

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: P323491

Luminaire Tested: **GAN-SA7C-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA 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: 38924 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

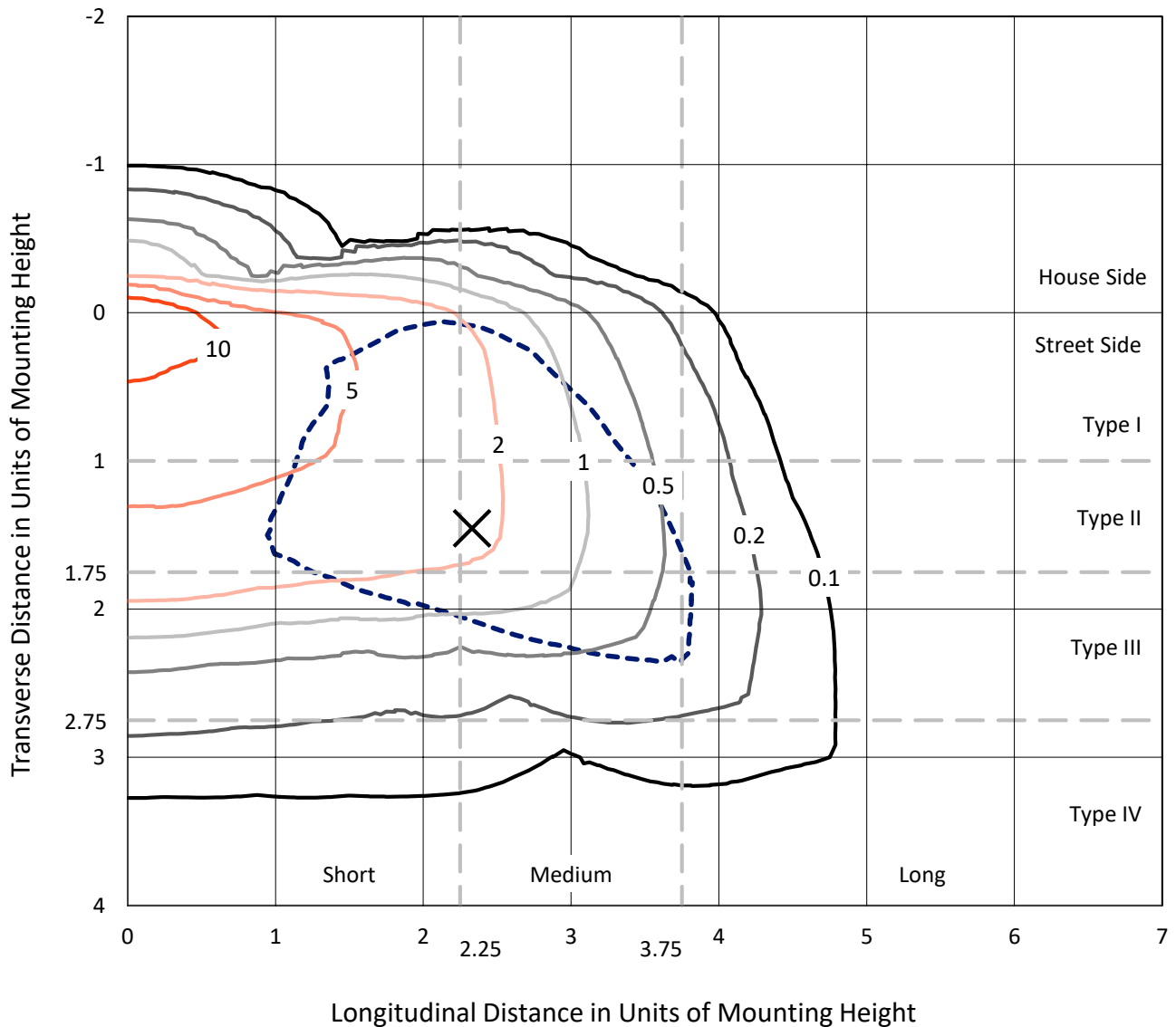
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

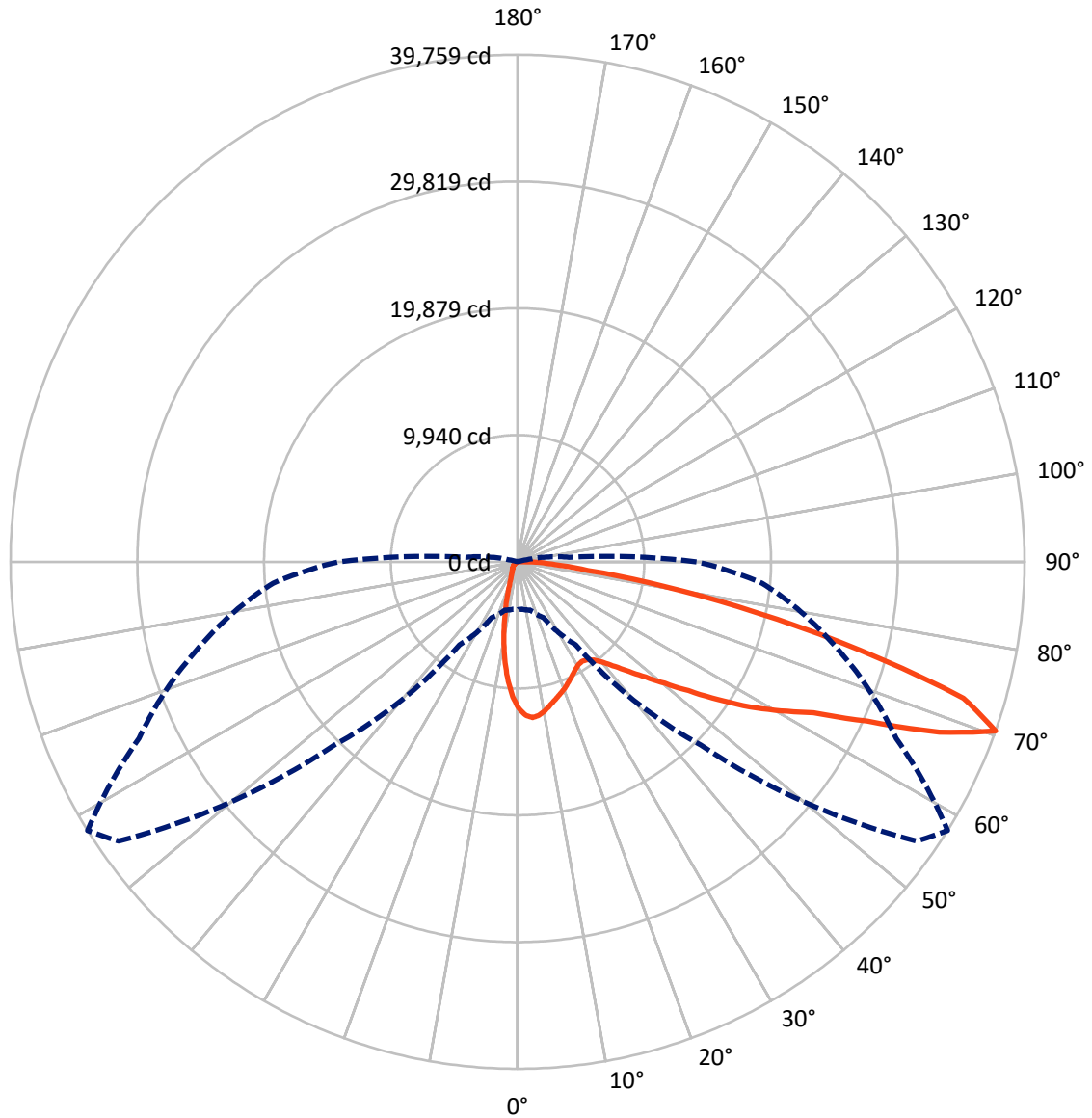
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3331.0	0.0	3331.0
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	35593.0	0.0	35593.0
	% Fixture	91.4	0.0	91.4
Total	Lumens	38924.0	0.0	38924.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.2	2.4
10°-20°	1973.3	5.1
20°-30°	2594.3	6.7
30°-40°	3435.8	8.8
40°-50°	5135.5	13.2
50°-60°	8226.8	21.1
60°-70°	10369.8	26.6
70°-80°	5593.4	14.4
80°-90°	654.7	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°	38924.0	100.0
0°-180°	38924.0	100.0

Coefficient of Utilization

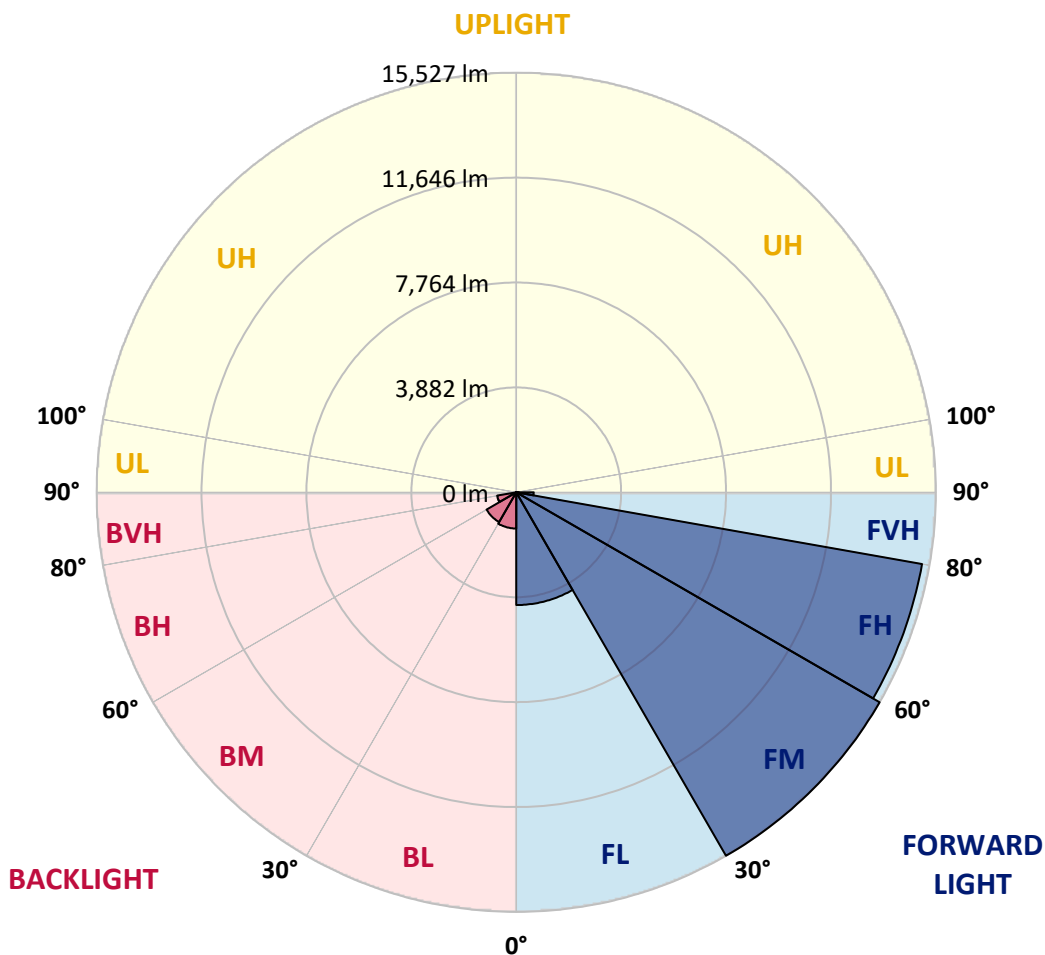


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4169.6	10.7			
FM (30°-60°)	15527.4	39.9			
FH (60°-80°)	15246.9	39.2			G5
FVH (80°-90°)	649.1	1.7			G4/750
BL (0°-30°)	1338.3	3.4	B3/2500		
BM (30°-60°)	1270.7	3.3	B2/2500		
BH (60°-80°)	716.3	1.8	B2/1000		G2/1000
BVH (80°-90°)	5.7	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	11498.0	11498.0	11498.0	11498.0	11498.0	11498.0	11498.0	11498.0	11498.0	11498.0	11498.0
