

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: P531957

Luminaire Tested: **GLAN-SA7B-735-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7B-735-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21779 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

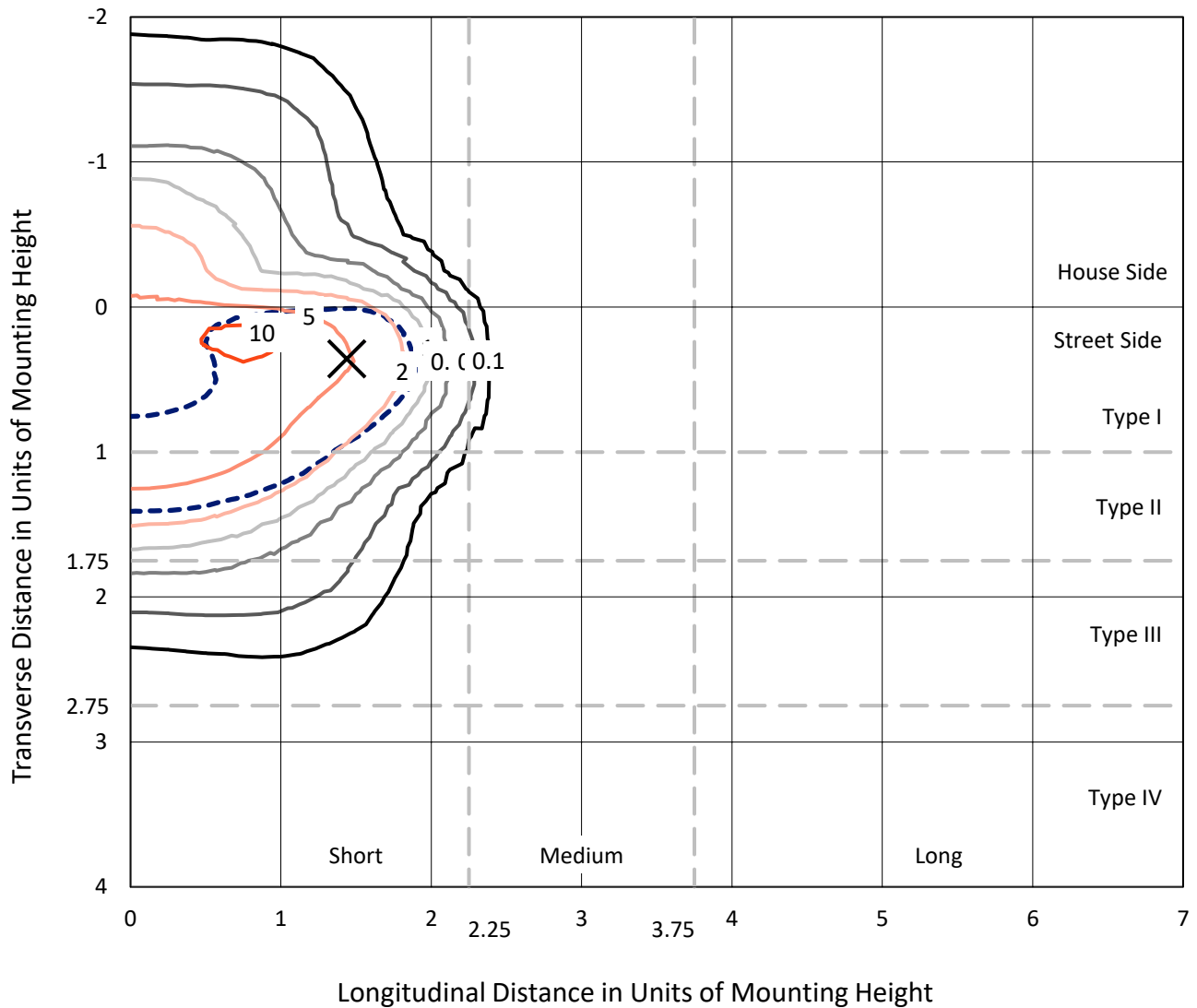
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

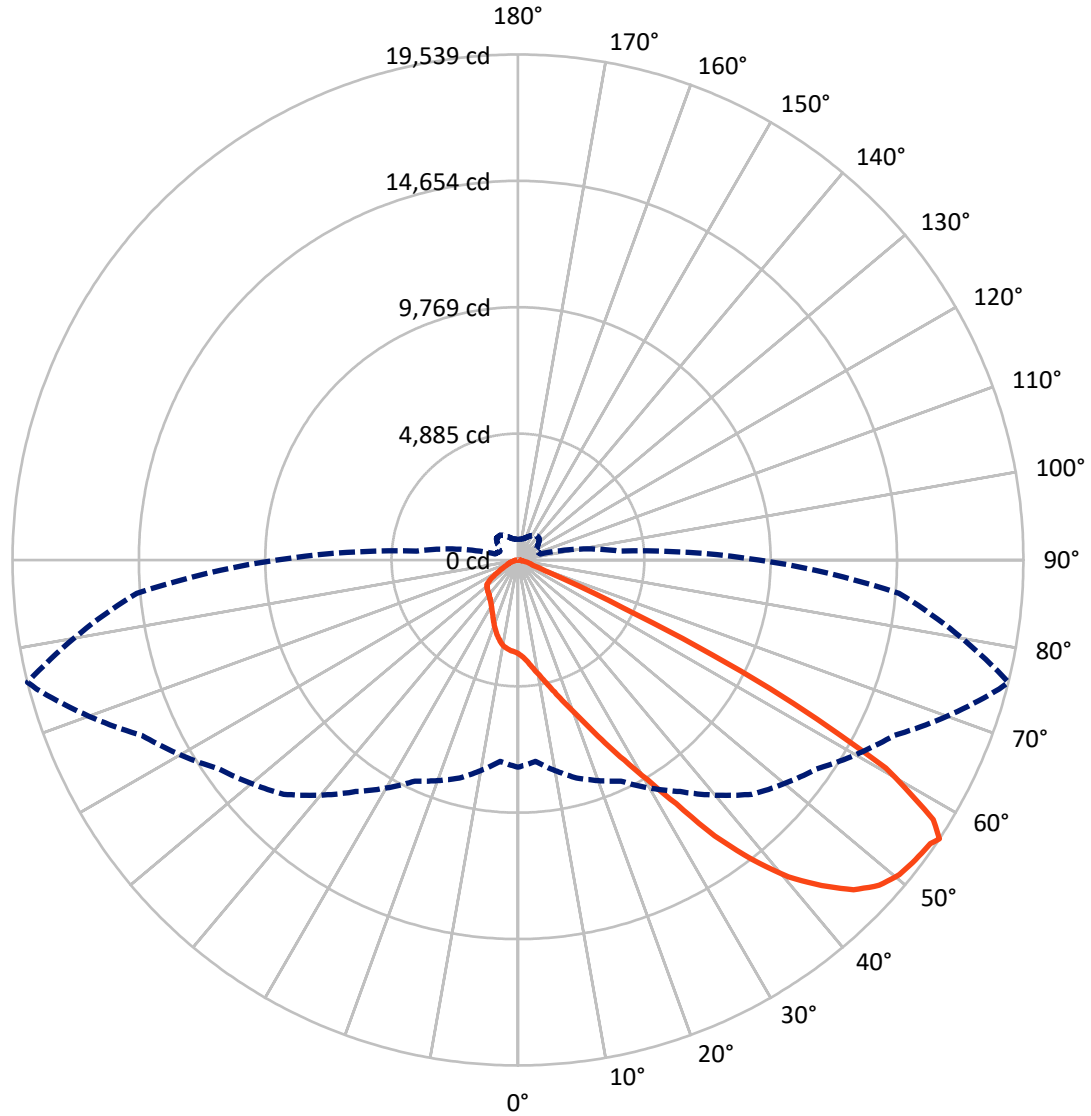
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3421.4	0.0	3421.4
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	18357.6	0.0	18357.6
	% Fixture	84.3	0.0	84.3
Total	Lumens	21779.0	0.0	21779.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.2	1.7
10°-20°	1173.2	5.4
20°-30°	2127.3	9.8
30°-40°	3668.7	16.8
40°-50°	5959.9	27.4
50°-60°	6281.9	28.8
60°-70°	1919.4	8.8
70°-80°	246.1	1.1
80°-90°	37.4	0.2
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°	21779.0	100.0
0°-180°	21779.0	100.0

Coefficient of Utilization

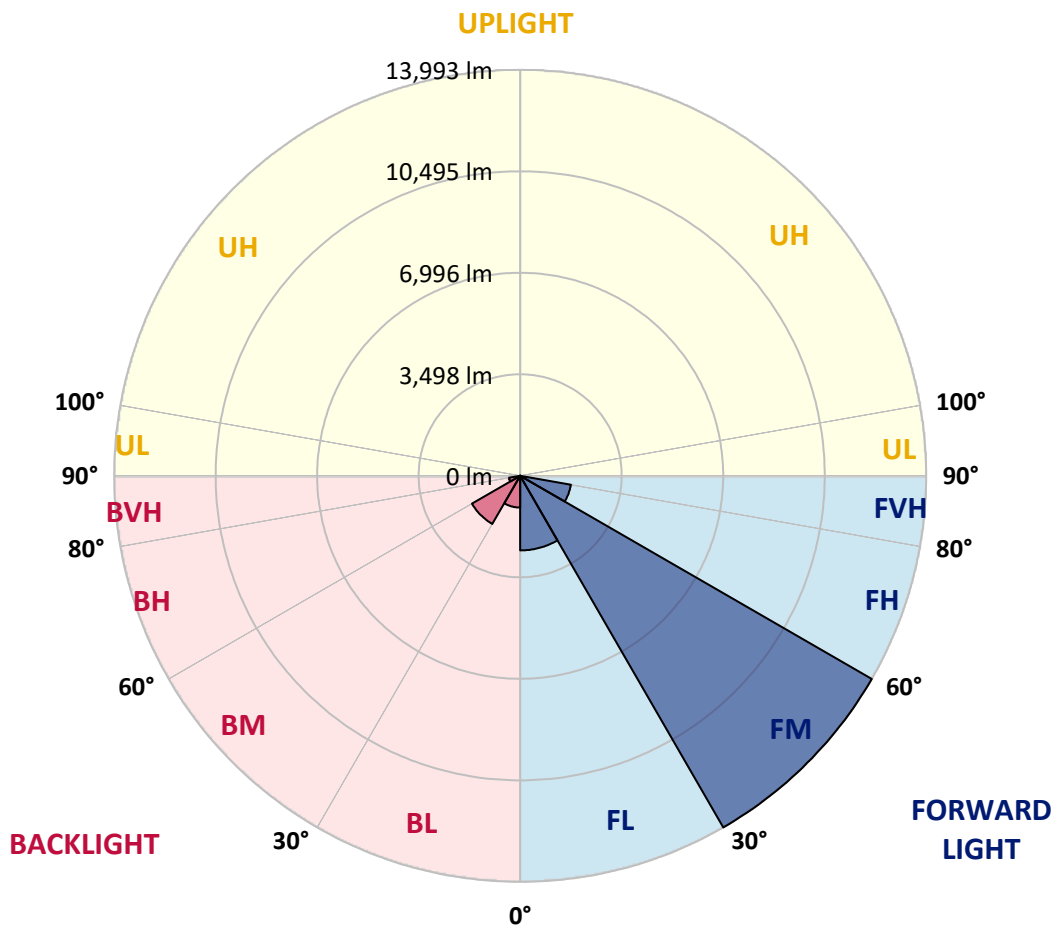


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2571.2	11.8			
FM (30°-60°)	13993.0	64.2			
FH (60°-80°)	1775.1	8.2			G1/1800
FVH (80°-90°)	18.3	0.1			G1/100
BL (0°-30°)	1094.5	5.0	B3/2500		
BM (30°-60°)	1917.5	8.8	B2/2500		
BH (60°-80°)	390.3	1.8	B1/500		G1/500
BVH (80°-90°)	19.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3625.1	3625.1	3625.1	3625.1	3625.1	3625.1	3625.1	3625.1	3625.1	3625.1	3625.1
2.5°	4175.1	4078.8	4082.8	4074.8	4062.7	4018.6	3886.1	3866.0	3777.7	3753.6	3673.3
