

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: P386052

Luminaire Tested: GAW-SA1C-830-U-SL4-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-830-U-SL4-HSS
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4872 lumens
Efficiency: N/A
Efficacy: 84.0 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

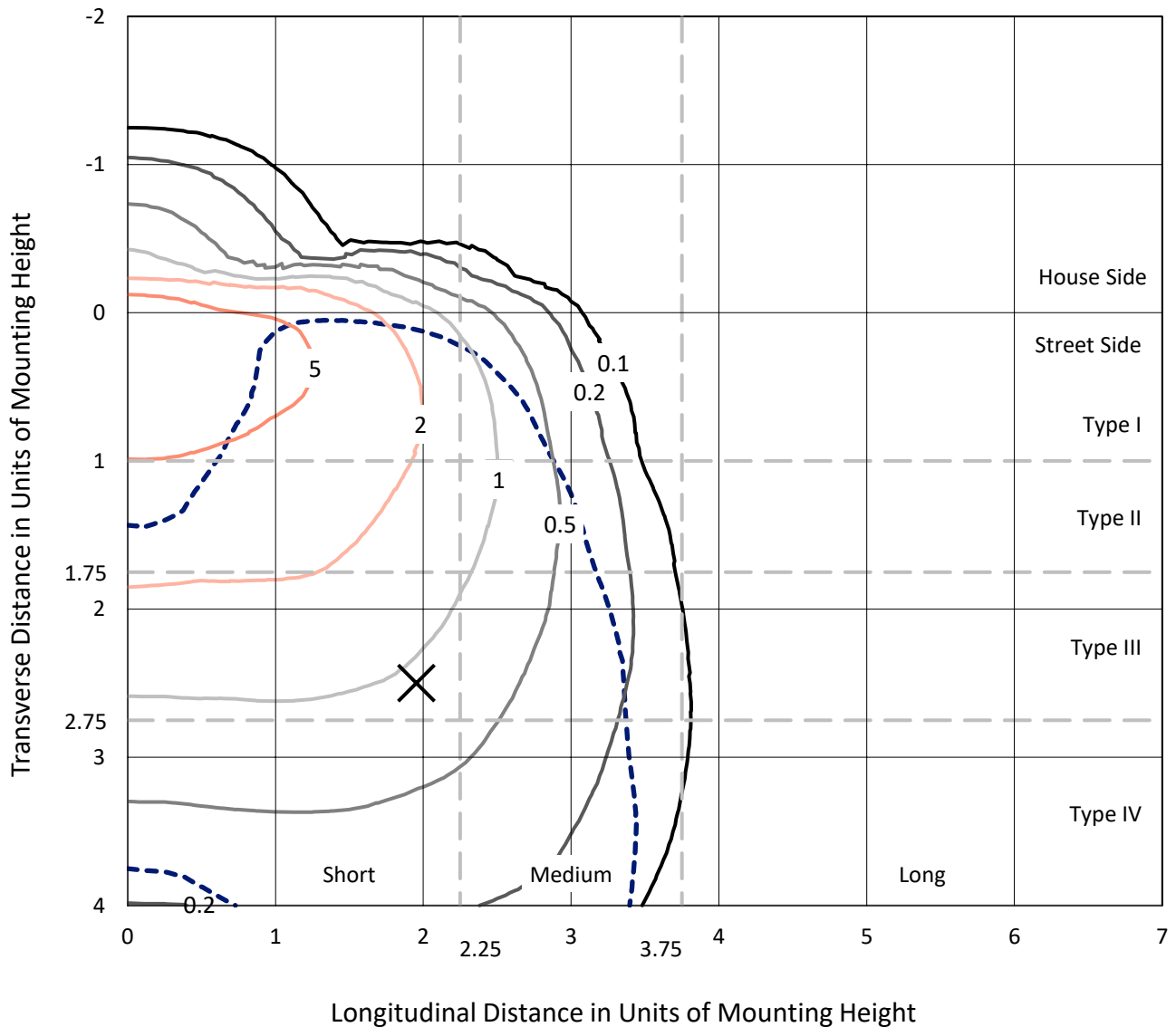
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

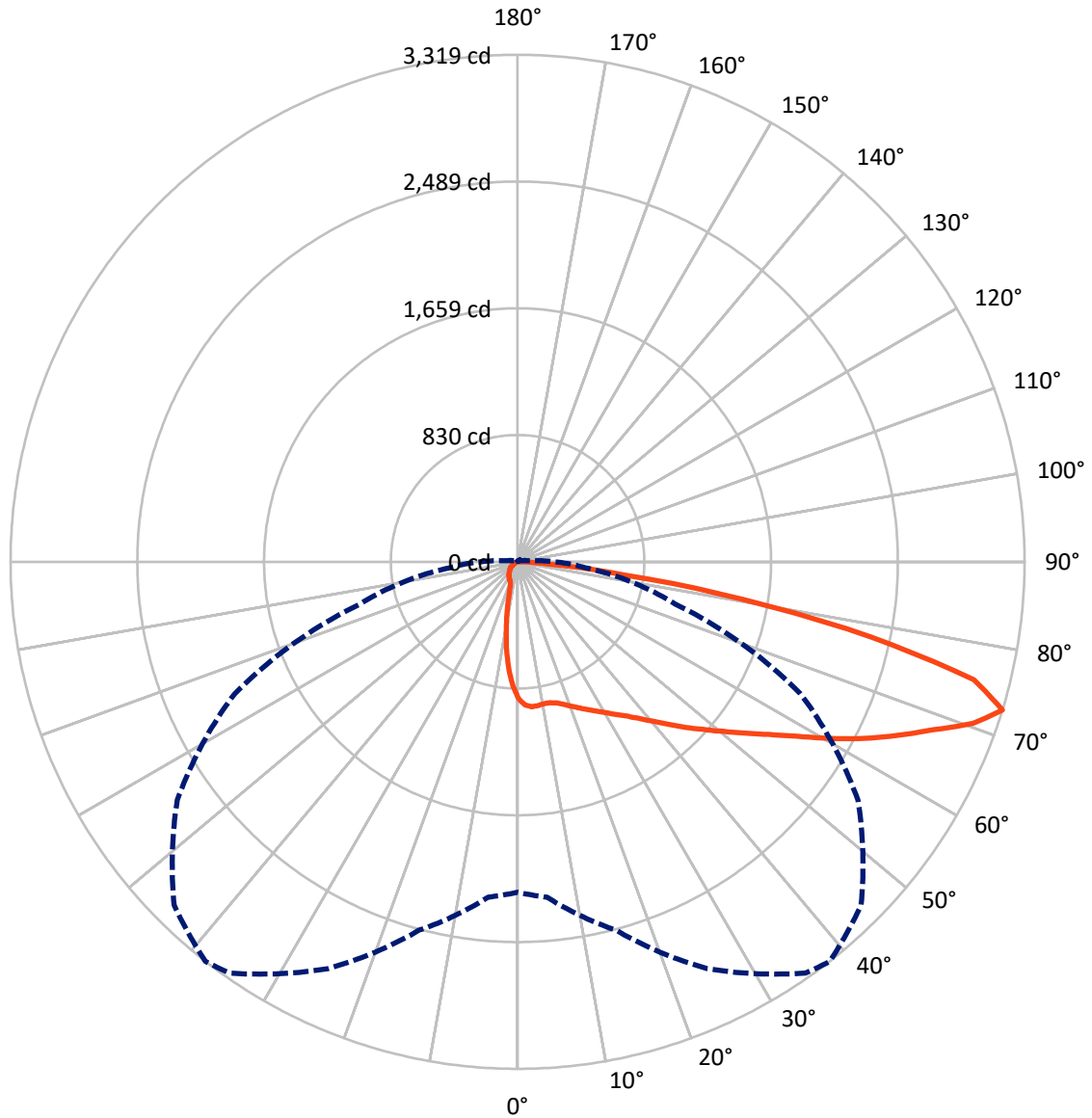
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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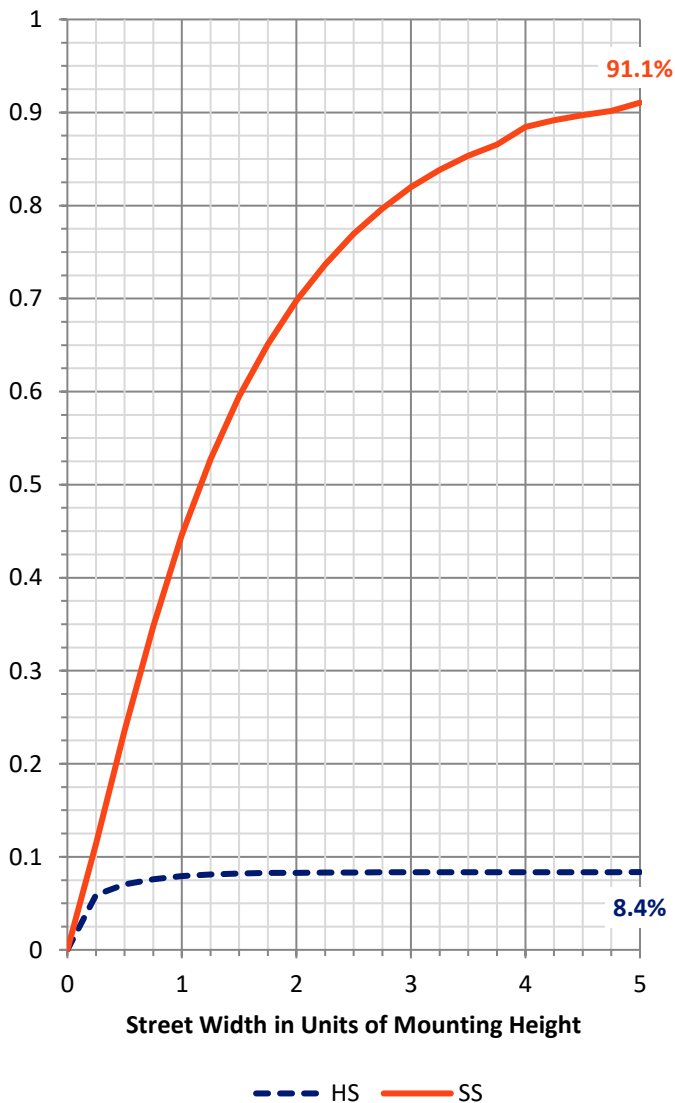
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	410.0	0.0	410.0
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4462.0	0.0	4462.0
	% Fixture	91.6	0.0	91.6
Total	Lumens	4872.0	0.0	4872.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	1.6
10°-20°	186.7	3.8
20°-30°	296.9	6.1
30°-40°	446.4	9.2
40°-50°	681.0	14.0
50°-60°	962.5	19.8
60°-70°	1207.3	24.8
70°-80°	902.7	18.5
80°-90°	111.9	2.3
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°	4872.0	100.0
0°-180°	4872.0	100.0

Coefficient of Utilization