2.5°	12451.3	12420.5	12409.2	12389.8	12315.3	12242.5	12098.4	12058.0	11967.3	11752.1	11523.9
5°	12461.0	12459.4	12493.4	12485.3	12459.4	12425.4	12321.8	12268.4	12114.6	11807.1	11389.5
7.5°	11860.5	11891.3	11967.3	12028.8	12100.1	12192.3	12205.3	12153.5	12027.2	11695.4	11141.9
10°	11054.5	11103.0	11209.9	11331.3	11517.4	11701.9	11867.0	11860.5	11816.8	11489.9	10844.1
12.5°	10246.8	10303.5	10426.5	10606.2	10870.0	11171.0	11465.6	11506.1	11578.9	11305.4	10568.9
15°	9539.6	9588.1	9709.5	9929.6	10256.6	10661.2	11093.3	11167.8	11355.5	11161.3	10339.1
17.5°	8939.1	8969.8	9058.9	9303.3	9682.0	10172.4	10734.0	10879.7	11159.7	11048.0	10140.0
20°	8519.9	8524.7	8583.0	8754.6	9133.3	9682.0	10361.8	10570.6	10952.5	10950.9	9934.5
22.5°	8312.7	8296.5	8307.9	8406.6	8685.0	9214.2	9989.5	10237.1	10766.4	10868.4	9725.7
25°	8273.9	8260.9	8228.6	8241.5	8409.8	8804.7	9614.0	9900.5	10602.9	10818.2	9544.4
27.5°	8395.3	8408.2	8353.2	8294.9	8307.9	8539.3	9280.6	9612.4	10470.2	10818.2	9416.5
30°	8639.7	8646.1	8605.7	8529.6	8427.6	8464.9	9049.1	9380.9	10403.8	10892.6	9335.6
32.5°	8910.0	8945.6	8940.7	8879.2	8733.5	8583.0	8994.1	9296.8	10399.0	11057.7	9327.5
35°	9245.0	9285.4	9353.4	9340.5	9188.3	8940.7	9181.9	9419.8	10494.5	11329.6	9414.9
37.5°	9601.1	9662.6	9808.2	9877.8	9779.1	9499.1	9602.7	9772.6	10750.2	11769.9	9636.7
40°	9945.8	10015.4	10280.8	10554.4	10479.9	10191.8	10240.4	10376.3	11205.0	12402.7	10057.5
42.5°	10284.1	10387.7	10777.7	11227.7	11316.7	11086.9	11112.8	11221.2	11879.9	13273.5	10745.4
