

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: P529851

Luminaire Tested: **GLAN-SA5A-735-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529851
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-SA5A-735-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 615mA 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: 12585 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

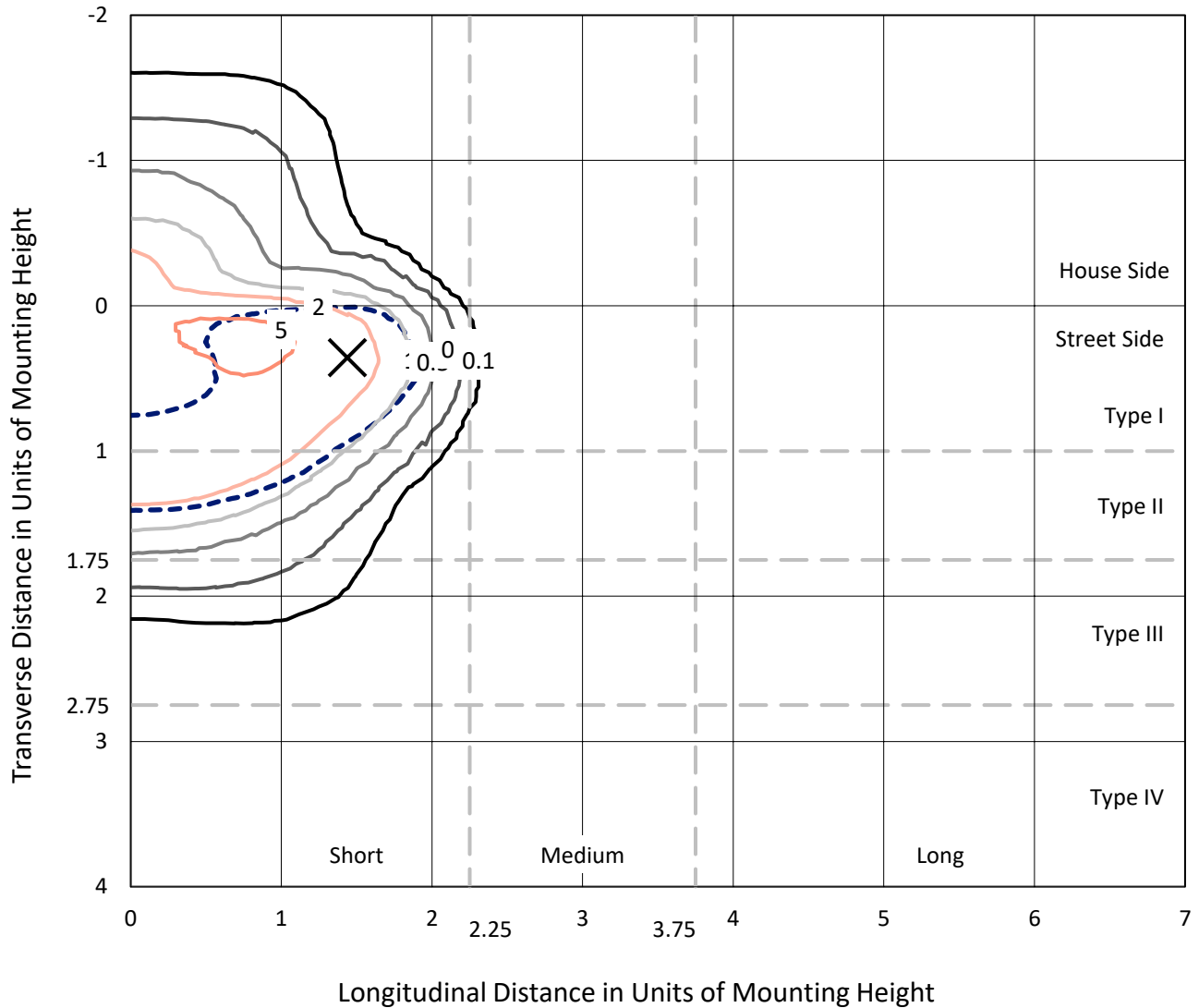
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

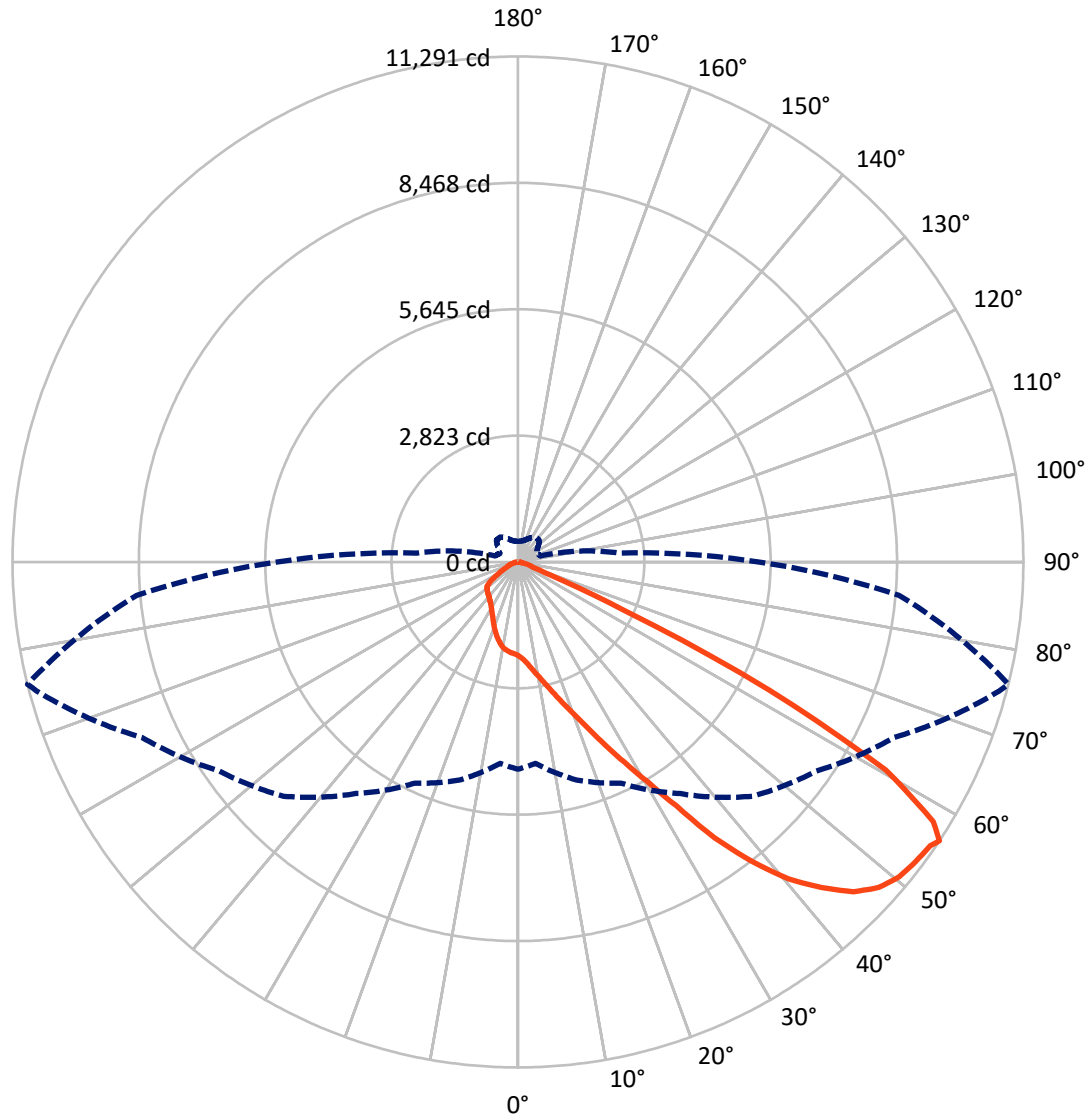
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	1977.0	0.0	1977.0
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	10608.0	0.0	10608.0
	% Fixture	84.3	0.0	84.3
Total	Lumens	12585.0	0.0	12585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	1.7
10°-20°	677.9	5.4
20°-30°	1229.3	9.8
30°-40°	2119.9	16.8
40°-50°	3443.9	27.4
50°-60°	3630.0	28.8
60°-70°	1109.1	8.8
70°-80°	142.2	1.1
80°-90°	21.6	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°	12585.0	100.0
0°-180°	12585.0	100.0

Coefficient of Utilization

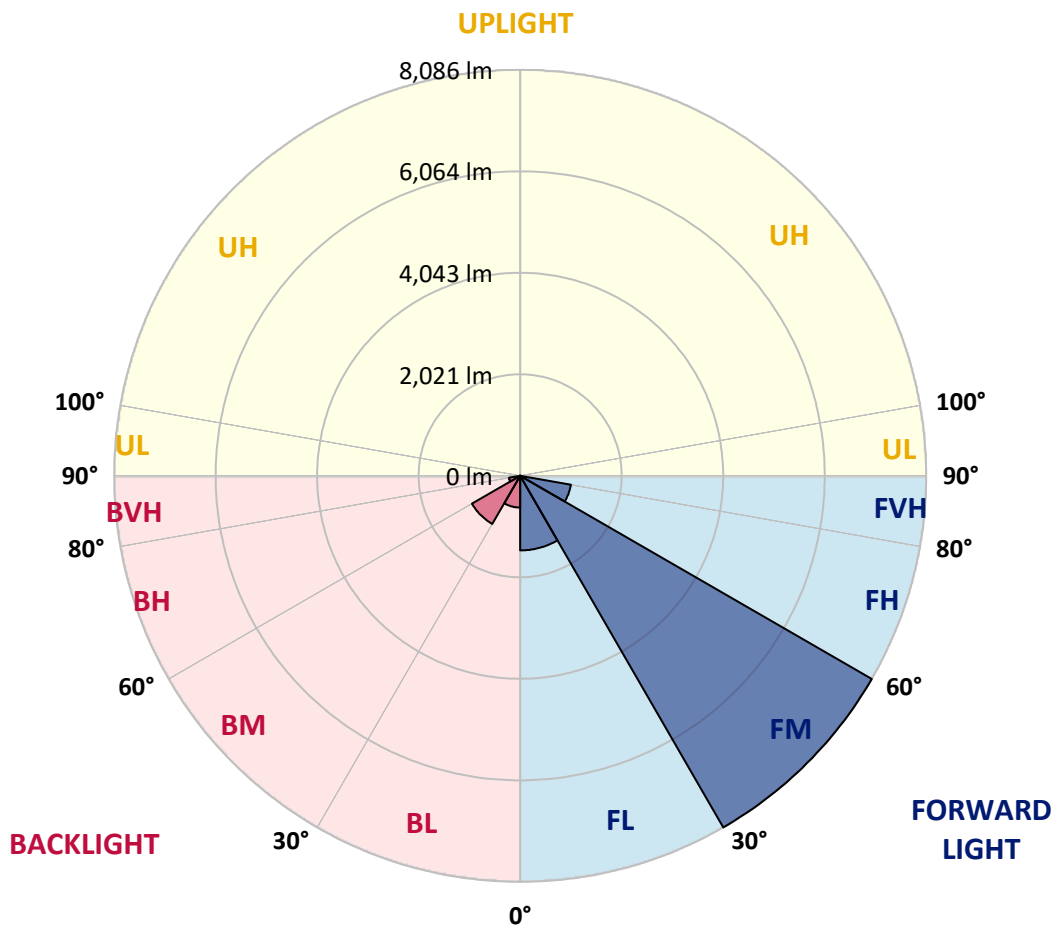


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1485.8	11.8			
FM (30°-60°)	8085.8	64.2			
FH (60°-80°)	1025.8	8.2			G1/1800
FVH (80°-90°)	10.6	0.1			G1/100
BL (0°-30°)	632.5	5.0	B2/1000		
BM (30°-60°)	1108.0	8.8	B2/2500		
BH (60°-80°)	225.6	1.8	B1/500		G1/500
