

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P386035

Luminaire Tested: GAW-SA1C-827-U-T3

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-827-U-T3
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5555 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

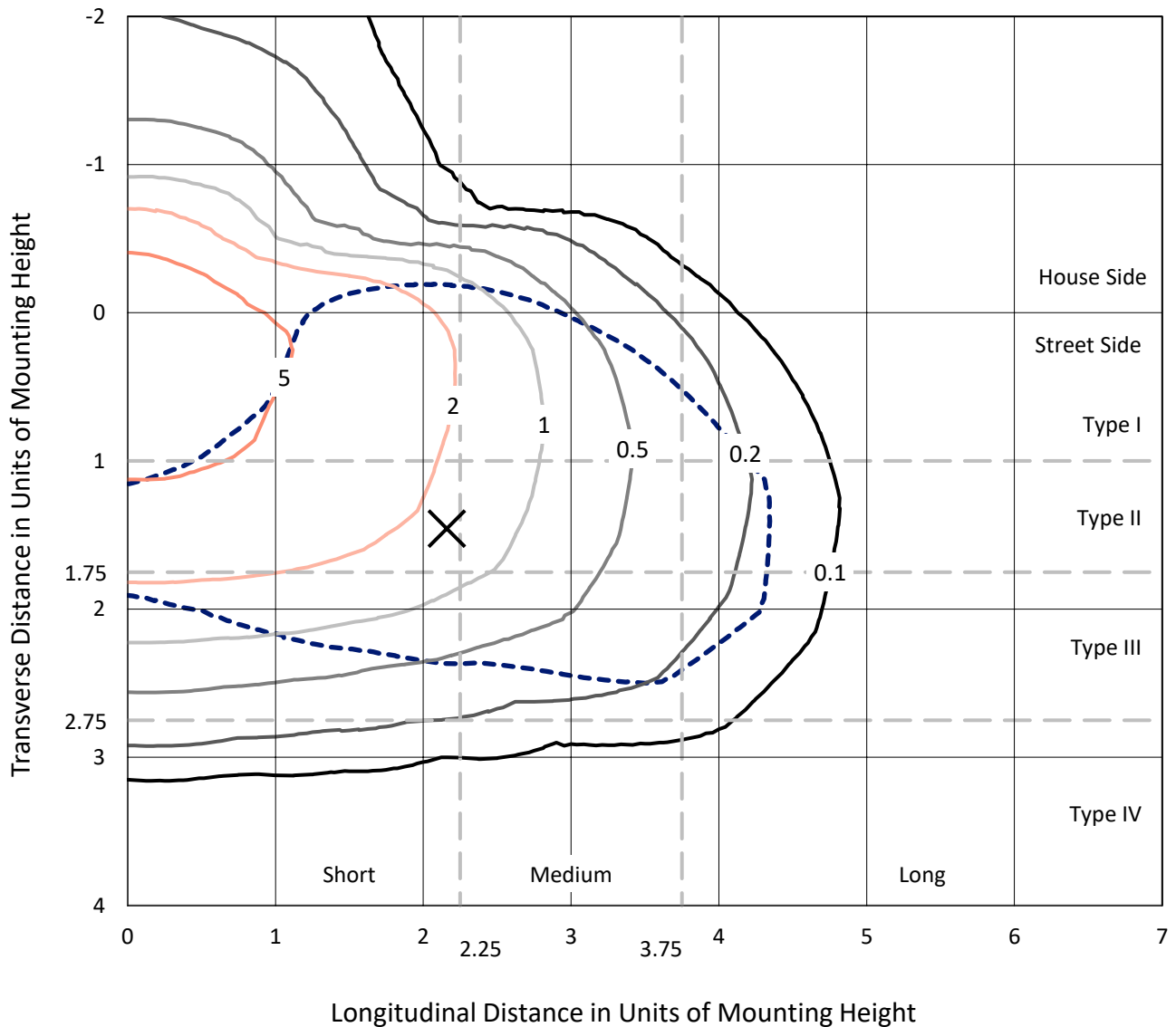
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

