

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: P450850

Luminaire Tested: **GLAN-SA1C-830-U-T3**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1C-830-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5606 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

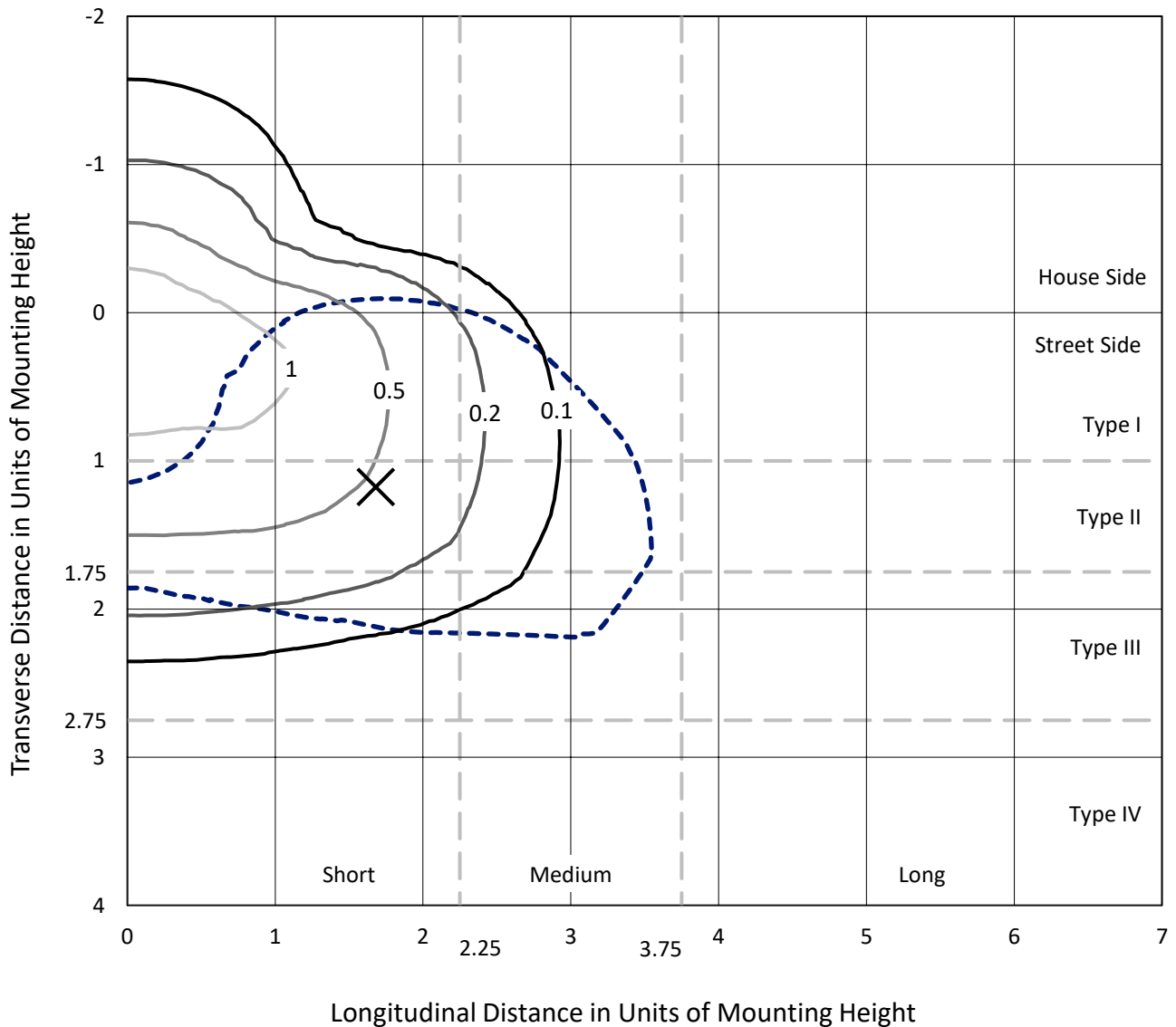
Input Watts (W): 57
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

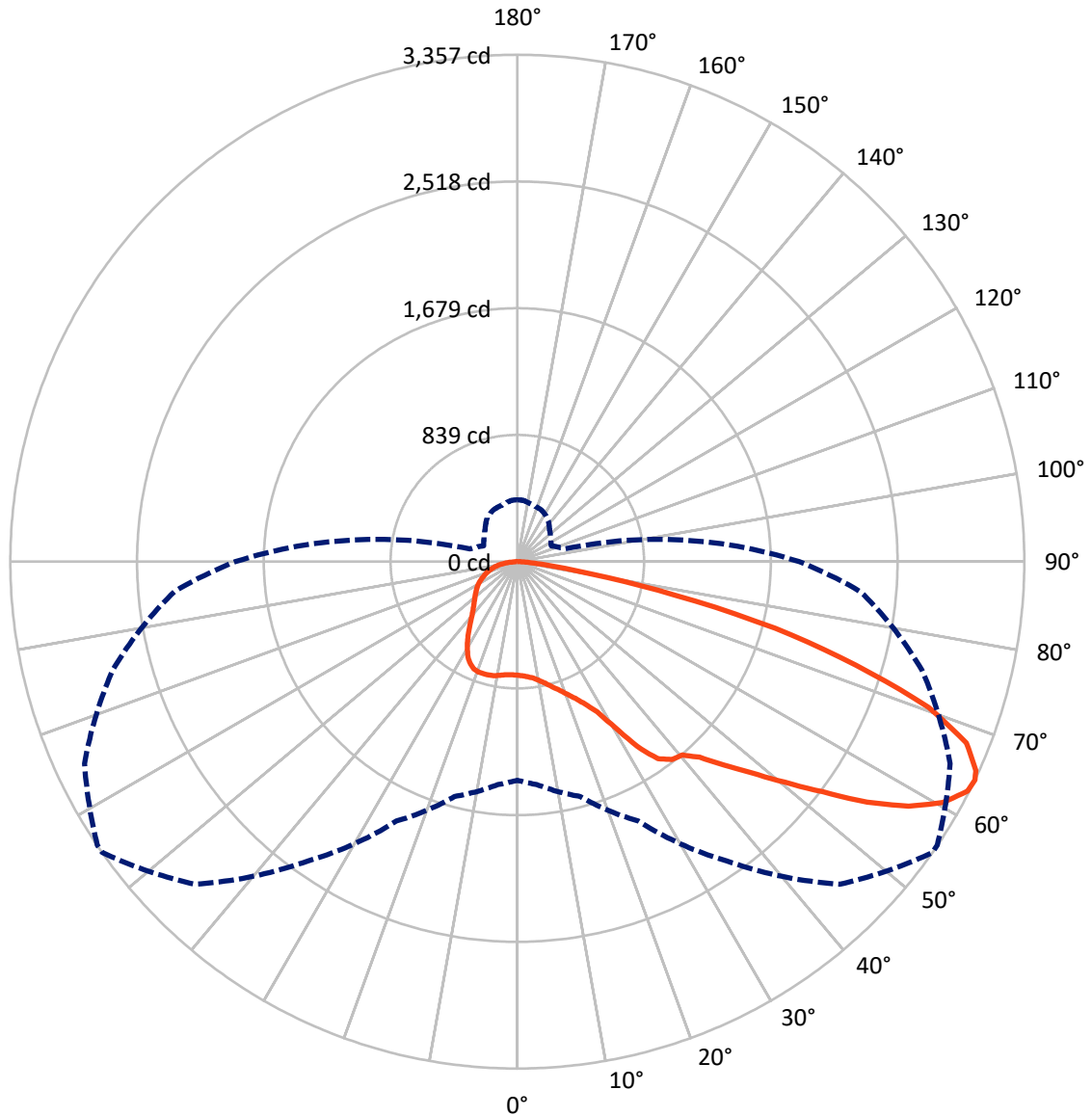
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1361.8	0.0	1361.8
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	4244.2	0.0	4244.2
	% Fixture	75.7	0.0	75.7
Total	Lumens	5606.0	0.0	5606.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	1.3
10°-20°	230.9	4.1
20°-30°	411.0	7.3
30°-40°	632.3	11.3
40°-50°	896.4	16.0
50°-60°	1297.5	23.1
60°-70°	1342.8	24.0
70°-80°	628.8	11.2
80°-90°	93.1	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°	5606.0	100.0
0°-180°	5606.0	100.0

Coefficient of Utilization



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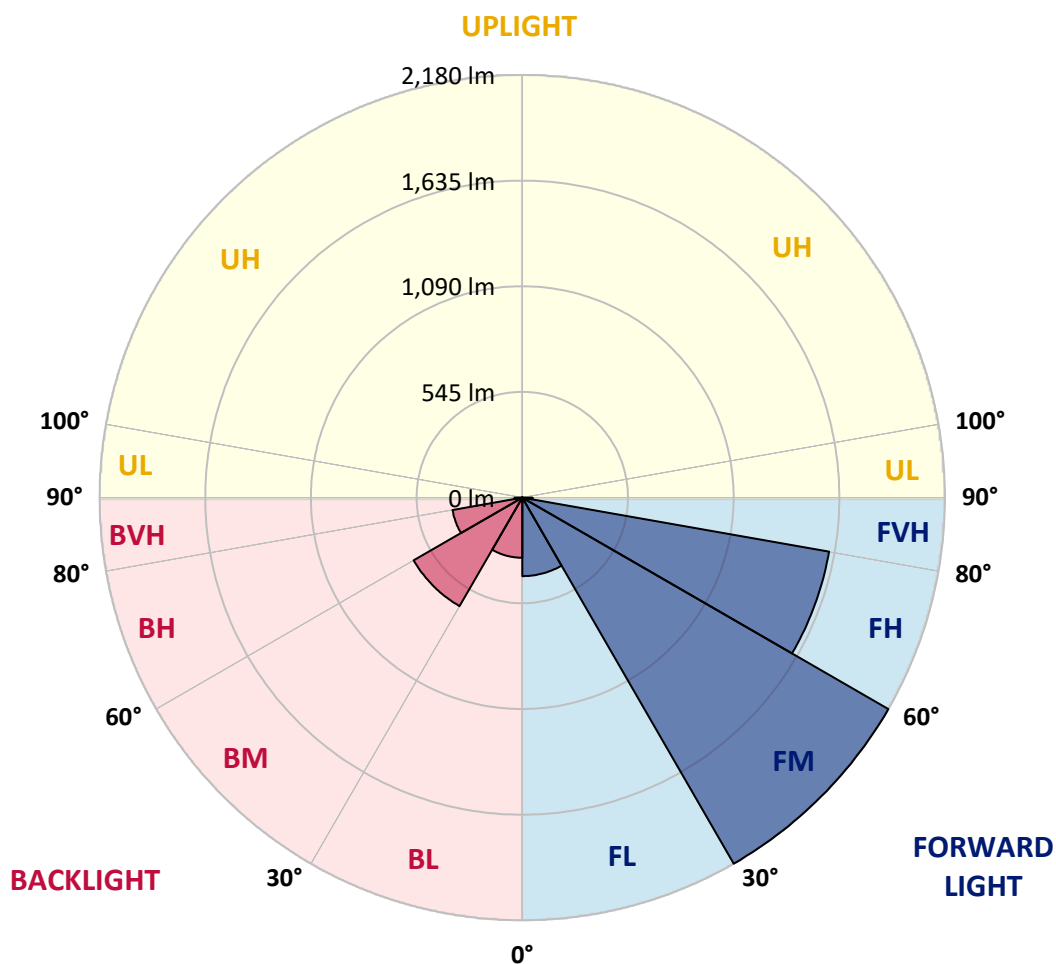
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	404.8	7.2			
FM	(30°-60°)	2179.8	38.9			
FH	(60°-80°)	1606.3	28.7			G1/1800
FVH	(80°-90°)	53.3	1.0			G1/100
BL	(0°-30°)	310.2	5.5	B1/500		
BM	(30°-60°)	646.5	11.5	B1/1000		
BH	(60°-80°)	365.3	6.5	B1/500		G1/500
BVH	(80°-90°)	39.8	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2