BVH (80°-90°)	11.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2094.8	2094.8	2094.8	2094.8	2094.8	2094.8	2094.8	2094.8	2094.8	2094.8	2094.8
2.5°	2412.6	2356.9	2359.3	2354.6	2347.7	2322.1	2245.6	2234.0	2182.9	2169.0	2122.6
5°	2702.6	2653.9	2681.7	2639.9	2600.5	2577.3	2452.0	2394.0	2312.9	2282.7	2217.7
7.5°	2883.5	2860.3	2851.1	2853.4	2816.3	2758.3	2702.6	2575.0	2466.0	2442.8	2305.9
10°	2971.7	2957.8	2971.7	2964.7	2981.0	2987.9	2890.5	2813.9	2653.9	2614.4	2401.0
12.5°	2992.6	3020.4	3032.0	3062.2	3101.6	3168.9	3161.9	3057.5	2844.1	2818.6	2547.2
15°	3043.6	3066.8	3055.2	3103.9	3178.1	3291.8	3352.1	3335.9	3106.2	3059.8	2716.5
17.5°	3090.0	3048.2	3087.7	3185.1	3259.3	3433.3	3579.5	3646.7	3391.6	3338.2	2871.9
20°	3152.6	3141.0	3134.1	3182.8	3315.0	3547.0	3837.0	3959.9	3711.7	3656.0	3094.6
22.5°	3342.9	3345.2	3340.5	3268.6	3363.7	3625.9	4062.0	4365.9	4094.5	4048.1	3347.5
25°	3593.4	3563.2	3540.0	3482.0	3470.4	3697.8	4289.3	4862.3	4553.8	4521.3	3621.2
27.5°	3857.9	3857.9	3788.3	3734.9	3660.7	3876.4	4498.1	5344.9	5108.2	5064.2	3860.2
30°	4145.5	4161.7	4152.5	4038.8	3992.4	4071.3	4711.5	5961.9	5743.9	5688.2	4254.5
32.5°	4570.0	4535.2	4574.7	4479.6	4342.7	4412.3	5047.9	6514.0	6569.7	6490.8	4771.9
35°	5131.4	5110.6	5085.0	4929.6	4767.2	4822.9	5523.5	7193.7	7606.7	7567.2	5293.8
37.5°	5634.8	5623.2	5602.4	5495.6	5307.7	5375.0	6064.0	7901.3	8618.1	8488.2	6031.5
40°	6163.7	6226.4	6159.1	6064.0	5892.3	6040.8	6699.6	8321.2	9469.5	9311.7	6595.2
