 Type II - Short - N/A

REPORT NUMBER: P324720
CATALOG NUMBER: GAN-SA6B-727-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324720

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1167.5	0.0	1167.5
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	22232.5	0.0	22232.5
	% Fixture	95.0	0.0	95.0
Total	Lumens	23400.0	0.0	23400.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.6	2.1
10°-20°	1323.6	5.7
20°-30°	2259.8	9.7
30°-40°	3626.5	15.5
40°-50°	5795.2	24.8
50°-60°	6209.7	26.5
60°-70°	3188.3	13.6
70°-80°	482.9	2.1
80°-90°	31.4	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°	23400.0	100.0
0°-180°	23400.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324720

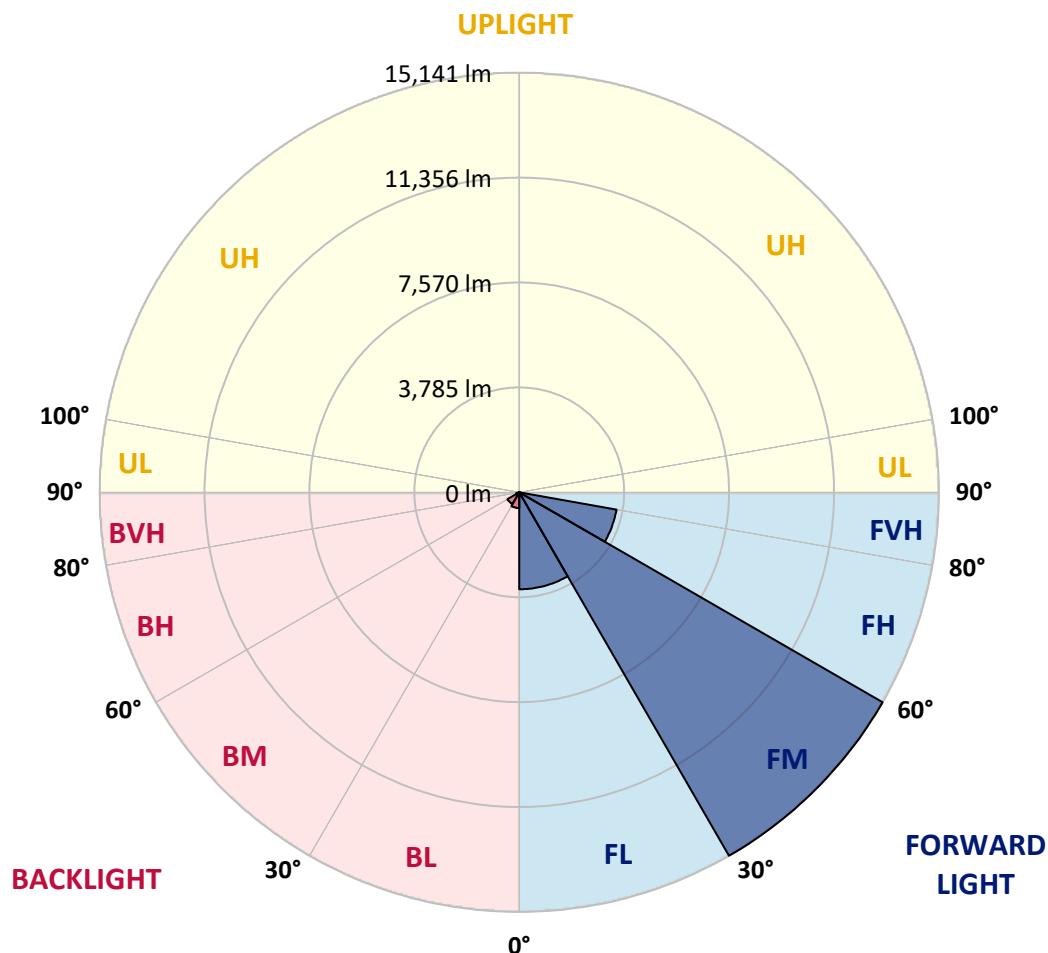
CATALOG NUMBER: GAN-SA6B-727-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3497.9	14.9			
FM	(30°-60°)	15140.8	64.7			
FH	(60°-80°)	3563.6	15.2			G2/5000
FVH	(80°-90°)	30.2	0.1			G1/100
BL	(0°-30°)	568.0	2.4	B2/1000		
BM	(30°-60°)	490.6	2.1	B1/1000		
BH	(60°-80°)	107.6	0.5	B0/110		G0/110
BVH	(80°-90°)	1.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P324720