45°	10688.7	10805.2	11383.1	11938.2	12176.1	12075.8	12185.8	12257.1	12762.0	14424.2	11672.8
47.5°	11282.7	11417.0	12126.0	12758.8	13176.4	13241.1	13462.8	13509.8	13877.2	15764.4	12881.8
50°	12441.6	12478.8	13119.7	13694.3	14296.4	14684.8	14937.3	14972.9	15227.0	17229.1	14391.9
52.5°	13899.8	13924.1	14286.7	14671.9	15356.5	16149.6	16740.4	16790.5	16843.9	18656.7	15882.5
55°	15348.4	15345.2	15584.7	15811.3	16594.7	17747.1	19028.9	19059.7	18676.1	20011.4	17022.0
57.5°	16253.2	16340.6	16704.7	16996.1	18090.2	19567.9	21346.7	21460.0	20600.5	21014.9	18148.5
60°	15965.1	16007.2	16814.8	17892.7	19953.1	22155.9	23691.9	23721.0	22047.5	22016.7	19572.8
62.5°	13602.0	13624.7	14893.6	17115.8	20896.7	25512.7	26521.1	26046.8	23711.3	23407.0	21277.1
65°	9322.7	9470.0	10530.1	13276.7	19163.3	27618.4	30900.8	30115.8	26247.5	25410.8	22817.9
67.5°	5490.0	5459.3	5983.7	8006.8	14074.6	26220.0	36441.0	35660.8	29706.3	26752.5	22366.3
70°	3750.1	3729.1	3929.8	4847.5	7945.3	20339.9	38184.1	39758.9	32760.5	25849.4	19249.1
72.5°	2677.0	2688.4	2984.6	3766.3	4988.3	11850.8	32836.5	36564.0	31803.9	22534.7	14631.4
75°	1817.6	1848.3	2272.4	3089.8	4373.2	6029.0	23301.8	27794.8	25897.9	16377.8	8409.8
77.5°	977.6	1011.6	1511.7	2489.3	3954.0	4188.7	14989.1	19129.3	16267.7	7362.6	2437.5
80°	407.9	427.3	707.3	1809.5	3416.7	3678.9	8819.3	11599.9	6932.1	1451.8	543.8
82.5°	176.4	186.1	294.6	1079.6	2554.0	3105.9	4669.4	5580.7	2100.8	318.8	273.5