42.5°	6880.6	6831.9	6862.0	6688.0	6595.2	6757.6	7337.6	8741.1	10130.6	9942.7	7193.7
45°	7643.8	7646.1	7564.9	7509.2	7268.0	7444.3	7729.6	8973.0	10657.2	10511.1	7646.1
47.5°	8133.3	8130.9	8219.1	8307.3	8059.0	7885.0	7996.4	9193.4	10928.6	10861.4	7810.8
50°	8056.7	8079.9	8193.6	8523.0	8652.9	8418.6	8246.9	9128.5	11051.6	11044.6	7952.3
52.5°	7008.2	7084.7	7274.9	7750.5	8404.7	8694.7	8509.1	9249.1	11111.9	11123.5	8163.4
55°	5335.6	5377.3	5739.2	6316.9	7040.6	8033.5	8404.7	9344.2	11158.3	11179.2	8418.6
56°	4628.0	4516.7	5038.6	5449.2	6314.5	7400.2	8140.2	9270.0	11130.5	11290.5	8546.2
57.5°	3493.6	3419.4	3841.6	4354.3	5187.1	6333.1	7319.0	8919.7	10942.6	10940.2	8362.9
60°	2124.9	2050.7	2375.5	2677.1	3143.3	3899.6	4945.8	7103.3	9251.4	9446.3	6771.5
62.5°	1264.3	1310.7	1630.8	1814.1	1964.9	2043.8	2558.8	4222.1	6173.0	6312.2	4201.2
65°	842.1	858.3	1099.6	1401.2	1468.4	1169.2	1041.6	1709.7	2677.1	2591.2	1732.9
67.5°	519.6	556.8	737.7	1053.2	1166.9	853.7	494.1	637.9	737.7	737.7	501.1
70°	315.5	334.1	491.8	716.8	800.3	549.8	359.6	359.6	354.9	348.0	299.3
72.5°	150.8	162.4	250.5	368.9	375.8	290.0	278.4	303.9	296.9	294.6	248.2
75°	65.0	69.6	88.2	116.0	132.2	123.0	169.3	218.1	225.0	218.1	178.6
77.5°	20.9	23.2	32.5	41.8	44.1	53.4	71.9	90.5	104.4	97.4	88.2
80°	2.3	4.6	9.3	20.9	32.5	41.8	53.4	60.3	67.3	67.3	62.6
82.5°	2.3	2.3	9.3	18.6	30.2	39.4	51.0	58.0	67.3	69.6	65.0
85°	0.0	2.3	7.0	16.2	25.5	25.5	23.2	23.2	16.2	16.2	16.2
87.5°	0.0	0.0	2.3	2.3	2.3	4.6	4.6	4.6	4.6	4.6	4.6
