

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: P192864

Luminaire Tested: **GAN-AF-06-LED-U-SL3-7030-800-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-SL3-7030-800-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23767.2 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

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: 28.75 FT

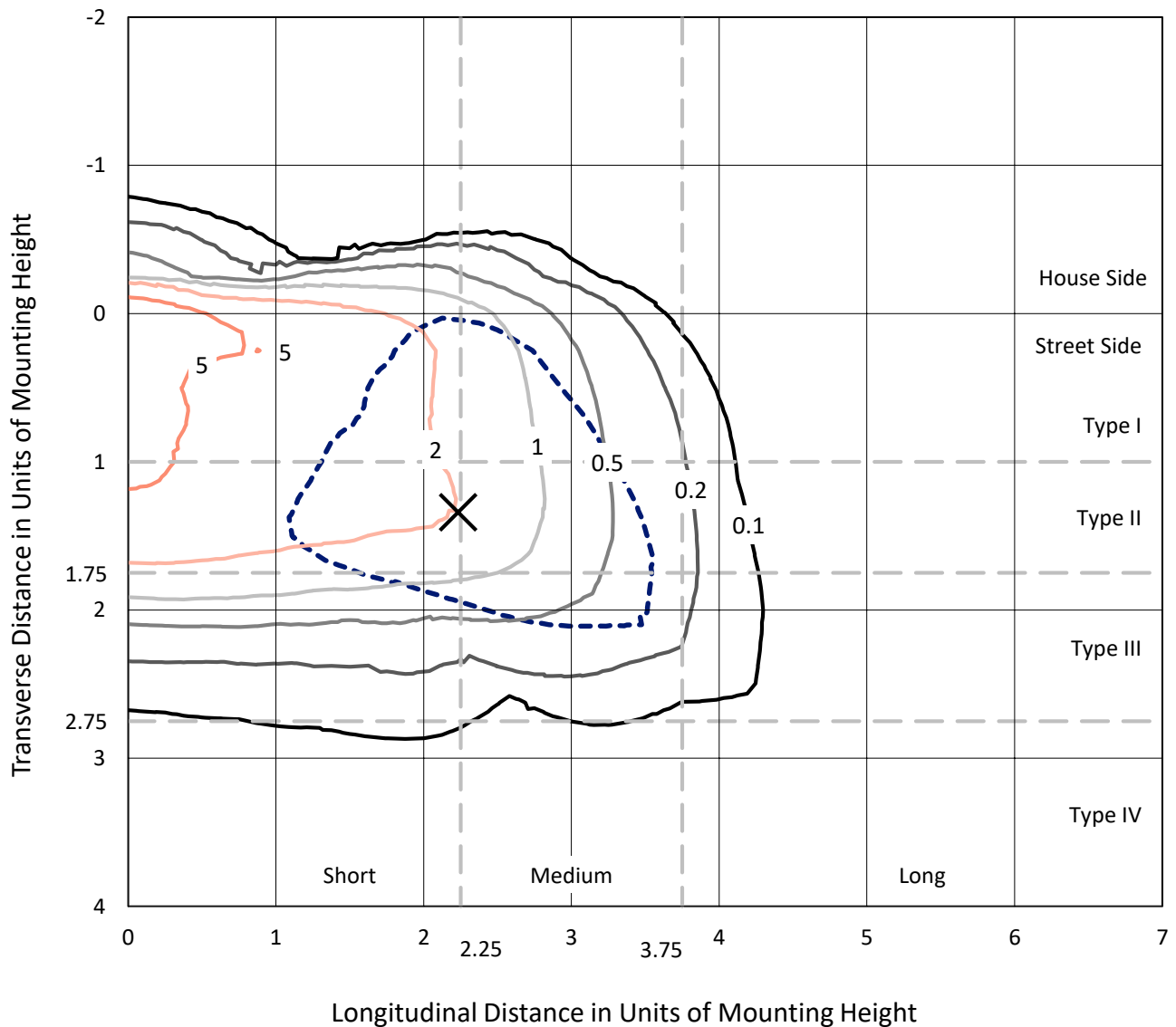


REPORT NUMBER: P192864

CATALOG NUMBER: GAN-AF-06-LED-U-SL3-7030-800-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