85°	34.0	35.6	121.4	571.3	1629.8	1752.9	3026.6	2966.7	943.6	137.6	199.1
87.5°	0.0	0.0	29.1	179.7	479.1	954.9	1846.7	1824.1	320.5	66.4	74.5
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°	11498.0	11498.0	11498.0	11498.0	11498.0	11498.0	11498.0	11498.0	11498.0	11498.0	11498.0
2.5°	11407.3	11295.7	11061.0	10771.2	10549.5	10305.1	10110.9	9864.9	9758.1	9762.9	9704.6
5°	11151.6	10921.8	10402.2	9746.7	9241.7	8720.6	8272.3	7825.5	7561.7	7475.9	7395.0
7.5°	10785.8	10421.6	9593.0	8583.0	7728.4	6893.3	6166.6	5527.2	5122.6	4925.2	4852.3
10°	10373.1	9861.6	8662.3	7331.9	6111.5	4981.8	4039.8	3220.9	2893.9	2672.2	2615.5
12.5°	10010.5	9317.8	7752.7	6048.4	4599.8	3237.0	2338.8	1828.9	1607.2	1519.8	1505.2
15°	9669.0	8809.6	6877.1	4886.3	3185.2	1992.4	1487.4	1314.2	1262.4	1247.9	1247.9
17.5°	9347.0	8325.7	6020.9	3742.0	2107.3	1396.8	1231.7	1192.8	1176.7	1175.0	1176.7
20°	9010.3	7841.7	5179.3	2741.8	1471.2	1183.1	1137.8	1116.8	1111.9	1111.9	1111.9
22.5°	8688.2	7357.8	4360.3	1958.4	1179.9	1079.6	1056.9	1042.3	1037.5	1035.9	1032.6
25°	8379.1	6898.1	3560.7	1383.8	1035.9	988.9	969.5	950.1	935.5	927.4	922.6
27.5°	8125.0	6488.6	2816.2	1110.3	935.5	895.0	870.8	841.6	806.0	789.8	783.4
30°	7922.7	6114.8	2170.4	937.1	841.6	801.2	763.9	713.8	662.0	634.5	632.8
32.5°	7764.0	5747.4	1647.7	828.7	757.5	707.3	653.9	590.8	530.9	500.1	498.5
35°	7686.4	5423.7	1259.2	749.4	683.0	619.9	553.5	483.9	425.7	396.5	393.3