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°	2094.8	2094.8	2094.8	2094.8	2094.8	2094.8	2094.8	2094.8	2094.8	2094.8	2094.8
2.5°	2113.4	2108.7	2046.1	2006.6	1985.8	1944.0	1918.5	1899.9	1886.0	1869.8	1872.1
5°	2141.2	2124.9	2020.6	1948.6	1862.8	1816.4	1777.0	1744.5	1723.6	1719.0	1709.7
7.5°	2220.1	2134.2	1976.5	1846.6	1737.5	1691.1	1656.3	1635.5	1644.7	1623.9	1640.1
10°	2280.4	2152.8	1923.1	1735.2	1626.2	1591.4	1572.8	1589.1	1612.3	1603.0	1591.4
12.5°	2354.6	2171.3	1837.3	1628.5	1526.4	1500.9	1533.4	1563.6	1610.0	1628.5	1605.3
15°	2438.1	2192.2	1728.3	1505.6	1440.6	1461.5	1517.2	1570.5	1616.9	1640.1	1654.0
17.5°	2540.2	2185.3	1621.6	1408.1	1359.4	1419.7	1487.0	1535.7	1605.3	1640.1	1630.8
20°	2635.3	2162.1	1503.2	1310.7	1313.0	1368.7	1424.4	1503.2	1540.4	1586.8	1570.5
22.5°	2725.8	2120.3	1380.3	1243.4	1243.4	1329.3	1357.1	1408.1	1440.6	1463.8	1461.5
25°	2853.4	2041.4	1278.2	1178.5	1206.3	1262.0	1285.2	1301.4	1287.5	1306.1	1308.4
27.5°	2943.8	1960.2	1194.7	1120.5	1171.5	1213.3	1206.3	1197.0	1164.5	1139.0	1155.3
30°	3041.3	1865.1	1122.8	1081.0	1108.9	1146.0	1118.2	1090.3	1039.3	997.5	999.8
32.5°	3180.5	1821.1	1060.2	1034.6	1071.8	1076.4	1046.2	1004.5	953.4	914.0	911.7
35°	3440.3	1793.2	1006.8	1004.5	1011.4	1013.8	983.6	932.6	911.7	879.2	890.8
37.5°	3700.1	1779.3	969.7	960.4	958.1	960.4	925.6	876.9	916.3	914.0	918.6
40°	4031.8	1841.9	916.3	904.7	907.0	907.0	863.0	849.1	918.6	925.6	927.9
