

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: P531619

Luminaire Tested: **GLAN-SA6D-830-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531619
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-SA6D-830-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1200mA 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: 21504 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

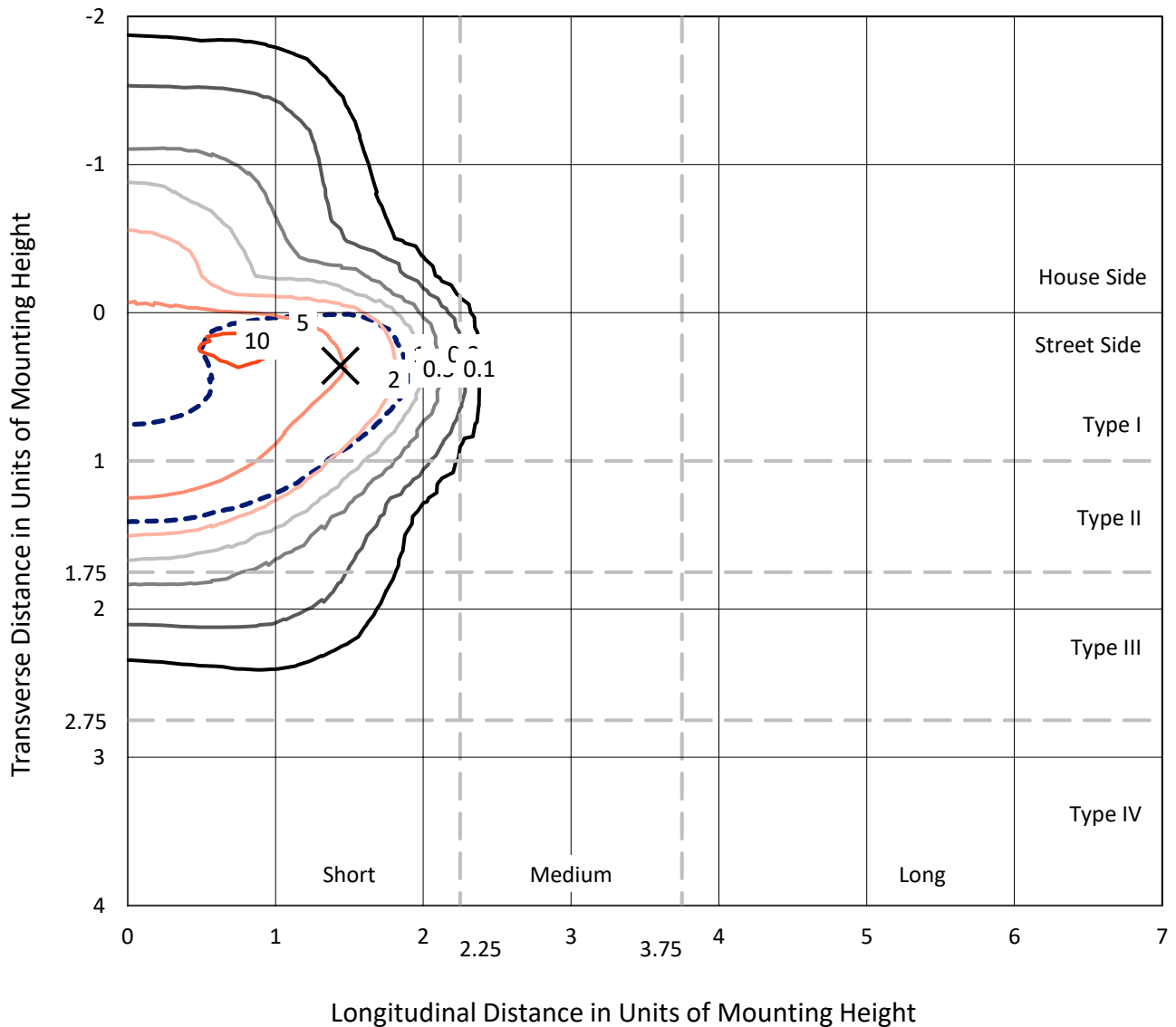
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

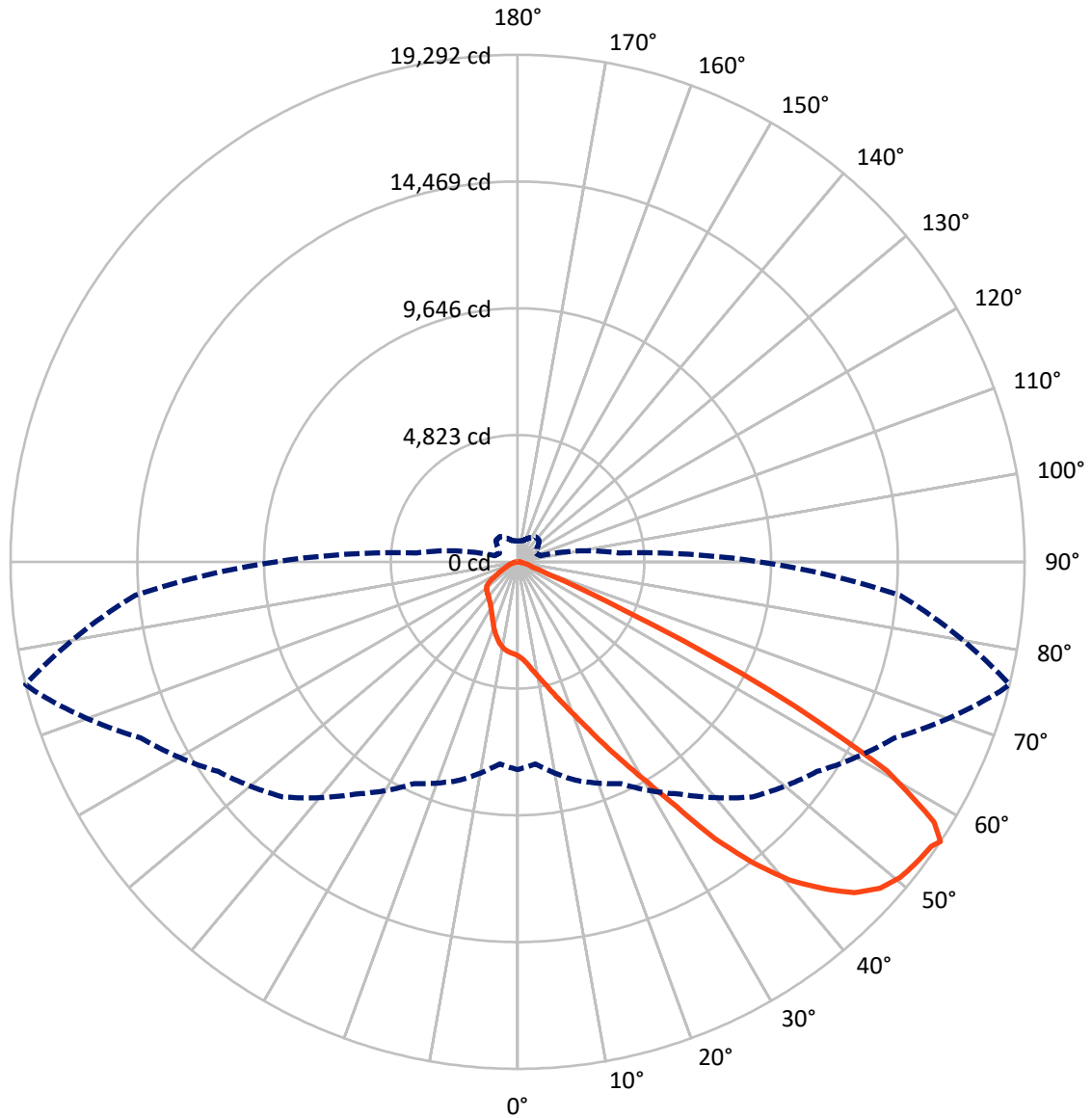
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	3378.2	0.0	3378.2
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	18125.8	0.0	18125.8
	% Fixture	84.3	0.0	84.3
Total	Lumens	21504.0	0.0	21504.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.6	1.7
10°-20°	1158.4	5.4
20°-30°	2100.5	9.8
30°-40°	3622.3	16.8
40°-50°	5884.6	27.4
50°-60°	6202.6	28.8
60°-70°	1895.2	8.8
70°-80°	242.9	1.1
80°-90°	36.9	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°	21504.0	100.0
0°-180°	21504.0	100.0

Coefficient of Utilization



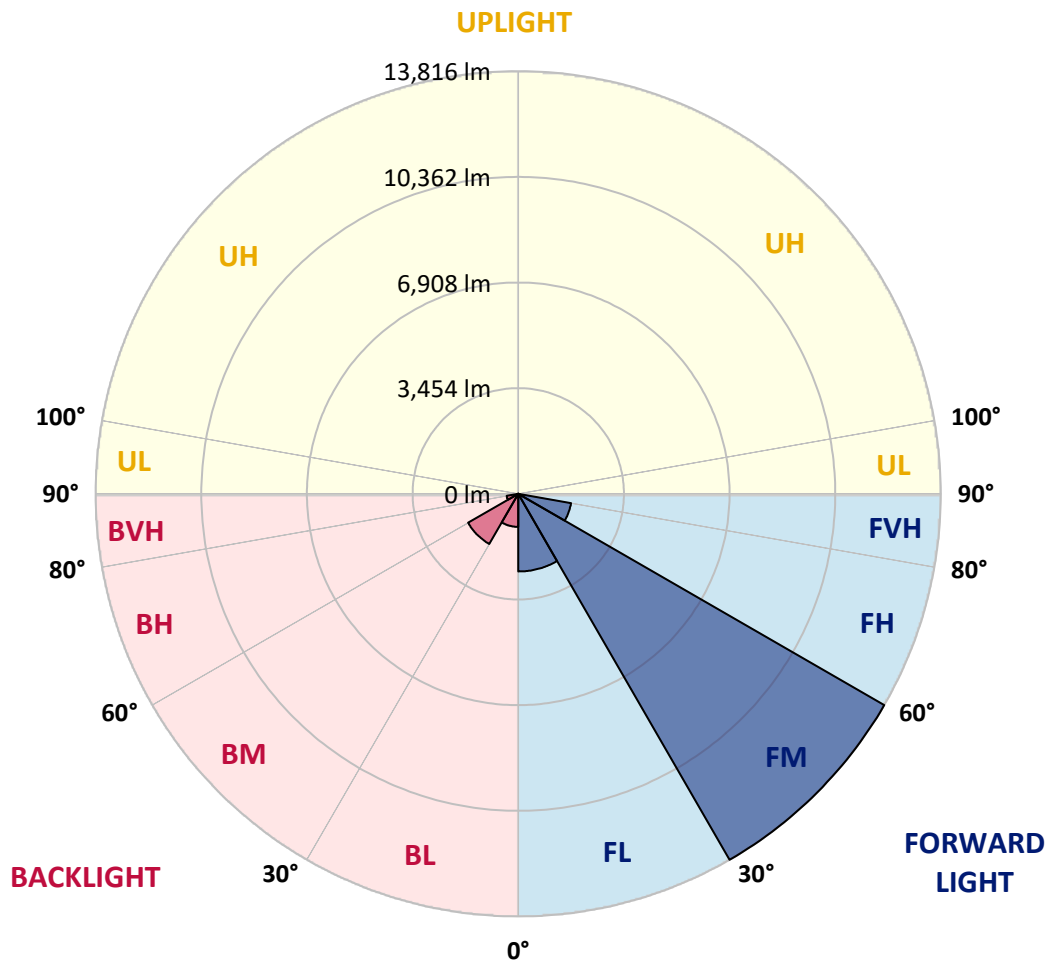
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2538.7	11.8			
FM (30°-60°)	13816.3	64.2			
FH (60°-80°)	1752.7	8.2			G1/1800
FVH (80°-90°)	18.1	0.1			G1/100
BL (0°-30°)	1080.7	5.0	B3/2500		
BM (30°-60°)	1893.3	8.8	B2/2500		
BH (60°-80°)	385.4	1.8	B1/500		G1/500
BVH (80°-90°)	18.8	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°	3579.4	3579.4	3579.4	3579.4	3579.4	3579.4	3579.4	3579.4	3579.4	3579.4	3579.4