5°	4677.0	4592.7	4640.8	4568.6	4500.3	4460.2	4243.4	4143.0	4002.5	3950.3	3837.9
7.5°	4990.1	4950.0	4933.9	4937.9	4873.7	4773.3	4677.0	4456.2	4267.5	4227.3	3990.5
10°	5142.7	5118.6	5142.7	5130.6	5158.7	5170.8	5002.1	4869.7	4592.7	4524.4	4155.1
12.5°	5178.8	5227.0	5247.0	5299.2	5367.5	5483.9	5471.8	5291.2	4921.9	4877.7	4408.0
15°	5267.1	5307.2	5287.2	5371.5	5499.9	5696.7	5801.0	5772.9	5375.5	5295.2	4701.0
17.5°	5347.4	5275.1	5343.4	5512.0	5640.5	5941.5	6194.5	6310.9	5869.3	5777.0	4970.0
20°	5455.8	5435.7	5423.7	5508.0	5736.8	6138.3	6640.1	6852.9	6423.3	6326.9	5355.4
22.5°	5785.0	5789.0	5781.0	5656.5	5821.1	6274.8	7029.5	7555.4	7085.7	7005.4	5793.0
25°	6218.6	6166.4	6126.2	6025.9	6005.8	6399.2	7422.9	8414.5	7880.6	7824.4	6266.7
27.5°	6676.2	6676.2	6555.8	6463.4	6335.0	6708.3	7784.2	9249.5	8840.1	8763.8	6680.2
30°	7174.0	7202.1	7186.1	6989.3	6909.1	7045.6	8153.6	10317.4	9940.0	9843.7	7362.7
32.5°	7908.7	7848.5	7916.7	7752.1	7515.3	7635.7	8735.7	11272.9	11369.2	11232.7	8257.9
35°	8880.2	8844.1	8799.9	8530.9	8249.9	8346.3	9558.7	12449.1	13163.7	13095.5	9161.2
37.5°	9751.4	9731.3	9695.2	9510.5	9185.3	9301.7	10494.1	13673.6	14914.1	14689.3	10437.9
40°	10666.7	10775.1	10658.7	10494.1	10197.0	10453.9	11594.0	14400.2	16387.4	16114.4	11413.4
42.5°	11907.2	11822.9	11875.1	11574.0	11413.4	11694.4	12698.1	15126.9	17531.6	17206.4	12449.1
45°	13228.0	13232.0	13091.5	12995.1	12577.6	12882.7	13376.5	15528.3	18442.9	18190.0	13232.0