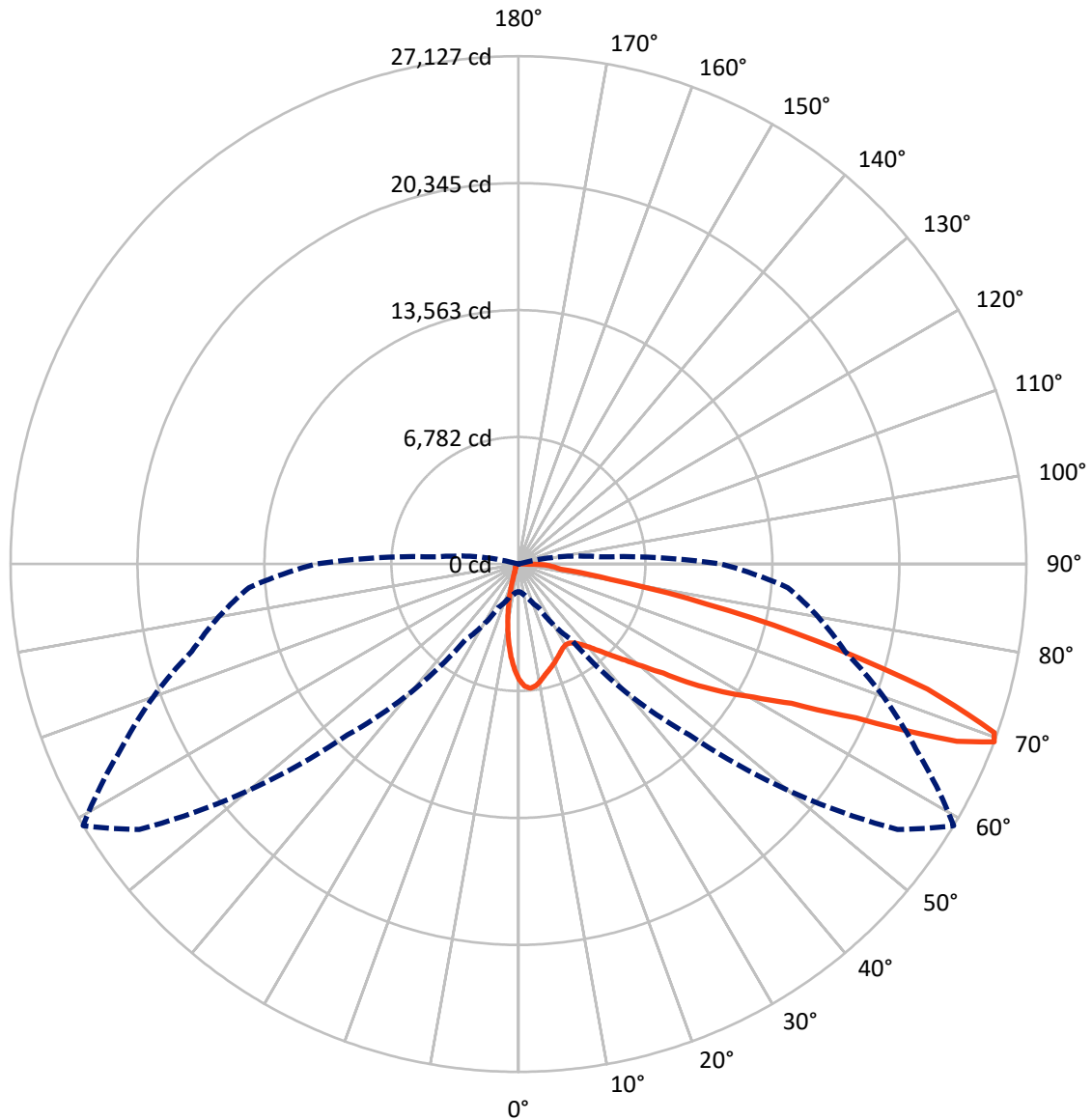


Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P192864

CATALOG NUMBER: GAN-AF-06-LED-U-SL3-7030-800-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P192864

CATALOG NUMBER: GAN-AF-06-LED-U-SL3-7030-800-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1935.5	0.0	1935.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	21831.7	0.0	21831.7
	% Fixture	91.9	0.0	91.9
Total	Lumens	23767.2	0.0	23767.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.1	2.1
10°-20°	1037.6	4.4
20°-30°	1396.2	5.9
30°-40°	2027.2	8.5
40°-50°	3375.4	14.2
50°-60°	5265.5	22.2
60°-70°	6515.7	27.4
70°-80°	3302.1	13.9
80°-90°	345.5	1.5
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°	23767.2	100.0
0°-180°	23767.2	100.0