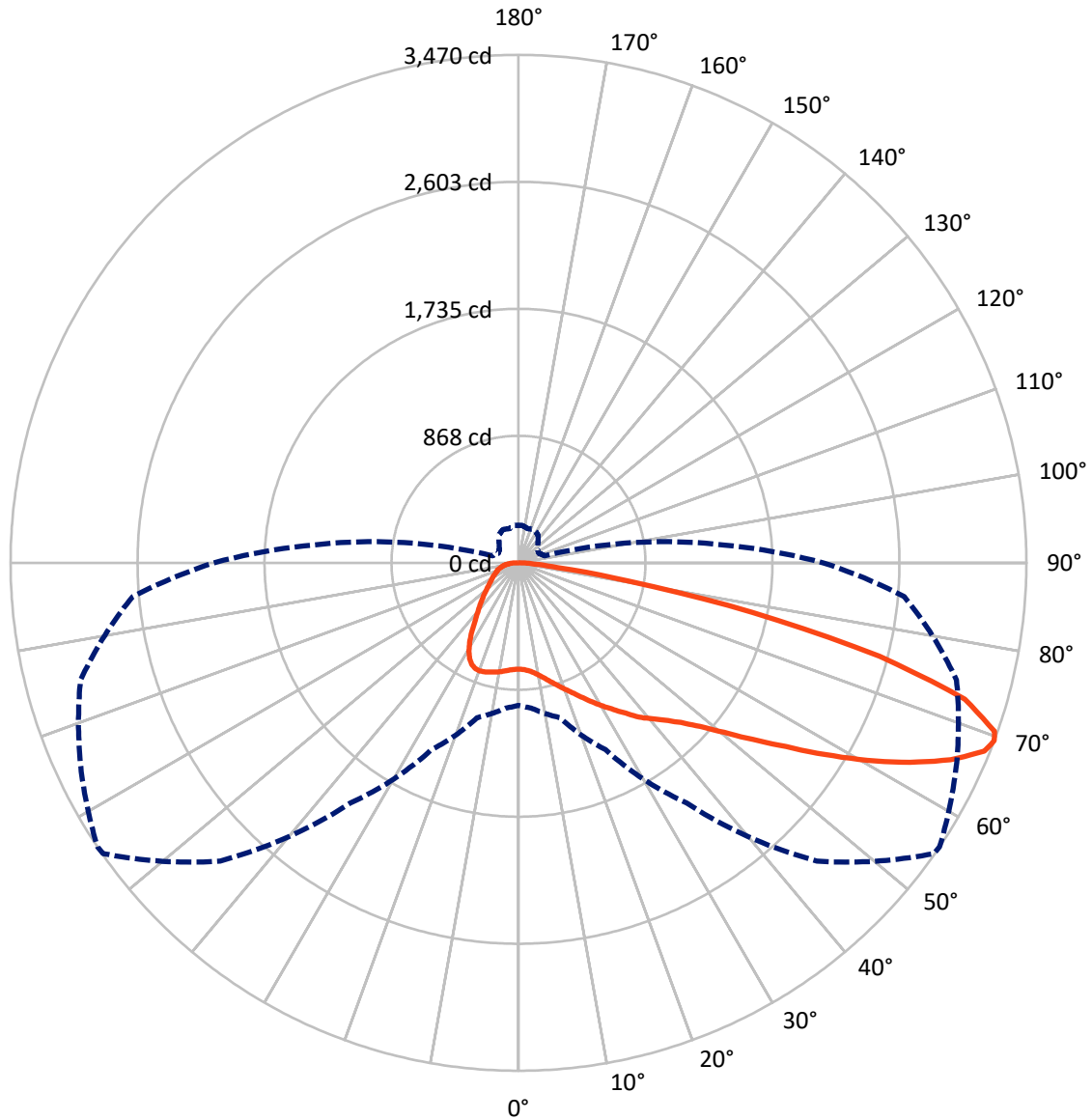
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1237.1	0.0	1237.1
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	4317.9	0.0	4317.9
	% Fixture	77.7	0.0	77.7
Total	Lumens	5555.0	0.0	5555.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	1.3
10°-20°	229.4	4.1
20°-30°	400.4	7.2
30°-40°	575.1	10.4
40°-50°	795.9	14.3
50°-60°	1166.2	21.0
60°-70°	1421.8	25.6
70°-80°	786.0	14.2
80°-90°	108.9	2.0
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°	5555.0	100.0
0°-180°	5555.0	100.0