47.5°	14075.0	14071.0	14223.6	14376.1	13946.6	13645.5	13838.2	15909.7	18912.6	18796.2	13517.0
50°	13942.6	13982.7	14179.4	14749.5	14974.3	14568.8	14271.8	15797.3	19125.4	19113.3	13761.9
52.5°	12128.0	12260.5	12589.7	13412.6	14544.7	15046.6	14725.4	16006.0	19229.7	19249.8	14127.2
55°	9233.5	9305.7	9932.0	10931.6	12184.2	13902.4	14544.7	16170.6	19310.0	19346.2	14568.8
56°	8009.0	7816.3	8719.6	9430.2	10927.6	12806.4	14087.1	16042.2	19261.9	19538.9	14789.6
57.5°	6045.9	5917.5	6648.1	7535.3	8976.6	10959.7	12665.9	15436.0	18936.7	18932.7	14472.5
60°	3677.3	3548.9	4110.9	4632.8	5439.7	6748.5	8559.0	12292.6	16010.1	16347.3	11718.5
62.5°	2187.9	2268.2	2822.2	3139.4	3400.3	3536.8	4428.1	7306.5	10682.7	10923.6	7270.4
65°	1457.3	1485.4	1902.9	2424.8	2541.2	2023.3	1802.5	2958.7	4632.8	4484.3	2998.9
67.5°	899.3	963.5	1276.6	1822.6	2019.3	1477.4	855.1	1104.0	1276.6	1276.6	867.1
70°	546.0	578.1	851.1	1240.5	1385.0	951.5	622.3	622.3	614.2	602.2	517.9
72.5°	260.9	281.0	433.6	638.3	650.4	501.8	481.7	525.9	513.9	509.8	429.6
75°	112.4	120.4	152.6	200.7	228.8	212.8	293.1	377.4	389.4	377.4	309.1
77.5°	36.1	40.1	56.2	72.3	76.3	92.3	124.5	156.6	180.7	168.6	152.6
80°	4.0	8.0	16.1	36.1	56.2	72.3	92.3	104.4	116.4	116.4	108.4
82.5°	4.0	4.0	16.1	32.1	52.2	68.2	88.3	100.4	116.4	120.4	112.4
85°	0.0	4.0	12.0	28.1	44.2	44.2	40.1	40.1	28.1	28.1	28.1
87.5°	0.0	0.0	4.0	4.0	4.0	8.0	8.0	8.0	8.0	8.0	8.0
