

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: P385689

Luminaire Tested: GAW-SA1B-730-U-SL4

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1B-730-U-SL4
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5281 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

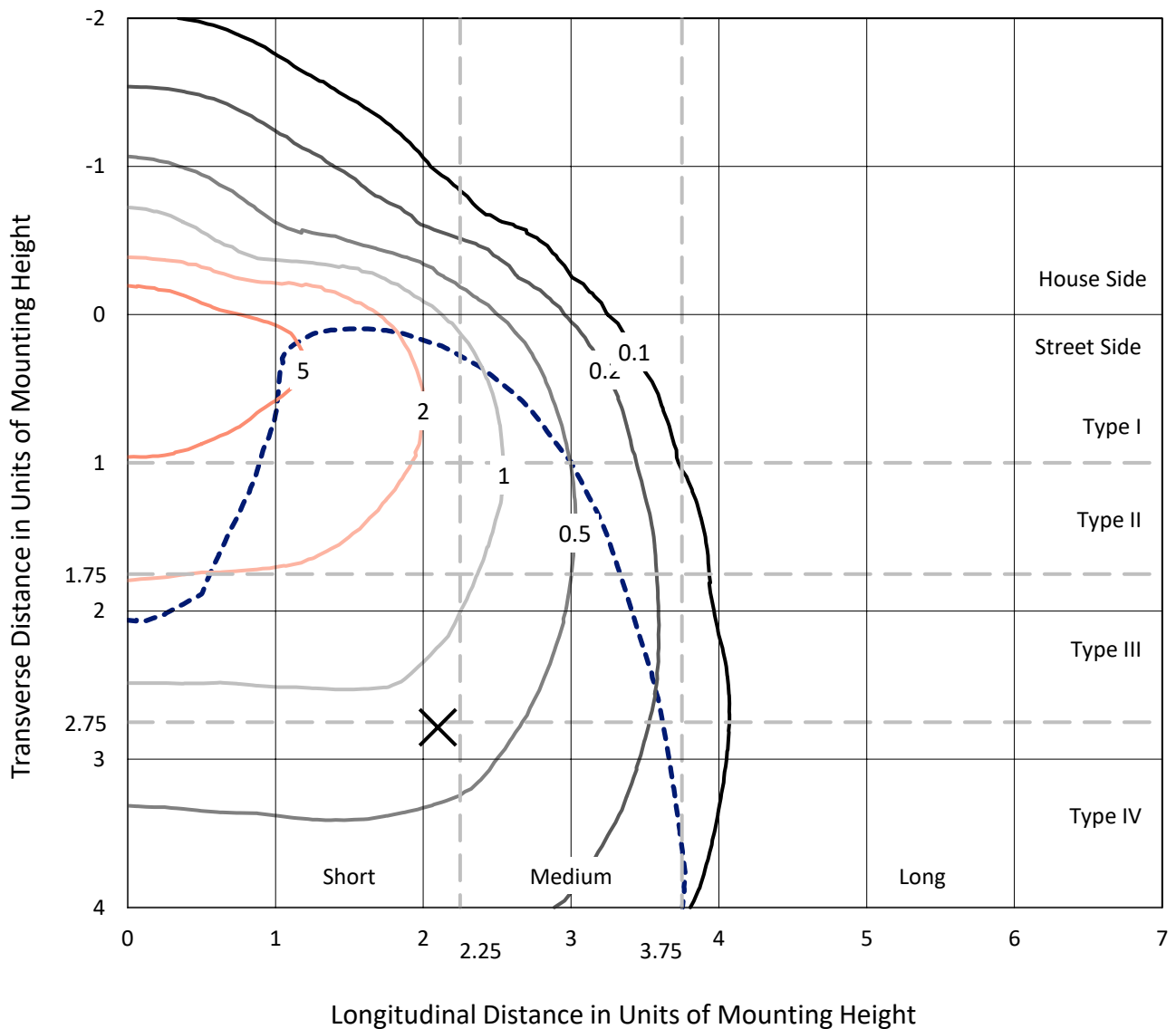
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

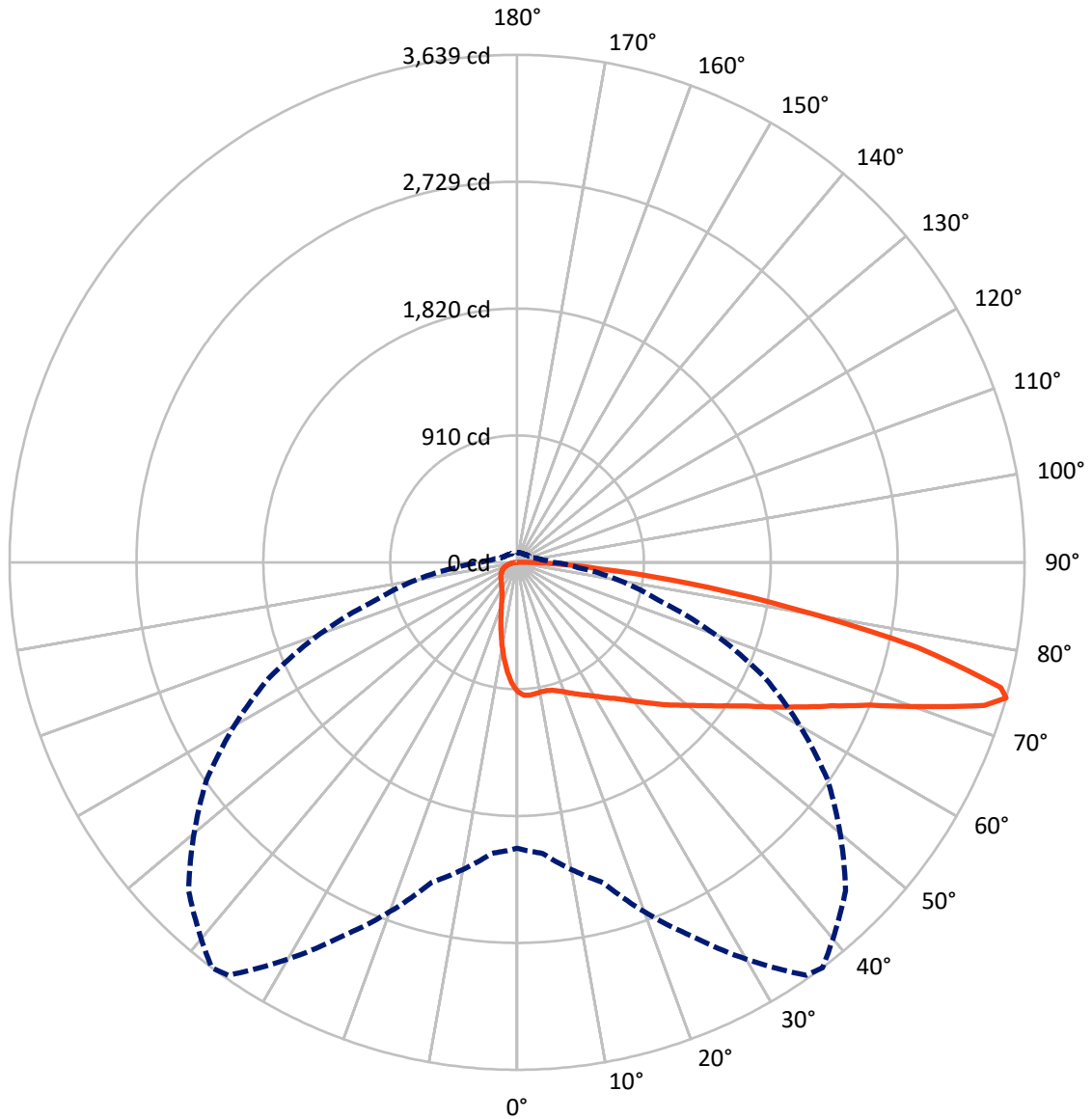
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



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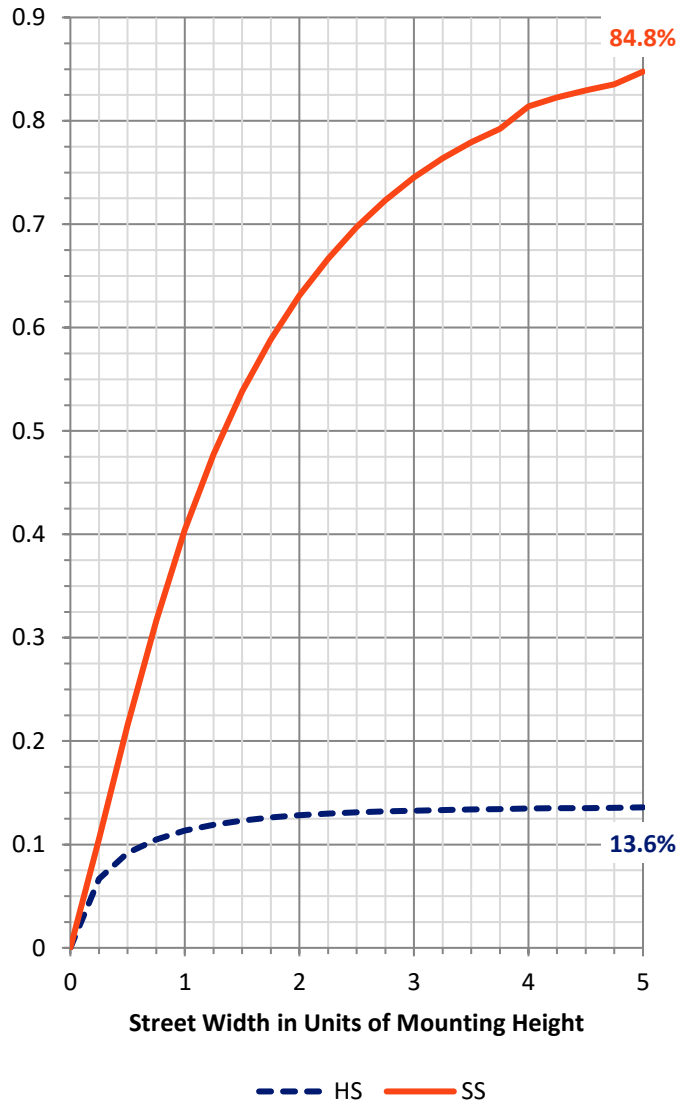
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	726.6	0.0	726.6
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	4554.4	0.0	4554.4
	% Fixture	86.2	0.0	86.2
Total	Lumens	5281.0	0.0	5281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	1.6
10°-20°	210.0	4.0
20°-30°	323.6	6.1
30°-40°	470.6	8.9
40°-50°	692.6	13.1
50°-60°	972.7	18.4
60°-70°	1231.1	23.3
70°-80°	1084.0	20.5
80°-90°	214.3	4.1
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°	5281.0	100.0
0°-180°	5281.0	100.0

Coefficient of Utilization



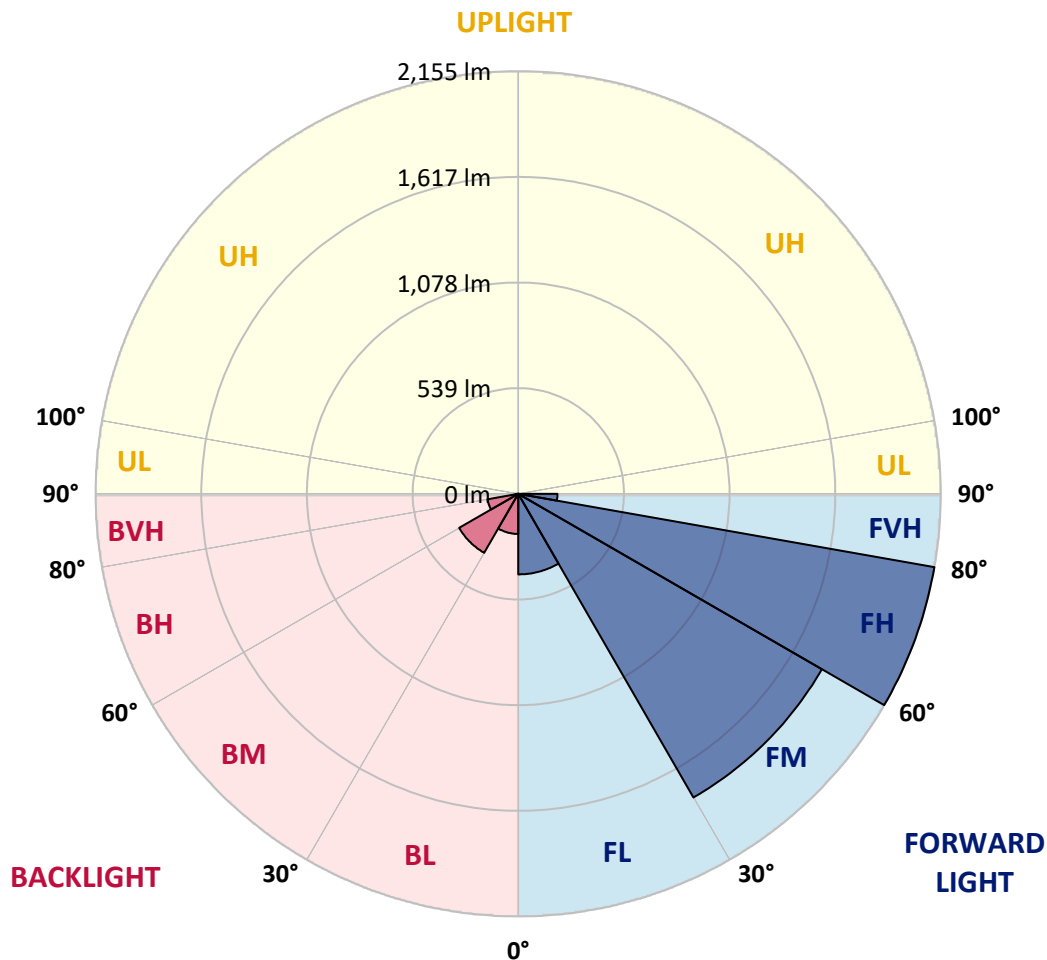