2.5°	760.6	760.3	761.2	760.3	760.9	758.7	757.8	758.4	757.5	755.9	753.1
5°	770.0	769.7	770.0	768.7	769.3	768.1	765.9	766.5	765.0	761.5	757.5
7.5°	785.9	784.7	784.7	784.3	783.1	781.2	779.7	779.0	777.5	773.1	766.8
10°	806.5	806.5	806.8	804.3	805.9	802.5	800.9	800.6	795.3	789.7	780.9
12.5°	833.7	835.3	834.3	833.1	832.5	831.2	825.9	827.2	821.2	811.5	800.9
15°	867.5	870.0	868.4	867.8	866.2	861.5	859.3	858.4	850.6	836.5	822.5
17.5°	912.1	909.0	907.8	906.2	899.6	896.2	892.5	891.8	885.0	868.4	846.5
20°	951.2	955.6	953.1	951.5	945.0	938.4	935.6	934.6	928.7	910.6	875.6
22.5°	997.8	998.7	999.6	995.9	992.8	987.8	982.8	981.2	979.0	960.3	917.5
25°	1047.5	1051.2	1048.1	1044.3	1040.6	1040.3	1045.0	1044.3	1043.4	1025.3	973.1
27.5°	1128.4	1131.8	1132.8	1128.7	1114.3	1115.6	1126.2	1129.6	1144.0	1114.0	1044.6
30°	1174.0	1177.5	1185.3	1200.6	1223.4	1243.4	1269.0	1276.8	1290.6	1234.0	1129.6
32.5°	1202.1	1203.4	1217.4	1245.9	1314.3	1389.0	1458.7	1461.5	1470.3	1390.9	1207.4
35°	1246.5	1247.4	1258.7	1289.9	1370.3	1494.6	1602.4	1605.9	1598.7	1439.6	1243.7
37.5°	1301.2	1303.7	1310.9	1336.8	1432.8	1583.1	1662.1	1659.6	1595.9	1478.4	1307.8
40°	1380.9	1380.9	1372.4	1407.4	1498.7	1633.7	1683.1	1678.7	1661.8	1590.6	1405.3
42.5°	1451.2	1449.9	1469.9	1493.7	1581.2	1711.8	1770.9	1778.1	1805.9	1731.5	1516.2
45°	1542.7	1548.4	1559.6	1602.7	1721.5	1845.2	1921.5	1928.4	1967.7	1897.4	1645.9