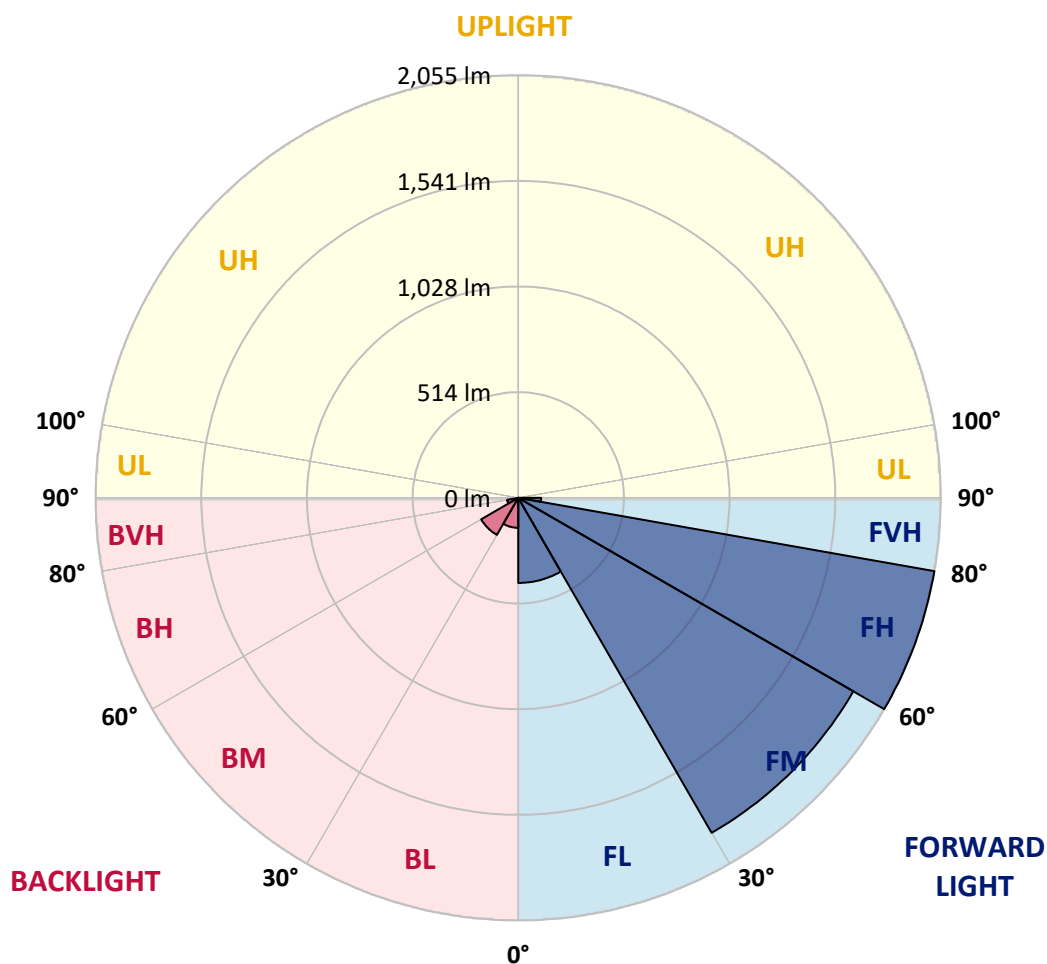


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.0	8.5			
FM (30°-60°)	1881.8	38.6			
FH (60°-80°)	2055.3	42.2			G2/5000
FVH (80°-90°)	110.9	2.3			G2/225
BL (0°-30°)	146.0	3.0	B1/500		
BM (30°-60°)	208.2	4.3	B0/220		
BH (60°-80°)	54.8	1.1	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			G0/10
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°	38°	45°	55°	65°	75°	85°
0°	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9
2.5°	951.0	951.2	949.0	945.3	940.7	938.2	934.2	927.7	920.8	908.5	895.1
5°	970.4	970.4	967.6	962.7	955.2	953.0	945.3	935.0	920.8	900.8	878.3
7.5°	968.4	968.8	964.9	959.9	952.4	950.4	941.1	929.5	911.9	887.6	858.9
10°	957.9	958.9	955.8	953.4	946.5	944.3	935.6	924.1	906.5	880.6	847.6
12.5°	947.1	948.1	949.2	951.4	947.1	946.3	939.4	929.7	912.9	886.0	848.8
15°	940.3	942.3	949.6	958.3	959.3	958.5	954.0	944.9	927.9	900.0	857.5
17.5°	940.3	943.5	958.7	975.3	981.1	981.7	977.9	965.1	944.9	915.0	865.6
20°	948.1	952.6	976.3	999.7	1009.5	1009.5	1002.0	984.2	960.5	928.5	871.1
22.5°	968.4	974.2	1004.0	1031.1	1041.4	1039.2	1029.1	1003.2	976.7	943.9	877.9