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.9	7.8			
FM (30°-60°)	1788.2	33.9			
FH (60°-80°)	2155.4	40.8			G2/5000
FVH (80°-90°)	199.8	3.8			G2/225
BL (0°-30°)	204.7	3.9	B1/500		
BM (30°-60°)	347.7	6.6	B1/1000		
BH (60°-80°)	159.7	3.0	B1/500		G1/500
BVH (80°-90°)	14.5	0.3			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	962.3	962.5	962.3	960.8	957.3	954.3	951.9	948.4	940.5	934.6	925.7
5°	971.4	970.3	969.6	966.8	961.2	957.8	953.2	946.5	933.7	921.7	907.2
7.5°	967.1	965.8	964.2	960.8	954.5	951.7	945.2	936.4	921.0	905.4	884.5
10°	953.9	953.6	952.8	952.1	946.7	944.4	938.5	929.2	913.9	895.0	870.6
12.5°	939.2	940.2	943.1	947.0	944.6	943.5	939.8	933.5	917.8	897.4	868.0
15°	929.9	932.5	940.5	950.8	952.8	952.4	951.5	947.4	930.9	908.2	873.9
17.5°	926.8	931.0	946.3	963.2	969.2	970.5	970.9	963.8	945.4	921.4	880.1
20°	932.5	937.9	960.3	983.5	993.0	993.7	992.1	979.8	959.1	932.7	883.4
22.5°	950.0	954.9	982.8	1009.0	1019.8	1020.9	1015.9	997.3	973.6	946.1	888.1
25°	983.7	989.6	1017.6	1043.8	1049.4	1049.5	1042.3	1019.2	992.6	964.9	898.1
27.5°	1027.6	1033.5	1058.7	1084.3	1081.4	1079.7	1069.8	1046.8	1017.4	990.8	916.0