Coefficient of Utilization

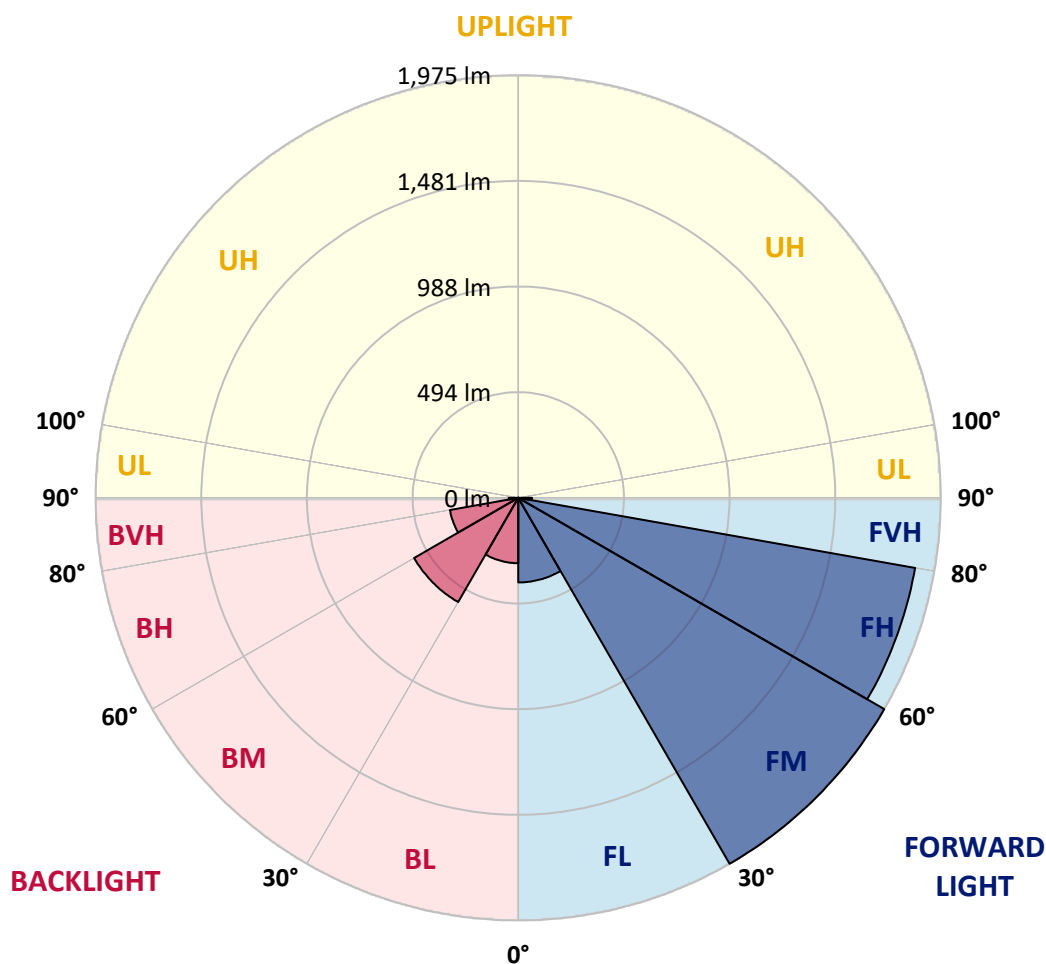


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.4	7.1			
FM (30°-60°)	1975.0	35.6			
FH (60°-80°)	1883.4	33.9			G2/5000
FVH (80°-90°)	64.1	1.2			G1/100
BL (0°-30°)	305.7	5.5	B1/500		
BM (30°-60°)	562.2	10.1	B1/1000		
BH (60°-80°)	324.4	5.8	B1/500		G1/500
BVH (80°-90°)	44.7	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