CATALOG NUMBER: GAN-SA6B-727-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5240.7	5240.7	5240.7	5240.7	5240.7	5240.7	5240.7	5240.7	5240.7	5240.7	5240.7
2.5°	6576.6	6478.6	6481.6	6437.1	6274.4	6147.1	6014.7	5983.4	5777.3	5561.0	5352.8
5°	7713.5	7641.7	7624.5	7538.6	7312.3	7072.8	6816.1	6756.5	6353.3	5910.6	5475.1
7.5°	8297.5	8298.6	8284.4	8253.1	8111.6	7879.2	7565.9	7503.3	6954.5	6290.6	5602.4
10°	8127.8	8166.2	8245.0	8349.1	8457.2	8427.9	8192.4	8135.9	7539.6	6692.8	5743.9
12.5°	7731.6	7736.7	7824.6	7995.4	8306.6	8626.0	8630.0	8610.8	8098.5	7113.2	5899.5
15°	7534.6	7553.8	7586.1	7696.3	7991.4	8502.7	8868.5	8895.8	8610.8	7559.9	6065.3
17.5°	7663.9	7691.2	7663.9	7677.1	7847.9	8307.6	8909.9	8979.7	9058.5	8001.5	6221.9
20°	8014.6	8039.9	7991.4	7937.8	7971.1	8251.1	8880.6	8974.6	9409.1	8393.5	6353.3
22.5°	8487.5	8497.6	8423.9	8335.9	8311.7	8443.1	8904.9	9001.9	9690.1	8748.2	6436.1
25°	9008.0	9017.0	8925.1	8824.0	8766.4	8820.0	9104.0	9176.7	9937.7	9086.8	6483.6
27.5°	9574.9	9583.0	9467.8	9343.5	9276.8	9278.8	9432.4	9510.2	10201.4	9472.8	6522.0
30°	10174.1	10170.1	10064.0	9891.2	9806.3	9804.3	9905.3	9984.1	10583.4	9968.0	6574.6
32.5°	10847.1	10839.1	10688.5	10474.2	10378.2	10392.4	10482.3	10527.8	11057.3	10495.5	6668.6
35°	11733.4	11710.1	11482.8	11217.0	11040.2	11035.1	11110.9	11147.3	11661.6	11134.1	6825.2
37.5°	12883.4	12862.2	12553.9	12167.9	11919.3	11826.4	11916.3	11962.8	12523.6	11953.7	7076.8
40°	14017.2	13996.0	13813.1	13459.4	13076.4	12853.1	12923.8	12973.3	13599.8	12948.1	7394.1
42.5°	14799.4	14817.5	14881.2	14910.5	14551.8	14082.9	14115.2	14166.8	14730.6	14011.1	7756.9
45°	15005.5	15044.9	15404.7	16111.0	16245.4	15879.6	15541.1	15569.4	15879.6	15074.2	8119.7
47.5°	14386.0	14458.8	15153.0	16466.8	17604.6	17863.3	17222.6	17185.2	16982.1	15934.2	8377.4
50°	12978.4	13045.1	13944.4	15887.7	18016.9	19757.1	19237.7	19127.5	17949.2	16448.6	8468.3
52.5°	10941.1	11022.0	11752.6	14064.7	17239.8	20601.9	21145.6	21053.6	18658.6	16489.0	8483.5
55°	7726.6	7824.6	8597.7	10779.4	14777.1	19929.9	21821.6	21794.3	19247.8	16381.9	8515.8
57.5°	4342.3	4413.0	5246.7	6910.1	10822.9	17359.1	21115.2	21296.1	19603.5	16195.9	8564.3
60°	1928.1	1947.3	2378.8	3439.9	6336.1	13266.4	19093.1	19398.3	19298.3	15947.3	8646.2
62.5°	1069.2	1053.0	1053.0	1429.9	2753.7	8212.7	15569.4	16073.7	17995.7	15653.3	8650.2
65°	837.7	822.6	779.1	785.2	1048.9	3645.0	10781.5	11677.8	15521.9	14791.3	8359.2
67.5°	710.4	697.3	653.8	636.6	651.8	1202.5	5923.8	6854.5	11777.8	12550.9	7240.5
70°	600.3	591.2	568.9	547.7	509.3	594.2	2266.6	2899.2	7257.7	8349.1	4942.6
72.5°	483.0	479.0	487.1	468.9	422.4	396.1	775.1	938.8	3260.0	3725.9	2036.2
75°	416.3	414.3	418.4	400.2	347.6	275.9	394.1	430.5	919.6	911.5	412.3
77.5°	270.8	273.9	346.6	338.5	299.1	183.9	204.1	220.3	278.9	209.2	125.3
80°	172.8	170.8	175.8	280.9	268.8	140.5	102.1	107.1	134.4	103.1	60.6
82.5°	105.1	103.1	115.2	131.4	135.4	98.0	62.7	63.7	83.9	66.7	32.3
85°	9.1	12.1	69.7	64.7	46.5	30.3	30.3	32.3	44.5	39.4	18.2
87.5°	0.0	0.0	12.1	18.2	10.1	11.1	11.1	12.1	17.2	17.2	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P324720