30°	1076.5	1083.0	1106.8	1125.1	1118.0	1114.7	1106.7	1076.9	1051.8	1026.1	943.3
32.5°	1127.1	1133.1	1153.9	1166.4	1157.4	1156.0	1143.9	1116.7	1096.6	1080.1	987.6
35°	1179.0	1183.3	1203.8	1210.8	1198.9	1198.6	1195.2	1170.3	1157.6	1165.4	1052.0
37.5°	1232.0	1233.2	1250.6	1251.0	1247.5	1249.0	1252.5	1236.9	1240.4	1264.8	1135.7
40°	1279.3	1282.3	1294.9	1298.8	1305.0	1310.2	1327.8	1317.6	1345.0	1388.1	1239.8
42.5°	1314.3	1320.0	1340.3	1350.3	1370.3	1378.4	1403.4	1412.9	1467.9	1532.7	1363.7
45°	1343.8	1352.8	1385.3	1406.0	1439.6	1454.0	1489.7	1521.5	1606.9	1689.5	1494.1
47.5°	1375.8	1387.2	1427.9	1467.4	1513.1	1529.3	1594.2	1641.8	1755.1	1847.2	1617.1
50°	1422.9	1431.6	1471.4	1533.4	1590.5	1611.3	1701.2	1769.5	1905.8	1997.5	1723.7
52.5°	1488.6	1485.2	1518.9	1605.8	1682.4	1708.1	1815.4	1905.3	2058.5	2133.5	1813.7
55°	1554.6	1549.0	1572.6	1681.5	1789.6	1816.5	1941.2	2041.6	2203.8	2255.9	1882.7
57.5°	1628.1	1617.5	1637.4	1766.9	1911.6	1943.8	2082.0	2186.5	2346.7	2354.9	1926.6
60°	1703.8	1689.5	1711.8	1872.7	2066.5	2104.5	2246.8	2327.9	2481.4	2434.1	1940.8
62.5°	1770.0	1760.0	1794.4	1990.8	2241.2	2282.9	2408.6	2478.2	2614.2	2467.0	1889.8