25°	1008.2	1012.7	1043.7	1071.0	1077.2	1072.2	1059.4	1026.2	997.3	964.7	890.5
27.5°	1059.6	1060.2	1092.2	1115.3	1111.4	1108.0	1092.0	1055.2	1027.1	994.5	912.1
30°	1116.1	1116.1	1144.2	1161.8	1150.1	1147.2	1131.3	1090.2	1065.1	1034.9	942.9
32.5°	1170.7	1173.1	1196.0	1207.1	1194.0	1191.2	1175.6	1134.5	1115.7	1096.7	990.8
35°	1223.5	1225.3	1247.0	1253.1	1240.5	1241.3	1230.2	1195.4	1188.3	1185.9	1063.1
37.5°	1274.7	1275.1	1297.2	1301.0	1294.7	1301.6	1302.6	1271.9	1285.0	1304.7	1164.8
40°	1321.5	1321.9	1343.7	1353.6	1364.4	1373.3	1381.1	1364.8	1408.3	1453.8	1286.0
42.5°	1358.9	1363.1	1390.9	1409.7	1438.0	1455.0	1476.4	1475.6	1555.0	1623.3	1432.5
45°	1391.9	1399.2	1437.8	1470.8	1519.3	1546.5	1580.0	1606.3	1720.1	1812.1	1580.9
47.5°	1435.4	1442.3	1486.4	1540.4	1605.1	1640.7	1696.4	1753.2	1901.6	1997.5	1725.7
50°	1496.7	1493.6	1537.1	1614.6	1697.8	1744.5	1823.9	1909.0	2081.6	2158.9	1810.9
52.5°	1562.0	1560.8	1593.0	1695.4	1807.1	1861.7	1966.5	2070.1	2253.8	2270.2	1850.0
55°	1643.0	1634.3	1661.4	1787.4	1936.8	1995.4	2118.9	2229.5	2391.0	2332.9	1869.6