47.5°	1635.2	1637.1	1672.4	1729.9	1895.2	2026.2	2088.7	2099.9	2135.8	2091.5	1785.6
50°	1700.9	1718.7	1775.2	1865.9	2074.3	2246.8	2295.5	2309.0	2372.4	2302.7	1948.4
52.5°	1770.2	1787.7	1856.8	1994.9	2279.9	2472.4	2532.4	2541.5	2607.4	2516.5	2114.9
55°	1829.6	1845.9	1924.3	2109.3	2443.6	2702.7	2811.4	2800.8	2832.4	2681.1	2243.3
57.5°	1839.3	1852.4	1951.2	2182.4	2566.8	2900.2	3056.1	3062.4	3025.8	2804.3	2349.3
60°	1764.3	1791.2	1904.6	2174.6	2622.1	3037.7	3238.6	3243.0	3139.2	2867.4	2391.5
62.5°	1631.5	1628.7	1765.9	2049.0	2544.6	3068.9	3346.1	3341.4	3183.6	2837.1	2350.5
64°	1448.1	1481.8	1609.9	1894.6	2419.6	3020.8	3357.4	3354.9	3162.4	2773.9	2280.8
65°	1336.2	1334.3	1460.9	1768.4	2295.2	2948.3	3337.4	3333.9	3118.0	2717.4	2226.8
67.5°	964.6	969.0	1094.0	1364.6	1865.9	2664.9	3207.1	3194.2	2943.0	2529.9	2021.2
70°	584.4	586.9	685.0	905.3	1339.3	2154.3	2890.8	2891.4	2675.2	2249.9	1720.2
72.5°	307.8	314.4	353.7	514.0	813.4	1511.5	2345.2	2400.8	2296.8	1920.2	1359.0
75°	171.2	172.2	200.0	253.4	415.0	845.9	1762.7	1778.7	1818.4	1545.6	1005.0
77.5°	130.6	132.5	141.2	163.7	225.9	392.2	1066.8	1146.8	1281.5	1089.6	573.4
80°	105.9	107.8	115.3	128.7	150.3	185.9	495.6	538.7	685.9	483.7	223.7
82.5°	82.5	81.2	90.9	99.7	109.4	110.0	203.4	225.0	279.4	208.1	96.9
85°	61.2	61.2	69.1	67.2	70.6	64.4	89.7	99.1	111.9	88.4	45.0
87.5°	24.4	26.9	45.3	40.6	31.6	25.3	33.1	35.0	38.7	34.7	18.7