65°	1827.9	1829.5	1889.1	2123.6	2436.0	2480.4	2594.3	2663.5	2718.7	2447.5	1770.6
67.5°	1896.9	1906.4	2007.9	2298.5	2681.2	2729.9	2864.4	2865.5	2777.2	2332.9	1535.8
70°	1997.5	2017.1	2171.5	2541.1	3029.8	3096.7	3200.5	2984.2	2695.1	2022.3	1208.4
72.5°	2086.8	2123.3	2345.4	2818.6	3454.7	3505.4	3397.2	2915.7	2352.3	1515.5	752.8
74°	2050.5	2095.7	2377.0	2955.4	3614.6	3639.0	3330.8	2715.9	1961.3	1049.5	437.5
75°	1972.4	2021.5	2330.9	2954.1	3594.4	3580.8	3170.4	2487.7	1615.2	715.8	291.1
77.5°	1591.8	1643.7	1964.0	2531.8	2947.2	2934.3	2435.4	1668.8	707.4	234.8	147.9
80°	925.5	965.1	1219.2	1607.8	1987.3	2010.5	1601.7	825.8	278.3	131.9	100.3
82.5°	411.1	438.5	589.0	820.7	1199.3	1229.2	838.8	432.7	171.9	80.2	60.3
85°	269.7	290.0	357.5	390.8	571.1	591.6	410.6	336.9	113.5	44.1	44.3
87.5°	194.0	213.6	265.6	232.0	262.1	248.2	223.4	311.8	45.6	25.1	14.9
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°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	921.7	918.8	912.1	899.4	892.4	886.4	876.5	870.8	868.2	868.0	869.1
5°	898.9	892.0	874.7	853.5	836.5	821.1	801.9	790.4	782.2	777.4	778.7
7.5°	872.3	861.5	834.3	800.5	773.3	743.4	713.8	696.1	682.3	672.1	674.0