57.5°	1727.7	1713.4	1739.3	1890.0	2083.1	2152.5	2287.6	2384.9	2482.3	2375.8	1869.4
60°	1815.4	1798.4	1829.1	2018.3	2264.7	2345.1	2470.5	2489.9	2567.4	2397.5	1855.6
62.5°	1888.6	1878.5	1924.2	2155.5	2467.7	2546.6	2608.7	2585.5	2639.3	2414.3	1823.5
65°	1966.1	1966.7	2040.6	2315.5	2683.4	2736.6	2741.9	2709.3	2699.4	2410.8	1714.6
67.5°	2070.9	2080.6	2203.8	2532.8	2893.2	2934.3	2933.9	2843.4	2743.3	2274.1	1473.2
70°	2181.8	2204.7	2392.0	2781.5	3122.3	3163.9	3142.5	2928.8	2583.0	1838.8	1042.6
72.5°	2163.2	2202.8	2496.6	2938.3	3286.7	3318.5	3179.1	2719.0	2041.6	1068.7	443.9
75°	1668.9	1714.8	2289.2	2782.9	3114.2	3085.6	2731.5	2115.8	1115.7	298.2	100.0
77.5°	881.6	906.1	1512.3	2120.1	2428.2	2368.5	1924.2	1173.8	340.1	73.9	44.9
80°	461.7	467.4	659.0	1202.9	1498.7	1499.1	1140.4	515.6	140.2	37.8	30.1
82.5°	247.3	252.1	348.2	555.8	785.3	711.8	436.6	283.7	81.5	21.4	28.9
85°	59.5	60.5	197.5	253.9	308.8	220.5	129.7	238.1	22.1	12.5	23.5
87.5°	22.9	23.3	73.2	109.9	78.7	51.0	60.7	88.8	2.8	4.9	3.6
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°	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9
2.5°	887.0	881.8	868.8	852.4	837.9	827.4	811.6	801.3	794.4	794.2	791.5