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°	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2
2.5°	753.4	754.3	752.2	750.6	750.0	749.0	748.1	748.4	749.7	750.9	750.6
5°	757.2	757.5	753.7	751.8	750.6	749.3	749.3	750.3	752.8	754.7	754.7
7.5°	766.5	766.5	761.2	757.8	755.9	753.7	753.1	753.4	755.3	757.8	758.1
10°	781.2	780.0	773.1	767.8	764.3	759.0	754.3	751.8	752.8	754.3	754.3
12.5°	799.0	795.6	786.8	779.7	771.2	761.2	751.5	746.5	746.2	747.8	747.2
15°	818.1	814.3	802.2	789.0	774.3	759.7	748.1	740.9	735.3	733.7	737.2
17.5°	840.3	832.5	815.6	797.5	775.6	756.5	738.4	723.7	713.7	710.9	711.8
20°	867.2	856.8	834.0	805.6	774.7	745.3	717.2	697.5	681.2	676.2	676.8
22.5°	904.3	886.5	853.1	809.7	766.8	724.0	685.0	659.3	639.7	631.8	636.5
25°	946.5	927.1	871.2	808.7	746.5	690.0	646.8	613.4	595.6	584.0	586.5
27.5°	1004.6	970.3	890.6	800.3	717.5	648.4	598.4	566.9	550.6	544.7	547.5
30°	1079.0	1026.2	911.5	777.5	671.5	595.9	549.7	529.0	519.4	511.9	514.4
32.5°	1132.8	1065.6	916.2	739.0	621.8	548.1	516.5	501.2	490.6	483.4	485.0
35°	1171.2	1099.0	914.0	691.8	570.0	508.7	490.3	477.8	460.6	445.0	442.2
37.5°	1222.8	1140.9	898.1	640.3	518.7	482.2	469.0	445.9	421.2	400.3	399.4
40°	1301.8	1190.0	864.0	579.7	475.0	462.5	446.5	416.5	390.0	373.1	371.9
42.5°	1383.4	1235.3	817.8	515.9	439.0	441.9	422.5	392.8	376.5	365.6	364.4