10°	854.0	839.2	799.5	750.8	705.6	662.1	621.3	597.0	577.6	562.7	563.8
12.5°	847.9	827.8	772.9	707.8	644.4	584.9	531.7	494.3	474.4	457.4	458.7
15°	848.8	821.9	750.6	669.1	589.3	514.4	449.8	406.1	379.1	367.4	367.6
17.5°	849.6	815.0	727.2	627.6	534.8	448.5	378.4	334.1	308.6	297.8	298.0
20°	847.2	803.8	698.1	580.0	477.9	388.0	320.1	282.6	263.2	254.9	254.9
22.5°	844.0	790.6	665.4	532.2	421.7	335.6	278.5	249.8	238.7	233.1	232.9
25°	845.5	780.7	631.9	483.1	370.0	293.7	250.8	231.8	224.3	220.8	220.6
27.5°	853.5	776.1	601.0	434.2	324.8	262.3	232.2	218.8	213.9	211.7	211.7
30°	868.0	776.1	568.9	392.5	287.2	239.0	217.8	208.7	205.4	203.9	203.9
32.5°	893.3	780.4	537.8	351.2	257.3	220.8	205.9	199.8	197.2	196.4	196.4
35°	936.8	794.9	507.5	312.1	233.1	205.9	194.6	191.0	189.2	189.0	189.6
37.5°	998.0	824.5	479.0	283.3	216.0	193.8	185.1	182.3	181.2	182.1	182.9
40°	1075.0	864.6	453.2	257.3	203.0	184.2	176.4	174.5	173.9	175.2	176.4
42.5°	1168.0	919.0	431.9	238.5	192.9	176.0	168.9	166.7	166.1	167.6	169.1
45°	1268.7	977.4	417.1	224.5	185.1	169.8	162.4	160.0	158.9	159.6	161.3
47.5°	1360.2	1032.6	411.1	214.7	177.7	164.6	156.6	153.7	151.8	151.4	152.7