5°	864.6	853.9	825.9	792.8	762.6	735.5	703.5	678.2	659.4	656.4	649.9
7.5°	840.5	822.9	780.0	728.2	677.6	626.2	566.5	529.5	497.7	482.6	481.0
10°	825.7	801.0	740.1	665.3	586.0	502.4	424.3	370.3	331.2	320.1	311.8
12.5°	822.7	790.1	709.4	606.2	492.9	382.4	296.0	238.6	207.4	197.5	194.8
15°	825.7	785.1	683.5	547.7	398.6	271.3	198.7	165.3	153.6	150.7	150.5
17.5°	827.6	779.0	654.2	482.8	307.1	193.8	152.2	142.4	140.6	140.4	140.8
20°	827.4	769.7	619.1	410.3	228.4	152.4	137.6	135.6	135.2	135.4	135.2
22.5°	825.9	758.8	580.7	335.7	172.6	136.2	131.3	130.1	129.9	129.9	129.9
25°	828.6	750.1	538.4	264.3	142.2	128.7	125.7	124.6	124.4	124.4	124.0
27.5°	838.1	745.2	492.1	203.3	128.5	122.0	119.6	119.4	118.8	118.6	119.0
30°	853.5	745.2	441.3	158.2	120.2	115.1	113.3	112.9	112.7	112.5	112.7
32.5°	880.6	750.9	385.9	131.5	112.3	107.4	106.2	106.8	106.2	106.2	106.2
35°	929.5	767.9	327.8	114.7	104.0	100.0	98.7	99.5	99.1	99.1	98.9
37.5°	1001.0	799.4	269.3	104.6	96.7	92.5	90.8	92.1	91.7	91.7	91.5
40°	1088.0	845.4	213.7	96.9	89.6	85.2	83.8	84.4	83.4	83.4	83.8
42.5°	1195.4	903.6	165.1	89.4	82.6	78.3	77.5	76.9	75.1	74.1	74.3