2.5°	4122.4	4027.3	4031.3	4023.3	4011.4	3967.8	3837.0	3817.2	3730.0	3706.2	3626.9
5°	4617.9	4534.7	4582.2	4510.9	4443.5	4403.9	4189.8	4090.7	3952.0	3900.4	3789.5
7.5°	4927.1	4887.4	4871.6	4875.6	4812.1	4713.0	4617.9	4399.9	4213.6	4174.0	3940.1
10°	5077.7	5053.9	5077.7	5065.8	5093.6	5105.5	4939.0	4808.2	4534.7	4467.3	4102.6
12.5°	5113.4	5161.0	5180.8	5232.3	5299.7	5414.6	5402.8	5224.4	4859.7	4816.1	4352.3
15°	5200.6	5240.2	5220.4	5303.7	5430.5	5624.7	5727.8	5700.0	5307.6	5228.3	4641.7
17.5°	5279.9	5208.5	5275.9	5442.4	5569.2	5866.5	6116.2	6231.2	5795.2	5704.0	4907.3
20°	5386.9	5367.1	5355.2	5438.4	5664.4	6060.8	6556.2	6766.3	6342.2	6247.1	5287.8
22.5°	5711.9	5715.9	5708.0	5585.1	5747.6	6195.5	6940.7	7460.0	6996.2	6917.0	5719.9
25°	6140.0	6088.5	6048.9	5949.8	5929.9	6318.4	7329.2	8308.3	7781.1	7725.6	6187.6
27.5°	6591.9	6591.9	6473.0	6381.8	6255.0	6623.6	7685.9	9132.8	8728.4	8653.1	6595.9
30°	7083.4	7111.2	7095.3	6901.1	6821.8	6956.6	8050.6	10187.1	9814.5	9719.4	7269.7
32.5°	7808.8	7749.4	7816.7	7654.2	7420.4	7539.3	8625.4	11130.5	11225.7	11090.9	8153.7
35°	8768.1	8732.4	8688.8	8423.2	8145.7	8240.9	9438.0	12292.0	12997.5	12930.1	9045.5
37.5°	9628.2	9608.4	9572.7	9390.4	9069.3	9184.3	10361.6	13500.9	14725.8	14503.8	10306.1
40°	10532.0	10639.0	10524.1	10361.6	10068.2	10321.9	11447.7	14218.4	16180.5	15911.0	11269.3
42.5°	11756.8	11673.6	11725.1	11427.8	11269.3	11546.7	12537.7	14935.9	17310.2	16989.1	12292.0