CATALOG NUMBER: GAN-SA6B-727-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5240.7	5240.7	5240.7	5240.7	5240.7	5240.7	5240.7	5240.7	5240.7	5240.7	5240.7
2.5°	5244.7	5139.6	4927.4	4723.3	4550.5	4383.7	4193.7	4005.8	3917.9	3882.5	3846.1
5°	5253.8	5037.5	4600.0	4159.4	3702.6	3291.3	2940.7	2580.9	2401.0	2322.2	2285.8
7.5°	5265.9	4936.5	4229.1	3489.4	2753.7	2195.9	1708.8	1395.6	1260.1	1238.9	1186.4
10°	5267.9	4814.2	3798.6	2749.7	1846.3	1323.8	1018.6	856.9	797.3	787.2	770.0
12.5°	5272.0	4669.7	3320.6	2036.2	1230.8	885.2	736.7	683.1	667.0	665.9	665.9
15°	5284.1	4518.1	2824.5	1467.3	884.2	701.3	646.7	625.5	619.5	622.5	621.5
17.5°	5284.1	4339.3	2337.4	1093.4	714.5	630.6	600.3	586.1	584.1	587.1	588.1
20°	5245.7	4122.0	1890.7	850.9	633.6	585.1	557.8	544.7	539.6	541.6	542.7
22.5°	5153.8	3855.2	1526.9	704.3	580.1	543.7	514.4	494.2	486.1	487.1	487.1
25°	5010.3	3538.9	1194.5	609.4	536.6	499.2	464.8	441.6	436.6	435.5	437.6
27.5°	4826.3	3189.3	950.9	536.6	485.1	449.7	415.3	396.1	392.1	393.1	394.1
30°	4645.5	2826.5	749.8	475.0	427.5	394.1	367.8	358.7	358.7	361.8	362.8
32.5°	4479.7	2477.8	593.2	421.4	375.9	345.6	330.4	329.4	334.5	336.5	337.5
35°	4337.2	2155.5	491.1	380.0	335.5	309.2	304.2	308.2	314.3	318.3	319.3
37.5°	4236.2	1867.5	429.5	345.6	304.2	283.0	281.9	290.0	298.1	307.2	309.2
40°	4193.7	1623.9	387.0	315.3	278.9	262.7	259.7	270.8	286.0	299.1	301.1
42.5°	4158.4	1424.9	350.7	286.0	258.7	235.5	234.4	248.6	266.8	279.9	283.0
45°	4128.1	1265.2	317.3	254.7	232.4	202.1	205.1	223.3	237.5	251.6	254.7
47.5°	4065.4	1133.8	280.9	221.3	192.0	172.8	178.9	195.0	206.2	227.4	230.4
50°	3953.2	1026.7	243.5	180.9	156.6	149.6	158.7	169.8	183.9	202.1	204.1
52.5°	3877.4	945.9	211.2	151.6	129.3	131.4	140.5	144.5	152.6	159.7	157.6
55°	3834.0	901.4	184.9	131.4	110.1	116.2	118.2	113.2	109.1	102.1	99.0
57.5°	3828.9	861.0	164.7	114.2	97.0	100.0	93.0	75.8	61.6	53.6	51.5
60°	3820.9	811.5	148.5	96.0	85.9	81.9	66.7	41.4	29.3	27.3	27.3
62.5°	3732.9	734.7	136.4	80.8	72.8	61.6	38.4	19.2	16.2	17.2	17.2
65°	3453.0	627.5	124.3	65.7	57.6	44.5	19.2	11.1	6.1	7.1	7.1
67.5°	2935.6	500.2	111.2	50.5	43.5	28.3	11.1	5.1	0.0	0.0	0.0
70°	1965.5	310.2	94.0	35.4	28.3	17.2	8.1	1.0	0.0	0.0	0.0
72.5°	753.9	167.7	75.8	21.2	18.2	12.1	5.1	0.0	0.0	0.0	0.0
75°	169.8	110.1	52.5	15.2	13.1	8.1	2.0	0.0	0.0	0.0	0.0
77.5°	64.7	79.8	30.3	10.1	9.1	5.1	0.0	0.0	0.0	0.0	0.0
80°	31.3	47.5	14.1	6.1	5.1	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.2	18.2	6.1	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.1	9.1	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.1	3.0	1.0	1.0	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)