42.5°	4368.2	1920.8	881.5	844.4	853.7	853.7	830.5	814.3	863.0	816.6	809.6
45°	4660.5	2036.8	844.4	784.1	807.3	818.9	811.9	784.1	753.9	675.1	675.1
47.5°	4755.6	2138.9	800.3	726.1	744.7	795.7	774.8	716.8	663.5	598.5	593.9
50°	4922.6	2250.2	765.5	658.8	698.3	760.9	740.0	682.0	621.7	575.3	577.6
52.5°	5094.3	2377.8	700.6	580.0	628.7	733.1	733.1	668.1	575.3	542.8	538.2
55°	5351.8	2373.2	584.6	475.6	561.4	691.3	702.9	598.5	515.0	489.5	489.5
56°	5388.9	2266.5	526.6	445.4	531.2	679.7	682.0	580.0	491.8	464.0	464.0
57.5°	5110.6	2046.1	461.6	408.3	494.1	658.8	661.1	563.7	473.2	433.8	429.2
60°	3932.1	1384.9	385.1	364.2	447.7	593.9	605.5	512.7	415.2	385.1	382.8
62.5°	2220.1	767.9	338.7	329.4	385.1	505.7	540.5	447.7	352.6	336.4	341.0
65°	1013.8	422.2	285.3	266.8	310.9	389.7	436.1	368.9	290.0	271.4	271.4
67.5°	371.2	287.7	243.6	211.1	218.1	252.9	283.0	238.9	192.5	164.7	171.7
70°	264.5	241.3	213.4	183.3	169.3	164.7	162.4	134.5	95.1	74.2	78.9
72.5°	213.4	199.5	178.6	155.4	132.2	111.4	95.1	69.6	44.1	30.2	27.8
75°	153.1	146.1	129.9	111.4	92.8	78.9	65.0	44.1	23.2	11.6	11.6
77.5°	78.9	78.9	76.6	69.6	58.0	46.4	37.1	25.5	13.9	4.6	4.6
80°	60.3	65.0	67.3	60.3	53.4	41.8	30.2	18.6	9.3	2.3	2.3
82.5°	58.0	67.3	71.9	62.6	53.4	39.4	30.2	18.6	9.3	2.3	2.3
85°	13.9	13.9	20.9	23.2	30.2	32.5	25.5	16.2	7.0	2.3	2.3
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	2.3	2.3	2.3	2.3	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)