45°	13060.9	13064.9	12926.2	12831.0	12418.8	12720.1	13207.6	15332.2	18210.0	17960.3	13064.9
47.5°	13897.3	13893.4	14044.0	14194.6	13770.5	13473.2	13663.5	15708.8	18673.8	18558.8	13346.3
50°	13766.5	13806.2	14000.4	14563.3	14785.2	14384.9	14091.6	15597.8	18883.9	18872.0	13588.1
52.5°	11974.8	12105.7	12430.7	13243.3	14361.1	14856.6	14539.5	15803.9	18986.9	19006.7	13948.9
55°	9116.9	9188.2	9806.6	10793.6	12030.3	13726.9	14361.1	15966.5	19066.2	19101.9	14384.9
56°	7907.9	7717.7	8609.5	9311.1	10789.6	12644.7	13909.2	15839.6	19018.6	19292.1	14602.9
57.5°	5969.6	5842.7	6564.2	7440.2	8863.2	10821.4	12506.0	15241.1	18697.6	18693.6	14289.7
60°	3630.9	3504.1	4059.0	4574.3	5371.0	6663.3	8451.0	12137.4	15807.9	16140.9	11570.5
62.5°	2160.3	2239.6	2786.6	3099.7	3357.4	3492.2	4372.1	7214.2	10547.9	10785.7	7178.6
65°	1438.9	1466.6	1878.9	2394.2	2509.1	1997.8	1779.8	2921.4	4574.3	4427.6	2961.0
67.5°	887.9	951.3	1260.5	1799.6	1993.8	1458.7	844.3	1090.1	1260.5	1260.5	856.2
70°	539.1	570.8	840.3	1224.8	1367.5	939.4	614.4	614.4	606.5	594.6	511.3
72.5°	257.7	277.5	428.1	630.3	642.1	495.5	475.7	519.3	507.4	503.4	424.1
75°	111.0	118.9	150.6	198.2	225.9	210.1	289.4	372.6	384.5	372.6	305.2
77.5°	35.7	39.6	55.5	71.3	75.3	91.2	122.9	154.6	178.4	166.5	150.6
80°	4.0	7.9	15.9	35.7	55.5	71.3	91.2	103.1	115.0	115.0	107.0
82.5°	4.0	4.0	15.9	31.7	51.5	67.4	87.2	99.1	115.0	118.9	111.0
85°	0.0	4.0	11.9	27.7	43.6	43.6	39.6	39.6	27.7	27.7	27.7