45°	1483.1	1284.3	767.8	460.6	412.5	422.5	401.5	384.4	374.7	367.5	365.6
47.5°	1590.9	1334.6	711.5	410.9	390.0	404.7	392.8	385.0	379.7	374.7	372.5
50°	1707.1	1390.9	658.7	370.9	369.7	386.2	391.9	389.0	385.9	384.4	382.5
52.5°	1834.6	1448.4	614.3	342.8	351.9	373.1	392.2	394.4	394.4	393.4	392.2
55°	1920.9	1488.4	569.4	320.0	333.7	362.5	391.5	400.0	403.1	401.9	400.6
57.5°	1984.6	1510.2	512.8	300.3	318.4	352.2	388.1	400.6	403.7	405.3	404.7
60°	1997.7	1489.9	438.7	279.7	301.9	337.2	375.6	391.2	395.3	405.0	405.9
62.5°	1938.7	1427.4	365.0	259.4	281.6	314.4	358.7	380.6	388.7	403.7	405.3
64°	1866.2	1357.4	324.0	246.6	268.4	301.5	350.3	377.8	388.4	408.4	409.7
65°	1813.0	1306.5	298.4	238.4	260.0	293.1	345.6	378.7	391.2	415.6	417.5
67.5°	1617.4	1131.2	246.9	219.4	240.0	278.7	346.5	386.5	390.6	418.4	418.1
70°	1338.4	900.6	206.9	201.9	220.6	267.2	342.8	374.0	374.4	392.8	388.4
72.5°	1002.1	665.6	179.4	183.7	199.1	239.7	323.7	357.2	351.9	354.4	350.0
75°	688.4	440.3	154.4	164.4	176.6	211.9	296.9	324.4	315.9	312.8	309.7
77.5°	367.5	243.4	128.4	145.3	153.4	183.1	259.1	285.6	276.9	264.7	260.6
80°	148.7	114.7	103.4	120.3	125.0	147.5	215.6	232.2	225.6	204.4	197.5
82.5°	74.7	68.7	81.2	94.7	95.0	105.3	160.3	175.9	161.2	135.3	129.4
85°	39.1	40.3	55.9	66.6	58.7	56.9	96.2	106.6	97.8	85.0	76.6
87.5°	14.1	16.2	29.4	29.1	20.6	10.9	21.2	10.3	5.6	3.4	4.4
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)