50°	1437.4	1073.7	413.9	208.7	171.7	158.9	151.1	147.7	144.9	143.2	144.2
52.5°	1493.6	1099.6	416.5	206.1	167.0	152.5	144.9	141.8	138.0	135.2	135.2
55°	1534.3	1105.5	410.7	204.1	163.5	145.7	138.0	135.1	131.3	128.2	127.8
57.5°	1550.3	1088.8	389.3	201.1	161.1	139.1	130.8	128.5	125.4	121.7	121.5
60°	1528.7	1037.1	348.1	194.8	157.9	133.8	123.5	122.0	120.5	117.0	116.8
62.5°	1442.1	923.6	294.7	181.9	151.6	128.0	116.8	117.6	117.8	115.3	115.0
65°	1284.9	767.7	242.6	165.2	142.1	121.1	109.9	113.5	115.5	115.1	114.6
67.5°	1056.4	597.5	205.6	147.5	129.7	111.6	102.5	106.6	108.3	109.6	109.2
70°	784.1	421.3	170.0	128.9	114.6	100.5	92.8	94.9	93.8	95.2	95.8
72.5°	437.2	252.8	138.6	110.3	99.0	87.4	82.0	81.7	79.2	79.2	79.2
74°	262.3	185.5	121.8	98.8	89.5	78.9	74.2	72.5	70.3	70.5	70.3
75°	211.0	159.4	111.8	91.2	82.8	73.9	69.2	67.0	65.3	65.3	65.1
77.5°	133.2	121.1	90.0	72.5	66.2	60.8	57.7	54.7	54.7	54.5	54.3
80°	100.6	96.4	70.1	54.9	50.8	46.7	44.6	43.3	43.3	43.9	43.7
82.5°	69.0	72.5	49.3	38.3	36.3	33.3	32.9	33.1	32.6	31.8	31.6
85°	50.4	54.5	33.3	24.2	22.1	20.3	21.8	22.5	21.6	19.9	19.2
87.5°	19.3	35.7	17.9	10.0	9.3	8.0	9.3	9.7	10.4	8.2	8.4
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)