Coefficient of Utilization



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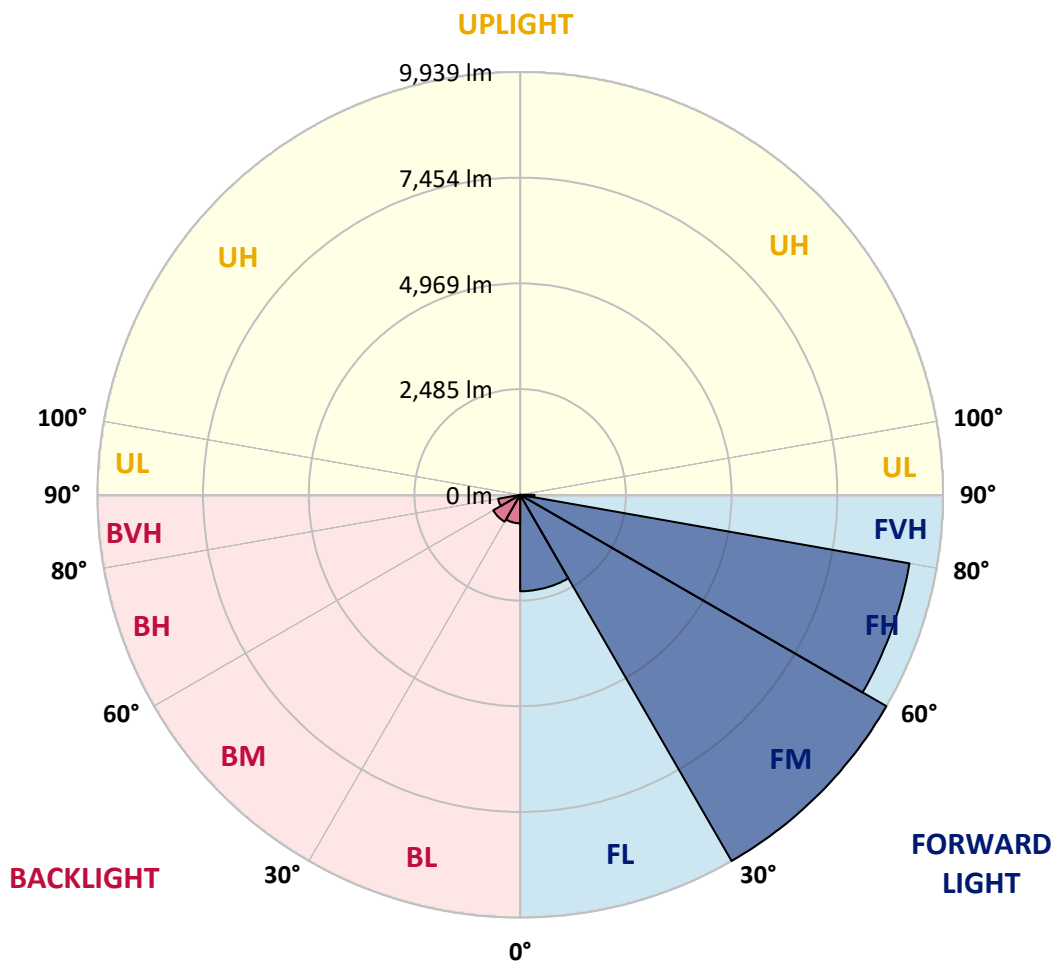
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2265.9	9.5			
FM	(30°-60°)	9938.7	41.8			
FH	(60°-80°)	9292.1	39.1			G4/12000
FVH	(80°-90°)	334.9	1.4			G3/500
BL	(0°-30°)	669.9	2.8	B2/1000		
BM	(30°-60°)	729.3	3.1	B1/1000		
BH	(60°-80°)	525.6	2.2	B2/1000		G2/1000
BVH	(80°-90°)	10.6	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short