87.5°	0.0	0.0	4.0	4.0	4.0	7.9	7.9	7.9	7.9	7.9	7.9
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°	3579.4	3579.4	3579.4	3579.4	3579.4	3579.4	3579.4	3579.4	3579.4	3579.4	3579.4
2.5°	3611.1	3603.2	3496.1	3428.7	3393.1	3321.7	3278.1	3246.4	3222.6	3194.9	3198.8
5°	3658.7	3630.9	3452.5	3329.6	3183.0	3103.7	3036.3	2980.8	2945.2	2937.2	2921.4
7.5°	3793.4	3646.8	3377.2	3155.2	2968.9	2889.7	2830.2	2794.5	2810.4	2774.7	2802.5
10°	3896.5	3678.5	3286.0	2965.0	2778.7	2719.2	2687.5	2715.2	2754.9	2739.0	2719.2
12.5°	4023.3	3710.2	3139.4	2782.6	2608.2	2564.6	2620.1	2671.6	2750.9	2782.6	2743.0
15°	4166.0	3745.9	2953.1	2572.6	2461.6	2497.2	2592.4	2683.5	2762.8	2802.5	2826.2
17.5°	4340.4	3734.0	2770.7	2406.1	2322.8	2425.9	2540.8	2624.1	2743.0	2802.5	2786.6
20°	4503.0	3694.3	2568.6	2239.6	2243.5	2338.7	2433.8	2568.6	2632.0	2711.3	2683.5
22.5°	4657.5	3623.0	2358.5	2124.6	2124.6	2271.3	2318.9	2406.1	2461.6	2501.2	2497.2
25°	4875.6	3488.2	2184.1	2013.6	2061.2	2156.3	2196.0	2223.7	2199.9	2231.7	2235.6
27.5°	5030.1	3349.5	2041.4	1914.5	2001.8	2073.1	2061.2	2045.4	1989.9	1946.3	1974.0
30°	5196.6	3187.0	1918.5	1847.2	1894.7	1958.2	1910.6	1863.0	1775.8	1704.5	1708.4
32.5°	5434.5	3111.6	1811.5	1767.9	1831.3	1839.2	1787.7	1716.4	1629.1	1561.8	1557.8
35°	5878.4	3064.1	1720.3	1716.4	1728.2	1732.2	1680.7	1593.5	1557.8	1502.3	1522.1
37.5°	6322.4	3040.3	1656.9	1641.0	1637.1	1641.0	1581.6	1498.3	1565.7	1561.8	1569.7
40°	6889.2	3147.3	1565.7	1545.9	1549.9	1549.9	1474.6	1450.8	1569.7	1581.6	1585.5