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°	3625.1	3625.1	3625.1	3625.1	3625.1	3625.1	3625.1	3625.1	3625.1	3625.1	3625.1
2.5°	3657.3	3649.2	3540.8	3472.6	3436.5	3364.2	3320.0	3287.9	3263.8	3235.7	3239.7
5°	3705.4	3677.3	3496.7	3372.2	3223.7	3143.4	3075.2	3018.9	2982.8	2974.8	2958.7
7.5°	3841.9	3693.4	3420.4	3195.6	3006.9	2926.6	2866.4	2830.3	2846.3	2810.2	2838.3
10°	3946.3	3725.5	3328.1	3002.9	2814.2	2754.0	2721.9	2750.0	2790.1	2774.1	2754.0
12.5°	4074.8	3757.6	3179.5	2818.2	2641.6	2597.4	2653.6	2705.8	2786.1	2818.2	2778.1
15°	4219.3	3793.8	2990.8	2605.4	2493.0	2529.2	2625.5	2717.9	2798.1	2838.3	2862.4
17.5°	4395.9	3781.7	2806.2	2436.8	2352.5	2456.9	2573.3	2657.6	2778.1	2838.3	2822.2
20°	4560.5	3741.6	2601.4	2268.2	2272.2	2368.6	2464.9	2601.4	2665.7	2746.0	2717.9
22.5°	4717.1	3669.3	2388.7	2151.8	2151.8	2300.3	2348.5	2436.8	2493.0	2533.2	2529.2
25°	4937.9	3532.8	2212.0	2039.4	2087.6	2183.9	2224.1	2252.2	2228.1	2260.2	2264.2
27.5°	5094.5	3392.3	2067.5	1939.0	2027.4	2099.6	2087.6	2071.5	2015.3	1971.1	1999.3
30°	5263.1	3227.7	1943.0	1870.8	1919.0	1983.2	1935.0	1886.8	1798.5	1726.3	1730.3
32.5°	5504.0	3151.4	1834.7	1790.5	1854.7	1862.8	1810.6	1738.3	1650.0	1581.7	1577.7
35°	5953.6	3103.3	1742.3	1738.3	1750.3	1754.4	1702.2	1613.9	1577.7	1521.5	1541.6
37.5°	6403.2	3079.2	1678.1	1662.0	1658.0	1662.0	1601.8	1517.5	1585.8	1581.7	1589.8
40°	6977.3	3187.6	1585.8	1565.7	1569.7	1569.7	1493.4	1469.3	1589.8	1601.8	1605.8