REPORT NUMBER: P192864

CATALOG NUMBER: GAN-AF-06-LED-U-SL3-7030-800-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	6186.3	6186.3	6186.3	6186.3	6186.3	6186.3	6186.3	6186.3	6186.3	6186.3	6186.3
2.5°	6780.3	6777.6	6748.1	6734.6	6710.3	6659.4	6580.0	6538.4	6471.2	6354.3	6196.9
5°	6718.5	6750.7	6768.2	6769.6	6786.9	6768.2	6696.9	6662.0	6569.3	6381.2	6099.0
7.5°	6299.2	6311.3	6361.0	6404.0	6487.3	6566.6	6592.1	6577.4	6522.2	6320.6	5945.7
10°	5850.3	5862.5	5921.6	5977.9	6090.8	6213.1	6342.2	6369.0	6391.8	6234.7	5797.9
12.5°	5463.2	5475.3	5535.8	5609.7	5741.5	5892.0	6092.2	6136.5	6237.3	6152.7	5679.7
15°	5129.9	5135.3	5194.4	5285.9	5443.1	5636.5	5863.7	5935.0	6089.4	6094.9	5576.1
17.5°	4846.3	4859.8	4896.0	4983.5	5155.4	5394.6	5659.4	5761.6	5943.0	6046.5	5475.3
20°	4672.9	4686.3	4685.0	4733.4	4888.0	5143.4	5455.1	5577.4	5797.9	5996.8	5385.3
22.5°	4639.3	4639.3	4604.4	4597.7	4689.1	4902.8	5242.8	5392.0	5667.5	5975.3	5322.1
25°	4759.0	4753.7	4666.3	4595.0	4599.0	4726.8	5037.2	5214.6	5557.3	5990.0	5288.4
27.5°	5011.6	5004.9	4894.7	4759.0	4650.1	4648.8	4881.2	5072.2	5469.9	6059.9	5302.0
30°	5361.1	5358.4	5238.8	5068.1	4870.6	4689.1	4827.5	5000.9	5413.5	6186.3	5332.8
32.5°	5742.7	5738.8	5648.7	5468.5	5218.7	4870.6	4884.0	5029.1	5429.6	6354.3	5408.2
35°	6147.3	6140.6	6101.6	5944.4	5668.8	5205.2	5069.4	5182.2	5531.8	6605.6	5556.0
37.5°	6585.4	6592.1	6620.3	6469.8	6180.9	5674.2	5379.9	5456.5	5737.4	6946.9	5796.5
40°	7231.9	7230.6	7239.9	7042.5	6764.1	6248.1	5814.0	5838.2	6081.5	7399.9	6162.1
42.5°	8405.1	8323.2	8074.6	7671.3	7391.8	6904.0	6361.0	6335.4	6502.1	7960.3	6674.1
45°	9981.6	9806.9	9161.8	8389.0	8031.5	7643.1	7034.3	6952.2	7058.4	8633.6	7305.8
47.5°	11337.8	11156.3	10243.7	9136.3	8710.2	8344.6	7823.2	7675.4	7710.3	9387.5	8106.8
50°	11798.7	11710.0	10913.1	9786.8	9367.5	9227.7	8738.4	8558.4	8508.7	10259.8	9035.5
52.5°	11638.8	11632.0	11101.2	10208.7	9969.5	10141.6	9890.2	9681.9	9499.1	11179.1	9980.3
55°	11382.0	11415.6	11177.8	10578.4	10570.3	10976.1	11465.3	11292.0	10762.5	12177.7	10794.7
57.5°	10673.7	10817.5	11134.7	11277.2	11607.8	12023.1	12777.1	12879.2	12252.9	12942.5	11470.7
60°	8660.6	8976.3	10013.8	11378.0	12945.0	13979.9	14360.3	14447.6	13475.9	13578.0	12383.3
62.5°	6147.3	6469.8	7785.6	10093.2	12965.2	16550.9	16719.0	16376.3	14822.5	14520.2	13957.1
65°	3263.1	3511.8	4586.9	7285.6	11240.9	17147.5	20843.5	19822.2	17198.7	16373.5	15990.5
67.5°	1669.2	1744.5	2171.8	3565.5	7727.8	15231.2	24540.8	25259.7	21293.7	18212.1	15892.5
69°	1476.9	1521.3	1805.0	2577.8	4948.5	12900.7	24720.9	27126.6	23437.4	18058.8	14442.2
70°	1429.9	1469.0	1727.0	2333.1	3867.9	10819.0	24031.5	26962.6	23985.6	17475.6	13359.0
72.5°	1213.7	1247.2	1537.5	2061.6	3143.5	5370.5	19521.1	22847.4	21523.5	14557.8	9669.8
75°	811.8	921.9	1475.6	1932.6	2924.5	3050.8	12869.7	16510.6	15337.3	9819.0	5037.2
77.5°	194.9	209.7	416.6	1537.5	2674.4	2685.3	6619.0	10263.9	8371.6	3499.7	1190.7
80°	104.8	100.8	116.9	305.1	2490.3	2519.9	2979.6	4982.1	2989.0	580.6	392.5
82.5°	74.0	69.9	75.3	127.8	783.5	2295.5	2155.6	2255.2	1239.1	223.1	176.0
85°	26.9	25.5	41.6	115.6	246.0	1319.8	2214.9	1860.0	1004.0	102.1	129.0
87.5°	9.4	8.0	16.2	63.2	75.3	561.8	1366.9	1405.8	395.1	61.8	60.5
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: P192864