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CATALOG NUMBER: GAW-SA1C-827-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2
2.5°	730.8	731.6	731.0	732.5	730.8	732.0	731.0	731.0	730.4	728.7	726.8
5°	742.3	743.8	742.9	744.4	742.3	742.7	741.0	741.0	739.2	735.6	731.8
7.5°	760.3	762.0	761.3	762.8	759.9	759.9	757.6	757.4	754.0	748.0	743.6
10°	781.7	784.0	783.3	785.6	783.3	784.0	781.7	781.7	777.1	768.7	763.2
12.5°	812.9	815.8	813.7	813.5	812.5	814.1	812.2	811.8	807.6	796.1	788.4
15°	854.6	857.7	853.3	852.9	847.6	847.0	847.0	846.4	843.7	830.0	817.3
17.5°	902.7	903.6	899.8	893.7	886.8	882.4	881.8	883.3	883.3	867.3	847.2
20°	949.7	951.5	948.4	941.5	932.7	926.2	921.6	924.7	924.5	905.4	876.8
22.5°	1001.0	1005.1	1000.5	991.7	981.3	974.1	966.0	968.7	968.9	945.3	905.9
25°	1067.4	1063.8	1060.9	1048.5	1033.8	1026.3	1018.8	1021.5	1020.7	988.4	936.0
27.5°	1126.2	1127.0	1123.1	1109.9	1092.9	1076.4	1076.0	1077.8	1074.9	1033.2	964.3
30°	1194.5	1194.9	1189.5	1177.7	1159.1	1137.9	1132.9	1135.8	1129.6	1075.7	994.1
32.5°	1262.4	1264.4	1258.4	1244.1	1229.1	1203.3	1193.4	1195.3	1180.0	1119.1	1025.0
35°	1322.0	1324.6	1322.7	1313.2	1296.9	1274.7	1262.8	1261.7	1242.7	1172.3	1065.7
37.5°	1382.6	1385.1	1383.0	1375.0	1368.5	1344.9	1338.6	1338.6	1305.7	1226.7	1117.6
40°	1445.0	1448.8	1446.3	1435.2	1429.7	1419.0	1403.9	1400.2	1364.6	1291.9	1202.2
42.5°	1503.0	1508.0	1517.9	1511.4	1500.1	1501.6	1471.2	1469.3	1443.3	1388.4	1308.4
45°	1585.3	1592.5	1609.4	1604.4	1602.1	1593.7	1557.5	1555.8	1545.9	1518.1	1440.2
47.5°	1675.0	1685.0	1715.4	1716.4	1741.0	1725.2	1676.0	1670.0	1672.3	1673.5	1601.2
50°	1757.7	1768.6	1818.5	1842.1	1900.3	1903.7	1825.1	1819.7	1828.7	1855.1	1788.7
52.5°	1823.7	1837.5	1899.9	1972.6	2072.3	2100.6	2008.6	2004.6	2011.3	2056.8	2000.7
55°	1872.1	1887.1	1955.0	2087.4	2246.6	2296.6	2219.8	2216.0	2220.2	2278.2	2231.3
57.5°	1883.4	1887.1	1985.6	2164.7	2393.8	2513.8	2478.4	2470.7	2450.1	2500.6	2485.8
60°	1830.4	1845.0	1960.3	2191.9	2507.7	2727.9	2748.6	2739.0	2681.0	2722.4	2710.5
62.5°	1722.9	1748.9	1866.0	2150.6	2552.2	2902.8	3013.6	3002.1	2902.3	2929.0	2872.0
65°	1547.2	1558.3	1681.3	2008.0	2495.6	3014.8	3250.0	3244.2	3118.5	3076.6	2901.9
67.5°	1233.0	1253.8	1358.3	1710.0	2263.9	3001.6	3432.7	3432.1	3259.7	3131.3	2796.0
69°	974.1	995.7	1095.2	1408.6	2003.2	2880.8	3463.3	3470.0	3299.5	3098.0	2644.9
70°	776.6	801.6	869.9	1186.5	1771.9	2721.6	3437.9	3449.9	3291.9	3043.1	2505.4
72.5°	330.5	350.8	399.4	611.6	1079.9	2032.3	3143.4	3188.9	3114.5	2785.1	2070.6
75°	144.3	150.6	172.6	249.3	479.4	1106.1	2462.5	2546.7	2663.0	2354.2	1542.4
77.5°	105.6	108.3	120.4	146.4	215.1	417.8	1583.6	1632.5	1920.5	1713.1	946.1
80°	81.7	83.6	93.0	107.5	140.5	169.0	722.2	764.3	1079.9	879.9	394.0
82.5°	65.1	66.4	72.9	79.2	97.0	102.4	239.8	266.0	398.6	243.0	104.3
85°	60.5	62.0	64.3	57.8	62.2	60.1	103.7	108.5	120.4	95.5	43.6