42.5°	7464.0	3282.1	1506.3	1442.8	1458.7	1458.7	1419.1	1391.3	1474.6	1395.3	1383.4
45°	7963.4	3480.3	1442.8	1339.8	1379.4	1399.2	1387.4	1339.8	1288.3	1153.5	1153.5
47.5°	8125.9	3654.7	1367.5	1240.7	1272.4	1359.6	1323.9	1224.8	1133.7	1022.7	1014.8
50°	8411.3	3845.0	1308.1	1125.7	1193.1	1300.1	1264.5	1165.4	1062.3	983.0	987.0
52.5°	8704.7	4063.0	1197.1	991.0	1074.2	1252.6	1252.6	1141.6	983.0	927.5	919.6
55°	9144.6	4055.0	998.9	812.6	959.3	1181.2	1201.1	1022.7	880.0	836.4	836.4
56°	9208.1	3872.7	899.8	761.1	907.7	1161.4	1165.4	991.0	840.3	792.8	792.8
57.5°	8732.4	3496.1	788.8	697.6	844.3	1125.7	1129.7	963.2	808.6	741.2	733.3
60°	6718.8	2366.4	658.0	622.3	765.0	1014.8	1034.6	876.0	709.5	658.0	654.0
62.5°	3793.4	1312.0	578.7	562.9	658.0	864.1	923.6	765.0	602.5	574.8	582.7
65°	1732.2	721.4	487.6	455.8	531.2	665.9	745.2	630.3	495.5	463.8	463.8
67.5°	634.2	491.5	416.2	360.7	372.6	432.1	483.6	408.3	329.0	281.4	293.3
70°	451.9	412.2	364.7	313.1	289.4	281.4	277.5	229.9	162.5	126.8	134.8
72.5°	364.7	340.9	305.2	265.6	225.9	190.3	162.5	118.9	75.3	51.5	47.6
75°	261.6	249.7	222.0	190.3	158.6	134.8	111.0	75.3	39.6	19.8	19.8
77.5°	134.8	134.8	130.8	118.9	99.1	79.3	63.4	43.6	23.8	7.9	7.9
80°	103.1	111.0	115.0	103.1	91.2	71.3	51.5	31.7	15.9	4.0	4.0
82.5°	99.1	115.0	122.9	107.0	91.2	67.4	51.5	31.7	15.9	4.0	4.0
85°	23.8	23.8	35.7	39.6	51.5	55.5	43.6	27.7	11.9	4.0	4.0
87.5°	7.9	7.9	7.9	7.9	7.9	7.9	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)