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6186.3	6186.3	6186.3	6186.3	6186.3	6186.3	6186.3	6186.3	6186.3	6186.3	6186.3
2.5°	6131.2	6047.8	5894.6	5737.4	5592.2	5417.5	5330.2	5244.1	5207.9	5194.4	5131.3
5°	5953.7	5812.6	5487.4	5160.9	4859.8	4539.9	4329.0	4159.6	4060.1	4011.8	3935.1
7.5°	5726.6	5495.4	5002.2	4498.2	4029.2	3566.9	3224.1	2960.7	2779.3	2691.9	2612.7
10°	5506.2	5198.4	4496.9	3810.1	3173.1	2560.3	2087.2	1744.5	1525.4	1424.6	1360.1
12.5°	5308.7	4909.4	4009.0	3139.4	2339.8	1622.2	1141.0	868.2	732.5	685.4	662.5
15°	5132.6	4643.4	3548.0	2502.5	1584.6	927.3	623.7	530.9	509.3	509.3	506.6
17.5°	4966.0	4382.7	3103.2	1904.4	994.6	567.2	474.4	462.2	462.2	467.7	467.7
20°	4806.0	4134.1	2673.1	1366.9	626.3	450.2	428.8	426.0	428.8	435.4	435.4
22.5°	4668.9	3908.2	2271.3	938.1	465.0	405.9	395.1	391.0	392.5	396.5	399.2
25°	4566.8	3717.4	1892.3	635.7	400.6	369.7	357.5	350.7	345.4	345.4	348.1
27.5°	4502.2	3556.2	1525.4	462.2	360.2	336.0	317.2	306.5	294.4	287.6	290.3
30°	4455.3	3402.9	1181.3	377.6	322.6	298.4	274.1	256.6	239.3	231.2	233.9
32.5°	4437.8	3279.3	883.1	333.3	289.0	262.1	232.5	209.7	190.8	184.1	185.4
35°	4484.8	3181.2	646.5	301.0	262.1	228.5	194.9	169.4	154.6	150.6	151.9
37.5°	4608.4	3128.7	483.8	274.1	237.8	200.3	162.6	138.4	129.0	129.0	130.3
40°	4842.3	3127.4	388.4	255.3	216.4	173.4	134.4	116.9	111.6	114.2	115.6
42.5°	5183.7	3198.7	338.7	237.8	197.5	147.8	111.6	99.4	98.2	100.8	102.1
45°	5650.1	3329.0	311.8	223.1	177.4	123.7	94.1	86.0	86.0	90.0	91.3
47.5°	6221.2	3519.8	289.0	208.3	157.3	103.5	80.7	75.3	76.6	80.7	82.0
50°	6909.3	3760.3	266.1	192.2	142.5	86.0	69.9	65.9	67.2	72.5	74.0
52.5°	7692.8	4084.3	247.3	177.4	123.7	71.2	59.1	56.5	59.1	64.5	65.9
55°	8364.8	4374.6	224.4	165.3	99.4	59.1	48.4	48.4	51.1	57.8	59.1
57.5°	9011.2	4678.4	204.4	142.5	77.9	47.1	40.3	41.6	45.7	52.5	53.7
60°	9960.1	5193.1	180.1	119.6	59.1	37.5	33.7	35.0	40.3	47.1	48.4
62.5°	11571.5	5976.6	155.9	99.4	45.7	29.6	26.9	29.6	36.3	44.4	45.7
65°	13025.7	6295.1	127.8	83.4	35.0	22.8	22.8	26.9	35.0	43.0	44.4
67.5°	12215.3	5299.3	99.4	65.9	26.9	17.5	18.8	25.5	33.7	43.0	44.4
69°	10802.8	4332.9	84.6	52.5	22.8	16.2	17.5	25.5	33.7	41.6	43.0
70°	9702.1	3658.2	75.3	44.4	20.2	16.2	17.5	24.1	33.7	41.6	43.0
72.5°	6498.0	1975.6	60.5	32.2	18.8	14.7	14.7	24.1	32.2	40.3	41.6
75°	2792.7	545.6	48.4	22.8	16.2	13.4	13.4	22.8	30.9	39.0	41.6
77.5°	510.7	138.4	39.0	20.2	16.2	13.4	12.1	21.6	29.6	37.5	39.0
80°	202.9	68.5	30.9	17.5	14.7	12.1	10.7	20.2	28.2	36.3	37.5
82.5°	122.3	39.0	25.5	16.2	14.7	10.7	9.4	17.5	26.9	35.0	36.3
85°	99.4	26.9	20.2	16.2	13.4	10.7	8.0	16.2	24.1	33.7	35.0
87.5°	48.4	18.8	18.8	14.7	13.4	10.7	8.0	14.7	22.8	32.2	33.7
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)