37.5°	7738.1	5150.1	982.4	683.0	619.9	547.1	469.4	396.5	344.7	318.8	317.2
40°	7927.5	4975.3	797.9	626.4	566.5	477.5	393.3	325.3	281.6	260.6	259.0
42.5°	8330.5	4910.6	681.4	579.4	514.7	412.7	326.9	268.7	228.2	213.6	210.4
45°	9003.8	5006.1	602.1	534.1	461.3	351.2	270.3	220.1	184.5	173.2	171.6
47.5°	9900.5	5257.0	545.4	490.4	412.7	296.2	225.0	178.0	150.5	139.2	137.6
50°	11056.1	5655.1	498.5	446.7	367.4	250.9	186.1	140.8	116.5	108.4	108.4
52.5°	12313.7	6129.3	456.4	406.2	322.1	208.8	150.5	108.4	92.3	82.5	82.5
55°	13352.8	6543.7	411.1	375.5	267.1	173.2	114.9	82.5	68.0	63.1	63.1
57.5°	14390.3	6985.5	359.3	322.1	213.6	140.8	87.4	61.5	50.2	46.9	46.9
60°	15735.3	7526.1	309.1	262.2	168.3	106.8	64.7	43.7	37.2	35.6	35.6
62.5°	17214.6	7843.3	263.8	210.4	131.1	79.3	46.9	29.1	27.5	27.5	25.9
65°	18119.3	7395.0	221.7	168.3	102.0	59.9	30.8	21.0	24.3	22.7	19.4
67.5°	16965.3	5789.4	181.3	131.1	79.3	45.3	19.4	14.6	25.9	21.0	16.2
70°	14047.1	4052.8	140.8	92.3	63.1	38.8	12.9	9.7	27.5	21.0	12.9
72.5°	10512.3	2712.6	111.7	61.5	46.9	34.0	11.3	4.9	24.3	17.8	11.3
75°	5744.1	1092.5	89.0	38.8	29.1	24.3	8.1	3.2	16.2	12.9	8.1
77.5°	1511.7	288.1	64.7	25.9	16.2	9.7	4.9	1.6	8.1	6.5	3.2
80°	385.2	111.7	42.1	17.8	11.3	4.9	0.0	0.0	1.6	0.0	0.0
82.5°	205.6	46.9	25.9	12.9	6.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	155.4	30.8	14.6	8.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	59.9	9.7	4.9	0.0	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)