42.5°	7559.4	3324.1	1525.5	1461.3	1477.4	1477.4	1437.2	1409.1	1493.4	1413.1	1401.1
45°	8065.3	3524.8	1461.3	1356.9	1397.1	1417.1	1405.1	1356.9	1304.7	1168.2	1168.2
47.5°	8229.8	3701.4	1385.0	1256.6	1288.7	1377.0	1340.9	1240.5	1148.2	1035.8	1027.7
50°	8518.9	3894.1	1324.8	1140.1	1208.4	1316.8	1280.6	1180.3	1075.9	995.6	999.6
52.5°	8816.0	4114.9	1212.4	1003.6	1087.9	1268.6	1268.6	1156.2	995.6	939.4	931.4
55°	9261.6	4106.9	1011.7	823.0	971.5	1196.3	1216.4	1035.8	891.2	847.1	847.1
56°	9325.8	3922.2	911.3	770.8	919.3	1176.3	1180.3	1003.6	851.1	802.9	802.9
57.5°	8844.1	3540.8	798.9	706.6	855.1	1140.1	1144.1	975.5	819.0	750.7	742.7
60°	6804.7	2396.7	666.4	630.3	774.8	1027.7	1047.8	887.2	718.6	666.4	662.4
62.5°	3841.9	1328.8	586.1	570.1	666.4	875.2	935.4	774.8	610.2	582.1	590.1
65°	1754.4	730.6	493.8	461.7	538.0	674.4	754.7	638.3	501.8	469.7	469.7
67.5°	642.3	497.8	421.5	365.3	377.4	437.6	489.8	413.5	333.2	285.0	297.1
70°	457.7	417.5	369.3	317.2	293.1	285.0	281.0	232.8	164.6	128.5	136.5
72.5°	369.3	345.3	309.1	269.0	228.8	192.7	164.6	120.4	76.3	52.2	48.2
75°	265.0	252.9	224.8	192.7	160.6	136.5	112.4	76.3	40.1	20.1	20.1
77.5°	136.5	136.5	132.5	120.4	100.4	80.3	64.2	44.2	24.1	8.0	8.0
80°	104.4	112.4	116.4	104.4	92.3	72.3	52.2	32.1	16.1	4.0	4.0
82.5°	100.4	116.4	124.5	108.4	92.3	68.2	52.2	32.1	16.1	4.0	4.0
85°	24.1	24.1	36.1	40.1	52.2	56.2	44.2	28.1	12.0	4.0	4.0
87.5°	8.0	8.0	8.0	8.0	8.0	8.0	4.0	4.0	4.0	4.0	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)