87.5°	27.4	32.3	63.7	45.0	33.1	26.4	42.5	44.4	49.9	50.1	19.3
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°	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2
2.5°	728.0	727.4	728.3	726.0	728.9	728.7	727.8	728.1	730.1	729.9	730.1
5°	732.4	732.0	733.1	731.4	734.8	736.0	736.2	737.9	740.0	740.6	740.6
7.5°	743.5	743.5	744.0	741.7	744.0	743.8	742.9	744.6	746.7	746.9	746.7
10°	762.6	762.8	761.8	755.9	754.0	748.8	744.0	744.2	746.9	749.0	749.6
12.5°	786.7	785.9	781.7	770.8	762.8	752.3	747.3	747.1	749.8	751.5	752.1
15°	814.3	812.2	801.2	783.5	769.3	759.0	750.9	749.0	747.5	745.6	745.8
17.5°	840.3	835.5	817.3	792.6	777.7	763.9	748.4	736.0	727.4	722.4	720.9
20°	866.7	857.3	831.1	801.2	782.3	757.2	727.4	702.1	686.4	679.2	677.8
22.5°	890.8	875.7	843.9	810.2	778.7	734.7	687.8	651.0	629.2	619.5	620.2
25°	914.3	893.3	857.3	816.6	760.3	694.8	632.7	587.5	562.2	551.3	550.9
27.5°	935.0	911.1	871.9	811.4	726.0	638.2	567.4	523.4	502.3	493.0	491.4
30°	958.7	933.5	891.2	791.7	675.9	572.8	503.7	472.7	457.7	448.4	446.6
32.5°	987.6	963.9	907.1	755.9	611.8	504.4	453.9	432.3	418.7	408.2	406.3
35°	1029.7	1004.1	911.1	704.6	541.4	450.5	417.4	395.2	376.8	363.2	361.9
37.5°	1082.6	1054.4	901.9	638.2	473.1	415.5	386.9	359.6	335.7	316.5	313.5
40°	1158.7	1116.2	876.5	561.7	422.7	388.5	357.3	326.1	296.4	274.0	269.6
42.5°	1250.2	1188.8	837.4	485.5	385.8	361.1	327.8	289.2	260.8	244.9	242.7
45°	1366.5	1264.2	783.3	418.9	349.4	333.7	296.0	260.4	242.8	231.2	229.3
47.5°	1499.3	1348.7	726.4	364.7	318.6	308.1	270.6	247.6	233.7	224.5	222.7
50°	1662.6	1444.2	666.1	320.3	287.6	277.3	258.5	240.5	229.4	222.4	220.6
52.5°	1846.7	1552.0	622.7	285.3	262.0	254.5	252.2	236.7	227.7	222.4	220.6
55°	2044.9	1661.6	575.8	255.9	239.8	241.9	248.0	237.1	231.0	224.5	222.0
57.5°	2243.4	1774.9	523.6	231.0	222.2	232.5	245.1	237.9	232.7	226.4	224.1
60°	2400.3	1846.7	442.6	210.1	208.2	222.2	238.3	232.1	225.4	225.6	225.2
62.5°	2473.6	1842.9	353.3	191.6	194.2	208.2	227.2	223.1	217.6	225.0	225.6
65°	2432.4	1751.0	275.0	174.7	179.3	193.7	215.7	218.7	220.6	235.0	236.9
67.5°	2259.8	1572.3	213.0	160.0	165.7	183.7	216.8	238.3	240.7	255.9	255.7
69°	2081.3	1404.6	185.1	152.3	159.0	186.2	231.7	250.7	241.3	257.4	255.1
70°	1931.6	1272.0	170.1	147.2	156.0	190.6	241.7	250.5	238.4	252.2	248.4
72.5°	1487.7	915.1	144.3	137.6	145.6	182.4	244.6	244.9	231.7	234.4	227.9
75°	1020.4	578.3	125.9	124.6	129.9	164.4	235.4	234.0	214.3	210.5	205.1
77.5°	562.6	293.7	107.0	112.1	115.8	145.6	213.9	212.0	195.8	187.7	185.8
80°	217.0	128.6	90.3	99.7	102.0	126.1	187.5	185.8	172.2	161.9	159.0
82.5°	81.9	67.4	74.6	86.3	85.5	104.1	158.8	157.9	144.7	129.6	125.0
85°	37.9	40.4	59.1	71.2	65.6	77.1	127.1	128.8	112.7	94.7	94.7
87.5°	16.1	22.6	41.9	53.8	44.2	52.1	93.2	89.0	81.7	56.6	53.2
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)