45°	1314.8	964.3	128.7	82.1	75.9	72.4	71.2	69.6	66.6	64.5	64.7
47.5°	1421.4	1011.1	104.6	75.1	69.8	67.2	65.4	62.3	57.9	55.4	55.6
50°	1477.5	1018.2	89.0	68.0	64.1	61.5	58.9	54.2	49.0	46.3	46.1
52.5°	1491.8	985.0	77.5	61.5	58.5	55.4	52.0	45.7	39.9	37.0	36.6
55°	1497.1	934.4	67.2	55.4	52.4	49.0	44.5	37.4	32.0	29.1	28.9
57.5°	1479.7	858.9	59.1	50.0	46.3	42.1	36.6	29.9	24.7	22.5	22.5
60°	1441.0	756.7	52.8	44.1	40.1	35.2	29.5	23.3	18.4	16.6	16.6
62.5°	1363.9	624.4	46.9	38.0	34.2	29.1	23.9	17.6	12.9	11.9	12.1
65°	1218.5	473.7	41.1	32.6	29.1	24.1	18.6	12.5	8.7	8.7	9.1
67.5°	993.7	329.0	35.0	27.7	25.1	19.6	14.2	8.7	6.1	6.9	7.7
70°	657.8	184.5	29.9	22.9	21.4	15.6	10.5	5.9	4.9	6.5	7.9
72.5°	248.3	71.8	25.1	18.4	18.6	11.9	7.5	4.5	4.5	7.1	9.3
75°	69.2	35.2	18.0	13.6	14.6	8.7	5.5	3.8	4.2	8.1	10.9
77.5°	40.7	25.9	11.7	7.9	9.9	6.1	3.6	3.0	3.6	6.9	10.5
80°	32.8	13.8	6.9	4.0	5.5	3.4	2.4	1.8	1.0	2.6	5.5
82.5°	32.8	8.3	3.2	2.8	2.8	1.8	1.2	0.8	0.2	0.0	1.4
85°	22.1	3.4	2.0	1.8	1.4	0.6	0.4	0.2	0.0	0.0	0.0
87.5°	3.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	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)